

Remedial Investigation/ Feasibility Study (RI/FS) Report

SB-18 Area
NYSDEC Site No. 915049

December 2009

0109-001-104

Prepared For:

3773 Lake Shore Road, Inc.

Prepared By:



REMEDIAL INVESTIGATION/ FEASIBILITY STUDY

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NYSDEC SITE NO. 915049
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1.0 INTRODUCTION

This Remedial Investigation and Feasibility Study (RI/FS) report has been prepared for the SB-18 Area within Area C (NYSDEC Site No. 915049), located at 3773 Lake Shore Road in the Town of Hamburg, Erie County, New York (see Figure 1). Benchmark Environmental Engineering & Science, PLLC (Benchmark) implemented RI/FS activities and has prepared this report on behalf of the former property owner, 3773 Lake Shore Road, Inc. RI/FS activities were completed in general accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation/Feasibility Study (RI/FS) & Interim Remedial Measures (IRM) Work Plan dated December 2008 (Ref. 1) and NYSDEC DER-10 guidelines (Ref. 2). Deviations from the Work Plan are identified in Section 2.0. This RI/FS report describes and presents the findings of the March/April 2009 RI field investigation, and evaluates the interim remedial measures conducted as the final remedial alternative for the Site.

1.1 Background

The SB-18 Area is located at 3773 Lakeshore Road, between an existing warehouse building referred to as “Plant 1” and Hoover Road, in a light industrial area of the Town of Hamburg, New York (see Figure 2). The former property owner, 3773 Lake Shore Road, Inc., entered into an Order on Consent (Index # B9-0750-07-06) with the NYSDEC in October 2008, to investigate and remediate an approximate 40’ by 25’ area within a 3-acre area referred to as Area C property (Erie County Tax Map #159.11-1-8.1).

1.2 Previous Investigations

A November 2006 Phase II report prepared by Hazard Evaluations, Inc. (HEI) (Ref. 3) reported that during the course of a Phase II investigation on the subject property a soil boring identified as SB-18 (see Figure 2) was found to contain toluene and 1,1,1-trichloroethane above Technical Assistance and Guidance Memorandum (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs). The HEI report also indicated the presence of bedding sands potentially associated with an underground storage tank (UST) near soil boring SB-18.

As the areal extent of the soil/fill impacts had not been determined through HEI's work, Benchmark prepared an Area C Site Investigation Work Plan (Ref. 4) on behalf of the former property owner to better determine the quantity of soil/fill potentially requiring remediation and to characterize groundwater at existing downgradient monitoring well GW-1 installed in the upper weathered bedrock. The results of the site investigation indicated no detectable volatile organic compounds (VOCs) in downgradient well GW-1. The soil/fill investigation involved the installation of 12 direct-push test borings in the area surrounding boring SB-18 on February 29, 2008. The advancement of borings continued outward based on visual/olfactory observations and PID screening until the approximate area of impact was delineated. Based on PID readings above 5 ppm, four representative soil/fill samples were collected for analysis. Elevated PID readings began at two feet below ground surface (fbgs) and continued to approximately 11 fbgs. The extent of the soil/fill impact was identified as a cone-shaped area encompassing SB-18, with an areal extent of approximately 40 feet long by 25 wide, beginning at approximately 2 fbgs and extending to bedrock at a depth of approximately 14.5 fbgs. Appendix A contains a copy of these previous reports.

1.3 RI Report Outline

This report contains the following 10 sections:

- Section 1.0 provides the Site background and summarizes previous environmental investigations.
- Section 2.0 presents the investigation approach, including deviations from the RI/FS & IRM Work Plan.
- Section 3.0 describes the Site physical characteristics of the Site and surrounding land use as they pertain to the investigation findings.
- Section 4.0 presents the investigation results by media.
- Section 5.0 describes the fate and transport of Site contaminants.
- Section 6.0 presents the qualitative risk assessment based on the RI data.
- Section 7.0 summarizes the overall findings of the RI.
- Section 8.0 summarizes the Interim Remedial Measures conducted at the Site.
- Section 9.0 presents the Remedial Alternatives Evaluation for the Site.
- Section 10.0 provides a list of references cited in this report.

2.0 INVESTIGATION APPROACH

RI field activities were completed during the period of March 18 through June 2, 2009 in general accordance with the NYSDEC-approved RI/FS & IRM Work Plan (Ref. 1). Investigation activities, including any deviations from the Work Plan, are described below.

2.1 Groundwater Investigation

On March 18, 2009, two on-site groundwater monitoring wells (MW-C1 and MW-C2) and one upgradient groundwater monitoring well (MW-C3) were installed at the locations shown on Figure 2. The new monitoring wells were installed to provide downgradient groundwater quality information to determine if leaching of soil/fill constituents from the SB-18 Area has impacted groundwater quality. Monitoring well installation, well development, and groundwater sample collection are discussed in the following sections. Monitoring well completion details are presented in Appendix B.

2.1.1 Well Drilling

The borings for MW-C1 through MW-C3 were advanced through unconsolidated overburden soil/fill material using 4¼-inch hollow stem augers to competent bedrock (i.e., auger refusal). Upon auger refusal, the augers were seated into the bedrock and temporarily left in place during rock coring activities to prevent sloughing of the overburden soils. Once the augers or casing were set, a double-tube, swivel-type core barrel was used to obtain an NX core sample of the upper 10 feet of competent bedrock. Rock coring continued until the first saturated zone (i.e., fractured zone) was encountered. Each bedrock borehole was advanced a minimum of 10 feet into the bedrock groundwater zone to accommodate well installation, to depths of 23.5 to 24.5 feet below ground surface (fbgs). Following coring activities, a 3⅞-inch tri-cone roller bit was used to ream the borehole to facilitate well installation. Water return was monitored during bedrock drilling; no zones of significant water loss to the formation were noted.

Continuous 2-inch diameter, 2-foot long split-spoon samples were collected at 2-foot intervals and described on stratigraphic field borehole logs by a qualified geologist. The fill material was described as reddish brown and black, moist, some fine sand, very dense, with slag pieces, brick, and cinders. The underlying native soil was described as dark grey, moist, silty clay with some fine sand. The bedrock was described as black shale, laminated,

moderately fractured with a petroliferous odor when fresh fracturing occurred. Each 2-foot split-spoon soil sample was scanned for total volatile organic vapors with a calibrated Photovac 2020 PID equipped with a 10.6 eV lamp. There were no organic vapors detected above background levels (i.e., 0.0 parts per million); however, petroliferous odors were noted when fresh fracturing of the shale bedrock occurred. Soil descriptions, PID scan results, and field observations recorded during boring advancement are presented on the Field Borehole/Monitoring Well Installation Logs in Appendix B. Soil cuttings were hand-carted to a location on the south side of Hoover Road near the SB-18 Area and covered with poly sheeting for disposal at the time of IRM soil/fill removal.

2.1.2 Monitoring Well Installation

All monitoring wells were constructed of 2-inch I.D. flush-joint Schedule 40 PVC screen (0.010-inch slot size) and risers. The monitoring wells were screened 10 feet into the bedrock groundwater zone; 14 to 24 fbgs for MW-C1 and MW-C2, and 13 to 23 fbgs for MW-C3. Each well screen and riser was set at the bottom of the borehole and a sand pack was placed in the borehole annulus to approximately 1 foot above the top of the well screen. A bentonite seal of 2 to 3-feet in thickness was installed immediately above the sand layer at least six inches into the bedrock. The remainder of the borehole annulus was filled with medium bentonite chips hydrated in place to approximately 1 fbgs. The top of each well riser was cut approximately 2-inches below grade and fitted with a locking J-plug. Each well is protected by a flush-mount road box with a bolted cover anchored in a concrete surface pad.

2.1.3 Well Development

The new monitoring wells were developed following installation. As stated in the RI/FS & IRM Work Plan, no wells were developed within 24 hours of installation. Field parameters were measured periodically during well development (see Groundwater Field Forms in Appendix B). Prior to sample collection, static water levels were measured and recorded for all monitoring wells. Due to slow recovery, the three new monitoring wells were purged and sampled using a bottom-discharging bailer. The water quality measurements at the time of purging and sampling are presented on the Groundwater Field

Forms in Appendix B. Deviations to the well development procedure presented in the RI/FS & IRM Work Plan are discussed in Section 2.3 of this RI/FS Report.

Water removed during well development was discharged through activated carbon to ground surface a minimum of 50 feet away from each monitoring well.

2.1.4 Groundwater Sample Collection and Analysis

Because the new wells exhibited slow recovery, samples were collected via disposable polyethylene bailer in lieu of low flow procedures as verbally approved by the NYSDEC. Existing well GW-1 was purged and sampled following low-flow/minimal drawdown purge and sample collection procedures. Sampling was initiated on April 6, 2009, and involved collection of samples for Target Compound List (TCL) organic compounds (volatiles, semi-volatiles, pesticides/PCBs, and herbicides) and Target Analyte List (TAL) inorganic compounds (metals) from each of the newly installed wells and existing well GW-1. However, with the exception of GW-1, low recovery rates did not allow complete filling of the voluminous bottle sets required for full TCL/TAL analysis. Accordingly, samples were collected on several occasions between April 6 and June 2, 2009 to provide the required volume for laboratory testing, with each event capturing the volume necessary for one or more category of analytes.

Groundwater samples were analyzed for TCL organic compounds (VOCs via Method 8260B, SVOCs via Method 8270C, pesticides via Method 8081, PCBs via Method 8082, and herbicides via Method 8151) and TAL metals (via Methods 6010/7471) with an equivalent NYSDEC Category B deliverables package to allow for independent third-party data usability assessment.

2.1.5 Groundwater Flow Direction

As summarized in Table 1, water levels were measured in all three newly installed wells and existing monitoring well GW-1 on July 8, 2009. Figure 3 presents the groundwater isopotential map for the July 2009 sampling event.

2.2 Soil Investigation

As discussed in Section 1.2, the February 2008 investigation of the soil/fill in the vicinity of soil boring SB-18 identified cone-shaped area of impact with an areal extent of

approximately 40 feet long by 25 wide, beginning at approximately 2 fbg and extending, at its deepest point, to bedrock at a depth of approximately 14.5 fbg.

As described in Section 2.1.1, the soil borings for MW-C1 through MW-C3 were advanced through unconsolidated overburden soil/fill material using 4¼-inch hollow stem augers to competent bedrock, with continuous split-spoon samples collected from the overburden at 2-foot intervals. Based on the absence of field evidence of impact, a representative composite sample of the overburden soil/fill was collected from each of the three well borings per the RI/FS & IRM Work Plan. The three well boring samples, deemed S-1 through S-3, were analyzed for the full suite of TCL organic compounds and TAL metals as per the groundwater samples.

2.3 Deviations from RI/FS & IRM Work Plan

Certain deviations from the RI/FS & IRM Work Plan were made to accommodate changed field conditions or unanticipated circumstances, or as otherwise agreed to by the NYSDEC. Representatives from the NYSDEC were present and consulted throughout RI field activities and were apprised of and agreed to all significant changes in the RI work. Deviations from the RI/FS & IRM Work Plan are listed below:

- **Well Development and Sampling Procedure:** The newly constructed wells were developed to remove approximately 2 well volumes. Although the RI/FS & IRM Work Plan specified removal of a minimum of 10 well volumes during development, the wells exhibited extremely slow recharge with only 2 well volumes recovered on March 23, 2009 before the wells went dry.
- **Sample Collection:** Per the RI/FS & IRM Work Plan, groundwater samples from all wells were to be collected immediately following well development. However, with the exception of GW-1, low recovery rates did not allow complete filling of the voluminous bottle sets required for full TCL/TAL analysis. Accordingly, samples were collected on five separate occasions between April 6 and June 2, 2009 to provide the required volume for laboratory testing, with each event capturing the volume necessary for one or more category of analytes. Samples were collected from GW-1 at the same time as the new wells for consistency.

3.0 SITE PHYSICAL CHARACTERISTICS

The physical characteristics of the Site observed during the remedial investigation are described in the following sections.

3.1 Site Topography and Drainage

The Site is generally flat and adjacent to a light industrial/warehouse building. The surface is predominately covered with asphalt. Precipitation (i.e., rain or melting snow) generally moves toward storm drains in the roadways via overland flow. Surface and shallow groundwater flow are likely impacted by various cycles of development and filling, as well as utility lines and foundations.

3.2 Geology and Hydrogeology

3.2.1 Overburden

The U.S. Department of Agriculture Soil Conservation Service soil survey map of Erie County (Ref. 5) describes the general soil type at the Site as Brockport silty-clay loam, indicating level to gently sloping land.

3.2.2 Bedrock

The Site is located in the Erie-Ontario Lake Plain Physiographic Province of Western New York. The geology of the Erie-Niagara Basin is described as consisting of unconsolidated deposits (predominantly of glacial origin) overlying Silurian- and Devonian-age sedimentary bedded or layered bedrock. The naturally occurring unconsolidated deposits in the area generally consist of the following three types: alluvial silt, sand, and gravel deposited during comparatively recent geologic time; lacustrine sediments composed primarily of silt, sand, and clay; and glacial till, a heterogeneous mixture of particles (i.e., clay, silt, sand, gravel, and cobbles). Relief in the area is generally flat and the result of pre-glacial erosion of bedrock and subsequent topographic modification by glaciation.

The bedrock formations in the region dip to the south at approximately 30 to 40 feet per mile and exhibit only very gentle folding. In the Erie-Niagara Basin, the major areas of groundwater are within glacial sand and gravel deposits and limestone and shale bedrock. The main sources of groundwater within the bedrock are fractures and solution cavities (Ref.

6). As evidenced in rock core samples retrieved during monitoring well installation, petroliferous Levanna shale of the Skaneateles formation was identified in wells MW-C1 through MW-C3.

The Skaneateles formation contains black shale (Levanna) facies that resembles the Marcellus Shale, also of the Hamilton Group. This organic-rich, black shale emits a distinct petroleum odor when broken. Organic matter deposited with the shale was compressed and heated deep within the Earth over geologic time, forming hydrocarbons, including natural gas. The gas occurs in fractures, in the pore spaces between individual mineral grains, and is chemically adsorbed onto organic matter within the shale (Soeder, 1988).

3.2.3 Hydrogeology

Groundwater within the bedrock varies in depth from 7.24 (MW-C3) to 21.8 fbs (MW-C1) as indicated by depth to water measurements recorded on July 8, 2009. Bedrock groundwater at the Site generally flows west-northwest toward Lake Erie (see Figure 3).

3.3 Climate

Western New York has a cold continental climate, with moisture from Lake Erie causing increased precipitation. Average annual precipitation is reportedly 40.5 inches and snowfall is 93.6 inches (Ref. 7) to the northern part of the watershed with over 150 inches per year falling on the southern portion of the watershed. Average monthly temperatures range from 24.5 degrees Fahrenheit in January to 70.8 degrees Fahrenheit in July (Ref. 7). The ground and lakes typically remain frozen from December to March. Winds are generally from the southwest (240 degrees) with a mean velocity of 10 miles per hour (Ref. 8).

3.4 Population and Land Use

The Site is located within the Town of Hamburg, New York. The Town of Hamburg encompasses 41.31 square miles and has a population of approximately 55,900 persons (Ref. 9). Hamburg is primarily zoned residential with commercial and industrial use along major roads. The Site is located in Census Tract 130.01, and is zoned light industrial.

The properties surrounding the Site are mixed use, comprising primarily commercial, industrial, and vacant parcels.

3.5 Utilities and Groundwater Use

The subject property has access to major public and private utilities, including water, sanitary and storm sewers, electric, and natural gas. Currently, there are no deed restrictions on the use of groundwater at the Site; however, there are no groundwater supply wells on the property. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Municipal potable water service is provided on-site and off-site.

3.6 Wetlands and Floodplains

The Erie County Internet Mapping System (Ref. 10) shows that State or Federal wetlands do not exist on the subject property. Federal wetlands are present approximately 0.55 miles southeast and 0.65 miles southwest of the Site. The Erie County Internet Mapping System indicates that the 100-year floodplain for Lake Erie is located approximately 0.07 miles north and 0.13 miles west of the Site.

4.0 INVESTIGATION RESULTS

The following sections discuss the results of the Remedial Investigation. Table 2 summarizes the groundwater analytical results. Table 3 summarizes the soil analytical results. Appendix C includes the laboratory analytical summary packages. The full analytical report is not included due to the large volume of the document but will be provided to the NYSDEC in electronic format. Figure 2 shows the location of the groundwater monitoring wells.

4.1 Groundwater

Groundwater samples were collected from the one existing and three new monitoring wells during the spring 2009 RI investigation. Table 2 presents a summary of the detected constituents. For purposes of comparison, Class “GA” groundwater quality standards and guidance values (GWQS/GV) as published in NYSDEC Technical Guidance and Operating Series (TOGS) 1.1.1 are also presented. Instances where the reported concentration exceeds the GWQS/GV are highlighted. A discussion of the results is presented below.

4.1.1 Volatile Organic Compounds

As indicated on Table 2, no chlorinated VOCs were detected at any of the monitoring well locations with the exception of chloroform (a common byproduct of chlorine disinfection), which was present at a trace level slightly exceeding the groundwater quality standard at MW-C1. Only two aromatic compounds, toluene and total xylenes, were reported at concentrations slightly above the standards at MW-C1 and MW-C2; no other exceedances of the GWQS/GV were reported.

4.1.2 Semi-Volatile Organic Compounds

No SVOCs were reported above the GWQS/GV with the exception of trace (estimated) concentrations of certain polycyclic aromatic hydrocarbons (PAHs), including: benzo(a)anthracene (MW-C1 through MW-C3); benzo(a)pyrene (MW-C1 and MW-C3); benzo(b)fluoranthene (MW-C1 and MW-C2); benzo(k)fluoranthene (MW-C1); and chrysene (MW-C1 and MW-C2).

4.1.3 Metals

As presented on Table 2, instances where metals were identified above the GWQS/GV were primarily limited to naturally occurring minerals (e.g., iron, magnesium, sodium). Only three RCRA-regulated metals (arsenic, chromium, and lead) were detected above the GWQS/GV at one location (MW-C1). However, in each of these instances the concentrations were within an order of magnitude of the GWQS/GV.

4.1.4 Pesticides/Herbicides/PCBs

No PCBs or herbicides were detected at any of the monitoring well locations. Only one pesticide, heptachlor epoxide, was detected slightly above the GWQS/GV at MW-C1.

4.1.5 Field Parameters

As indicated on Table 2, the pH of the groundwater was in the range of 6.05 to 7.94 S.U. (i.e., neutral). Other field parameters were within typical ranges for overburden groundwater in the Western New York area.

4.1.6 Summary

The trace levels of toluene, xylene, and PAHs detected in the newly installed monitoring wells are likely naturally occurring due to the presence of petroliferous shale bedrock beneath the Site. As discussed with the NYSDEC at the time of drilling and evidenced in rock core samples retrieved from the wells, petroliferous Levanna shale of the Skaneateles formation was identified in wells MW-C1 through MW-C3 and is common in Western New York. Although petroleum compounds were not detected in GW-1, this location was associated with significantly greater production rates than MW-C1 through MW-C3, suggesting that it may be partly screened in perched overburden groundwater or in a sand lens and, as such, provides for greater dilution of petroliferous compounds. (Benchmark does not have boring log information for GW-1, which was installed in support of historic investigation of 3773 Lake Shore Road.) The concentrations of these compounds detected in upgradient well MW-C3 were also lower than the downgradient wells possibly due to dilution from infiltrating precipitation since this area of the Site is covered by vegetation as opposed to hardscape (i.e., concrete, asphalt), which is prevalent at MW-C1 and MW-C2. This is further evidenced by the boring log for MW-C3, which indicates wet

areas in the overburden soil above the bedrock interface. This was not observed at MW-C1 or MW-C2, suggesting greater contribution from overburden infiltration at MW-C3.

Similar to the VOCs and SVOCs, the remaining organic and inorganic data suggest no source of groundwater impact from the SB-18 area. With the exception of certain naturally occurring minerals, all exceedances were within an order of magnitude of the GWQS/GV. Groundwater results indicate no impact by SB-18 area soil/fill. No chlorinated solvents (e.g., 1,1,1-trichloroethane historically found in soil boring SB-18) were present in downgradient wells MW-C1 or MW-C2, indicating that leaching of contaminants to the groundwater table is not a significant transport pathway. In addition, the absence of chlorinated organics in Site groundwater mitigates concerns regarding the potential for soil vapor intrusion. Vapor intrusion is discussed in greater detail in Section 6.0, Qualitative Risk Assessment.

4.2 Soil/Fill

Impacted soil/fill was not observed in any of the soil boring samples. None of the headspace measurements exceeded 0.0 ppm. A petroliferous odor was noted during bedrock drilling at all three locations. As evidenced in rock core samples retrieved from the wells, petroliferous Levanna shale of the Skaneateles formation was identified in wells MW-C1 through MW-C3, common in Western New York.

Table 3 presents a comparison of the detected soil/fill parameters to two comparative criteria: Soil Cleanup Objectives (SCOs) for Residential Use applications; and SCOs for commercial use applications per 6NYCRR Part 375-6 (December 2006). Sample results are described below according to contaminant class.

4.2.1 Volatile Organic Compounds

VOCs were generally reported as non-detectable or at trace (estimated) concentrations below the sample quantitation limit. All VOC results were well below the corresponding SCOs.

4.2.2 Semi-Volatile Organic Compounds

SVOCs were generally reported as non-detectable or at trace (estimated) concentrations below the sample quantitation limit. All detected constituents were present

well below the corresponding SCOs. The sample results are qualified as the samples were extracted past the holding time (H8) and dilution was required due to sample matrix effects (D02).

4.2.3 Metals

Chromium was the only metal detected at a concentration slightly above its residential SCO (36 ppm), but below its restricted-commercial SCO (1500 ppm), in boring samples S-3 (38 ppm) and the blind duplicate of S-1 (134 ppm); both sample results were qualified as estimated.

4.2.4 Pesticides

No pesticides were detected at any of the soil boring sample locations.

4.2.5 PCBs

PCB Aroclors were not detected in soil boring samples S-1 or S-2. A trace level of Aroclor 1254 was detected in S-3 but at a concentration well below the residential SCO.

4.2.6 Summary

No analytes were detected above restricted-commercial SCOs. Chromium was the only analyte detected at a concentration slightly above its residential SCO; all other results were well below residential SCOs.

4.3 Data Usability Summary

In accordance with the RI/FS & IRM Work Plan (Ref. 1), the laboratory analytical data from this investigation was independently assessed 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 RI soil 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/CRI/CRA Standards
- ICP Interference Check Standards
- ICP Serial Dilution Correlations
- Sample Results Verification

The Data Usability Summary Reports (DUSRs) were conducted using guidance from the USEPA Region 2 validation Standard Operating Procedures, the USEPA National Functional Guidelines for Data Review, as well as professional judgment. Appendix D includes the DUSR, which were prepared in accordance with Appendix 2B of NYSDEC's draft DER-10 guidance (Ref. 2). A summary of relevant findings is presented below

4.3.1 Groundwater DUSR

None of the SB-18 Area constituents of concern (i.e., volatile organic compounds) required further qualification; therefore, all groundwater VOC results remained unedited from the original laboratory report. Due to an apparent matrix effect, detected pesticide results in MW-C1 and MW-C2 were qualified as estimated (i.e., tentative in identification and/or estimated in value). Correspondingly, results for pesticides in samples MW-C1 and MW-C2 that were originally reported as not-detected were qualified as rejected per the data review guidance. Surrogate recoveries for SVOCs in MW-C1 and MW-C2 were low and, as such, SVOC results for these samples were qualified as estimated in value. The detections of iron in GW-1 and the blind duplicate are considered potential external contamination and were edited to reflect non-detection at elevated reporting limits.

4.3.2 Soil/Fill DUSR

Similar to groundwater, none of the SB-18 Area soil constituents of concern (i.e., volatile organic compounds) required further qualification; accordingly, all soil VOC results remained unedited from the original laboratory report. Analyses for the SVOCs, pesticides,

and PCBs from the soil borings were extracted at 33-35 days from collection, beyond the allowable 14 days¹. Therefore, results for SVOC, pesticide and PCB analytes that reported no detections were qualified as rejected due to outlying holding time to extraction. Detected SVOCs quantitative values were qualified as having potential low bias. Detected results for bis(2-ethylhexyl)phthalate are edited to reflect non-detection due to presence in the associated method blank.

¹ At the time the data were reported it was discovered that only TCL VOCs had been analyzed. It was agreed with the Department that the laboratory would be instructed to analyze other TCL organic analytes from the remaining sample volume.

5.0 CHEMICAL MIGRATION ASSESSMENT

The analytical results were incorporated with the physical characterization of the Site to evaluate the fate and transport of contaminants in Site media. The mechanisms by which these Site contaminants can migrate to other areas or media are discussed below. In all instances, the potential pathways are evaluated in the context of post-IRM conditions.

- **Fugitive Dust Generation.** Volatile and non-volatile chemicals present in soil/fill can be released to ambient air as a result of fugitive dust generation. However, the area of impact (SB-18) is covered by asphalt, preventing the suspension of surface soil particles. In addition, the top 2 feet of soil/fill was assessed as non-impacted, and soil/fill has been remediated to residential use SCOs. Therefore, fugitive dust is not a relevant migration pathway.
- **Volatilization.** Volatile chemicals present in soil and groundwater in certain locations may be released to ambient air through volatilization either from or through the soil or fill. No volatile organic compounds were detected in the soil borings or in the SB-18 Area following IRM activities (see Section 8.0) above 6NYCRR Part 375 restricted use SCOs. Therefore, the release of VOCs from soils is not considered a relevant migration pathway. Downgradient groundwater data (MW-C1 and MW-C2) indicate toluene and xylene at concentrations slightly above GWQS/GV. Although toluene and xylene are aerobically degraded and are not specifically targeted by New York State Department of Health guidance concerning indoor vapor intrusion, the groundwater-to-air pathway is considered potentially relevant.
- **Surface Water Runoff.** This pathway would involve erosion and transport of surface soils and associated sorbed chemicals in surface water runoff. The potential for soil particle transport with surface water runoff is low, as the Site is mostly flat lying and is completely covered by asphalt and concrete. Uncontrolled off-site transport is further limited because the Site is well outside the 100-year floodplain of Lake Erie; the Lake Erie shoreline is approximately 0.13 miles northwest of the Site. Therefore, surface water runoff is not a relevant pathway.
- **Groundwater Transport.** Groundwater underlying the Site migrates to the west-northwest toward Lake Erie. Chemicals present in groundwater may be transported from the Site via this pathway. As described in Section 4.1.1, no 1,1,1-TCA was detected in bedrock groundwater; only petroliferous compounds associated with Levanna shale and chloroform were detected at low concentrations and the bedrock formation is extremely tight. In addition, the Site and surrounding area are serviced by a municipal (supplied) water service, with no potable wells downgradient of the subject property that would exacerbate

groundwater migration. Thus, transport off-site via groundwater migration is not a relevant pathway.

- **Leaching.** Migration of chemicals present in soil downward to groundwater as a result of infiltration of precipitation is limited due to the source area removal that occurred via the IRM (see Section 8.0) and the asphalt and concrete cover over the Site. Therefore, this migration pathway is not considered relevant.

Based on the analysis of chemical fate and transport provided above, the groundwater-to-air pathway is considered the only potentially relevant mechanism by which parameters detected in groundwater could migrate off-site. The potential significance of chemicals in terms of current and future on-site and off-site receptors is evaluated in Section 6.0.

6.0 QUALITATIVE RISK ASSESSMENT

This Section presents a qualitative assessment of potential human health and ecological risks associated with contact, inhalation or ingestion of contaminants identified in site soil and groundwater media and/or potentially migrating to indoor or outdoor air. Similar to the chemical migration assessment, this qualitative risk assessment takes into consideration the SB-18 source area removal resulting from implementation of IRM activities.

6.1 Potential Human Health Risks

6.1.1 Receptors

The identification of potential human receptors is based on the characteristics of the Site, the surrounding land uses, and the current and probable future land uses. The SB-18 Area is located at 3773 Lake Shore Road on property that is zoned industrial and is currently used as a warehousing facility. Surrounding property use, including downgradient property, is primarily industrial with some commercial applications. The reasonably anticipated future use of the Site is therefore assumed to be for industrial or commercial purposes consistent with current use, zoning and surrounding property use (see Section 9.2 for additional discussion concerning the reasonably anticipated future use of the Site).

Both the site and surrounding properties are serviced by a municipal supplied potable water source, and the SB-18 area is paved. Based on the nature and extent of residual contamination at the Site and the chemical migration assessment presented in Section 5.0, human contact with residual site-related contaminants can therefore occur primarily by two types of receptors under both the current and future site use conditions: construction workers who may access the Site or adjacent property (e.g., to service underground utilities) and thereby come into contact with residual subsurface soil contaminants and/or groundwater; and potentially occupants and visitors of onsite and downgradient buildings who may encounter volatile organic compounds via vapor intrusion. Construction workers and building occupants would be comprised of adults, whereas visitors could potentially include children if the property were used in a commercial (customer service) capacity.

6.1.2 Exposure Risks

Concerning residual soil contaminants, both the Interim Remedial Measures confirmatory sample data (discussed in Section 8.0) and the RI data yielded soil/fill concentrations below residential SCOs for all parameters at all locations with the exception of chromium in samples S-1 and S-2, where concentrations were slightly above the residential SCO but well below the commercial SCO. For the construction worker, soil/fill would only need to meet the higher industrial SCOs to be protective of human health. Similarly soil/fill would only need to meet the commercial SCOs for VOCs to be protective against both worker and visitor (including children) exposure from soil volatilization. As such, no unacceptable health risks due to residual soil/fill concentrations remain for any of the potential receptors.

The chemicals present in groundwater above the Class GA Standards (i.e., potable water standards) are primarily petroleum-based compounds that are likely naturally occurring due to fresh fracturing of the presence of the petroliferous shale bedrock beneath the Site, and as well as naturally-occurring metals. For downgradient building occupants, the potential for health risk due to volatilization from groundwater is dependent on the exposure point concentration (i.e., indoor air concentration), which is a function of several factors including: groundwater concentration; vadose zone depth; building construction and ventilation; and chemical-specific factors. Studies have indicated that compounds subject to aerobic degradation, such as petroleum VOCs, are less likely to cause indoor air concerns due to groundwater-to-air pathways than comparable concentrations of anaerobically degraded compounds. Moreover, the concentrations of VOCs detected in the newly installed monitoring wells are within an order of magnitude of the GA standards and are at levels that would typically warrant no further action at NYSDEC petroleum spill remediation sites. As such, the inhalation of groundwater VOCs is not anticipated to pose a potential risk to downgradient building occupants or visitors, including children.

For the construction worker scenario, the potential for unacceptable risks due to groundwater exposure is minimal. Because groundwater is present in bedrock (as opposed to overburden soils) at depths of greater than 11 feet below grade it is not likely that groundwater would be encountered during conventional building or utility construction or maintenance. Under extreme circumstances (i.e., deep foundation construction necessitating bedrock blasting) worker exposure would be limited to short durations and would not

necessarily pose a risk, as the GA standards are based on the more significant pathway of long-term ingestion as opposed to short-term skin contact or inhalation.

6.2 Potential Ecological Risks

The 3773 Lake Shore Road Site is a warehousing facility located within a developed, urban area in the Town of Hamburg. The Site is substantially covered by a building and asphalt, with limited grassed areas providing little or no wildlife habitat or food value. No natural waterways are present on the Site, nor was there any observed evidence of animal stress during the RI. The reasonably anticipated future use is commercial/light industrial, consistent with past use. As such no unacceptable ecological risks are anticipated under the current or reasonably anticipated future use scenario.

7.0 OVERALL SUMMARY OF RI FINDINGS

The RI data suggest no source of groundwater impact from the SB-18 area or conditions requiring groundwater remedial measures. The trace levels of toluene, xylene, and PAHs detected in the newly installed monitoring wells are likely naturally occurring due to the presence of petroliferous shale bedrock beneath the Site. No soil/fill analytes were detected above restricted-commercial SCOs following IRM construction. In fact, chromium was the only analyte detected at a concentration slightly above its residential SCO; all other results were well below residential SCOs. Based on the RI findings, Benchmark concludes that no further groundwater or soil vapor investigation activities are necessary to complete the Remedial Investigation.

Assessment of chemical fate and transport indicates that chemicals of concern in the SB-18 area are not migrating offsite at significant concentration. Qualitative risk assessment yields no unacceptable health risks under the current or reasonably anticipated future use scenario (i.e., for commercial or industrial purposes). No unacceptable ecological risks were indicated based on the cover type and Site setting.

8.0 INTERIM REMEDIAL MEASURES

An IRM was implemented at the 3773 Lake Shore Road Site concurrent with RI activities. Details of the IRM approach are described in the December 2008 RI/FS & IRM Work Plan (Ref. 1) and September 2009 Final Engineering Report (Ref. 11). Based on the nature and extent of contamination as indicated by prior investigations, the IRM Work Plan called for source removal via excavation, with off-site disposal of impacted soil/fill.

The IRM work was implemented on a design-build basis, by Benchmark on behalf of the former property owner, 3773 Lake Shore Road, Inc. Excavation and backfill activities were contracted to Zoladz Construction Co., Inc. Excavation and backfilling was conducted August 19 and 20, 2009. Specific elements of the IRM included:

- Saw cutting and removal of asphalt pavement above excavation area.
- Excavation and on-site staging of approximately 37 CY of non-impacted surface soil/fill within the excavation limits. The upper 2 feet of soil/fill in the northern portion of the excavation was not impacted and was therefore stockpiled adjacent to the excavation for use as backfill. At NYSDEC's request, a sample of this material was collected and analyzed for VOCs. As shown on Table 3 no VOCs exceeded the residential-use SCOs.
- Excavation of 634.49 tons of VOC-impacted soil/fill over an approximately 51' long by 21' wide area beginning approximately 2 fbg and extending, at its deepest point, to bedrock at a depth of approximately 11 fbg (see Figure 4).
- Removal of a metal tank filled with sand that was discovered in the excavation adjacent to the building foundation. The 5-foot diameter tank was 12 feet long with rust holes and pits. The sand within the tank was removed, mixed with the excavated soil/fill, and disposed off-site at the Chaffee Landfill. The tank was crushed on-site, cleaned, and removed by Zoladz to its facility for scrap.
- Off-site transportation by Zoladz and disposal of impacted soil/fill at the Waste Management Landfill in Chaffee, New York.
- Verification sampling of the sidewalls of the excavation. Benchmark personnel collected six soil/fill grab samples from the walls of the excavation to confirm that the Part 375 restricted-commercial SCOs were met. No bottom samples were collected as the excavation extended to bedrock. Site-specific soil and groundwater QA/QC samples included a matrix spike, matrix spike duplicate, and blind duplicate. The samples were sent to TestAmerica, Inc., a New York State Department of Health (NYSDOH) ELAP-certified analytical laboratory, and analyzed for USEPA Target Compound List (TCL) VOCs in accordance with

USEPA SW-846 Methodology with an equivalent Category B deliverables package.

- Placement and compaction of non-impacted on-site soil and NY State Beneficial Use Determination (BUD)-approved slag backfill material from Iron City Slag, LLC. Approximately 37 CY of non-impacted on-site cover soils removed from the northern portion of the excavation were placed at the bottom of the excavation (northern portion) and compacted with the excavation bucket. A total of 619.29 tons of BUD-approved slag material from Iron City Slag was placed on top of the cover soils to grade. The slag material was placed in approximate 2-foot lifts and compacted with the excavation bucket.
- Surface restoration (asphalt patch) with a 2-inch asphalt binder course to match surrounding grade.

Figure 4 shows verification sample locations. Table 4 summarizes the verification sampling. As indicated, all analyte concentrations were below the target commercial SCOs and, in fact, were well below residential SCOs.

Additional details of the IRM, including the analytical data package, are contained in the Final Engineering Report (Ref. 11).

9.0 FEASIBILITY STUDY

The 3773 Lake Shore Road Site has already been subjected to interim remedial measures in the form of soil/fill excavation and UST removal as described in Section 8.0.

9.1 Remedial Action Objectives

The final remedial measure for the Site must satisfy Remedial Action Objectives (RAOs), which are site-specific statements that convey the goals for minimizing or eliminating substantial risks to public health and the environment. For the 3773 Lake Shore Road Site, appropriate RAOs are:

- Removal of on-site impacted soil/fill to levels protective of human health.
- Prevent migration of contaminants that may result in groundwater contamination.

In addition to achieving RAOs, the remedy is evaluated against the following criteria per the approved RI/FS Work Plan consistent with 6NYCRR Part 375-1.8(f):

- **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.

9.2 Alternatives Evaluation

Because the IRM achieved removal of all soil/fill on-site within the impacted area to below Part 375 residential use SCOs, the IRM successfully achieved the above-described remedial action objectives. Accordingly a “No Further Action” alternative is screened below.

In developing and screening the remedial alternatives, NYSDEC’s Part 375 regulations also require that the reasonableness of the anticipated future land use be factored into the evaluation. The regulations identify 16 criteria that must be considered. These criteria and the resultant outcome for the 3773 Lake Shore Road Site are presented in Appendix E. As indicated, Appendix E supports commercial or industrial use as the reasonably anticipated future use of 3773 Lake Shore Road.

9.2.1 *No Further Action*

“No further action” is defined as conducting no additional cleanup activities at the Site.

Overall Protection of Public Health and the Environment – Since the IRM achieved removal of all on-site impacted soil/fill to residential use SCOs, the No Further Action alternative is protective of human health and the environment and successfully achieves the RAOs for the Site.

Compliance with SCGs – The IRM was performed in accordance with applicable, relevant, and appropriate standards, guidance, and criteria. Accordingly, the “No Further Action” alternative satisfies this criterion.

Long-Term Effectiveness and Permanence – The IRM achieved removal of all source material (i.e., impacted soil/fill and an underground storage tank). As such, the No Further Action alternative is expected to provide long-term effectiveness and permanence.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through removal of all on-site impacted soil/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 soil/fill excavation and loading activities, dust monitoring was performed to assure conformance with NYSDOH-approved community air monitoring action levels. Erosion and sedimentation control were accomplished at the work perimeter by excavating the perimeter to below surrounding grade and installation of silt fencing. The potential for chemical exposures and physical injuries were reduced through safe work practices, proper personal protection, environmental monitoring, establishment of work zones and site control, and appropriate decontamination procedures. The IRM achieved the RAOs for the Site in approximately 1 week.

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

Cost – The capital cost of the IRM was approximately \$65,000. No capital or operation and maintenance costs are associated with the No Further Action alternative.

9.3 Recommended Remedial Measure

Based on the above screening and the conclusions of the Remedial Investigation and Final Engineering Report, the IRM satisfies the remedial action objectives and is protective

of human health and the environment. Accordingly, “No Further Action” is the recommended final remedial approach for the 3773 Lake Shore Road Site.

10.0 REFERENCES

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TABLES

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY

SB-18 Area - 3773 Lakeshore Road
Hamburg, New York

Monitoring Well Designation	TOR Elevation¹ (fmsl)	DTW (ft below TOR)	Groundwater Elevation² (fmsl)
MW - C1	495.12	21.81	473.31
MW- C2	495.48	16.36	479.12
MW - C3	499.96	7.24	492.72
GW - 1	498.70	5.55	493.15

Notes:

1. Top of riser (TOR) elevation based on an assumed datum of 500.00 fmsl; using bolt on fire hydrant.
2. Water levels measured and recorded by Benchmark on 7/8/09.

Definitions:

DTW = depth to water

TOR = top of riser

fmsl = feet above mean sea level

TABLE 2
GROUNDWATER RI ANALYTICAL DATA SUMMARY

SB-18 Area - 3773 Lakeshore Road
Hamburg, New York

Parameter ¹	Groundwater Quality Standards ²	Blind Dup ³	GW-1	MW-C1	MW-C2	MW-C3
TCL Volatile Organic Compounds (VOCs) - ug/L			Sample Collection Date - April 6, 2009			
2-Butanone	50	ND	ND	11	9.7	ND
2-Hexanone	50	ND	ND	1.9 J	ND	ND
4-Methyl-2-pentanone	--	ND	ND	2 J	1.3 J	ND
Acetone	50	ND	ND	27	46	9.5
Benzene	1	ND	ND	1.6	4	ND
Bromodichloromethane	50	ND	ND	1.1	0.46 J	0.92 J
Carbon Disulfide	--	ND	ND	1	ND	ND
Chloroform	7	ND	ND	8.9	2.9	4.3
Cyclohexane	--	ND	ND	54	130	0.73 J
Ethylbenzene	5	ND	ND	2.2	0.48 J	ND
Methylcyclohexane	--	ND	ND	39	70	0.57 J
Toluene	5	ND	ND	15	23	ND
Total Xylenes	5	ND	ND	48	26	2.8
TCL Semi Volatile Organic Compounds (SVOCs) - ug/L			Sample Collection Date - April 9, 2009			
2,4-Dinitrophenol	10	ND	ND	2 J	ND	ND
2-Methylnaphthalene	--	ND	ND	3.2 J	ND	ND
2-Methylphenol	--	ND	ND	0.61 J	ND	ND
Anthracene	50	ND	ND	ND	0.57 J	0.2 J
Benzo(a)anthracene	0.002	ND	ND	0.6 J	0.49 J	0.24 J
Benzo(a)pyrene	--	ND	ND	0.31 J	ND	0.24 J
Benzo(b)fluoranthene	0.002	ND	ND	0.46 J	0.66 J	ND
Benzo(ghi)perylene	--	ND	ND	0.21 J	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	0.34 J	ND	ND
Biphenyl	--	ND	ND	0.44 J	ND	ND
Bis(2-ethylhexyl) phthalate	5	ND	ND	4.7 J	ND	ND
Carbazole	--	ND	ND	0.33 J	ND	ND
Chrysene	0.002	ND	ND	1 J	0.79 J	ND
Diethyl phthalate	50	ND	ND	0.55 J	ND	0.3 J
Di-n-butyl phthalate	50	0.53 J	ND	0.45 J	0.92 J	0.83 J
Fluoranthene	50	0.28 J	ND	1.4 J	2 J	0.49 J
Fluorene	50	ND	ND	1.1 J	ND	ND
Naphthalene	10	ND	ND	0.74 J	ND	ND
Phenanthrene	50	0.48 J	ND	2.9 J	2.5 J	0.67 J
Pyrene	50	0.25 J	ND	ND	1.7 J	0.54 J
TCL PESTICIDES, HERBICIDES, PCBs (ug/L)			Sample Collection Date - April 27, 2009			
4,4'-DDD	0.3	ND	ND	0.05 NJ	0.032 J	ND
beta-BHC	--	ND	ND	ND (R)	ND (R)	ND
delta-BHC	--	ND	ND	ND (R)	ND (R)	ND
Endosulfan II	--	ND	ND	0.023 NJ	ND (R)	ND
gamma-BHC (Lindane)	--	ND	ND	ND (R)	ND (R)	0.038 J
gamma-Chlordane	--	ND	ND	0.036 NJ	0.023 J	ND
Heptachlor Epoxide	0.03	ND	ND	0.071 NJ	ND (R)	ND
Methoxychlor	35	ND	ND	0.1 J	0.043 J	0.061 NJ

TABLE 2
GROUNDWATER RI ANALYTICAL DATA SUMMARY

SB-18 Area - 3773 Lakeshore Road
Hamburg, New York

Parameter ¹	Groundwater Quality Standards ²	Blind Dup ³	GW-1	MW-C1	MW-C2	MW-C3
TAL METALS (ug/L)⁴			<i>Sample Collection Date - April 6, 2009</i>			
Aluminum - Total	100	ND	ND	246000	4230	1220
Arsenic - Total	25	ND	ND	34.8	ND	ND
Barium - Total	1,000	122	117	619	19.3	18.3
Beryllium - Total	3	ND	ND	11.3	ND	ND
Calcium - Total	--	156000	145000	257000	24700	59200
Chromium - Total	50	ND	ND	354	12.5	ND
Cobalt - Total	5	ND	ND	974	ND	ND
Copper - Total	200	ND	ND	164	ND	ND
Iron - Total	300	ND	ND	245000	3690	1510
Lead - Total	25	ND	ND	128	14.1	6
Magnesium - Total	35,000	101000	96600	86200	5060	34600
Manganese - Total	300	23.4 J	20.9 J	2510 J	63.7 J	56.7 J
Nickel - Total	100	ND	ND	383	ND	ND
Potassium - Total	--	9180	9190	72000	12700	12100
Sodium - Total	20,000	184000	190000	208000	59000	220000
Vanadium - Total	14	ND	ND	325	7.7	ND
Zinc - Total	2,000	ND	ND	621	57.6	22.6

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 Class GA groundwater quality standards.
3. Blind Dup Collected at GW-1.
4. Laboratory results for metals were reported in mg/L and converted to ug/L for comparrison to Groundwater Quality Standards.

Definitions:

ND = Parameter not detected above laboratory detection limit.

NA = Sample not analyzed for parameter.

"--" = No SCO available.

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample

NJ = The detection is tentative in identification and estimate in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.

R = The data are unusable. The analyte may or may not be present.

TABLE 3
SOIL BORING COMPOSITE SAMPLE RESULTS
March 20, 2009
SB-18 Area - 3773 Lake Shore Road
Hamburg, New York

Parameter ¹	Soil Boring Locations				Restricted Commercial SCOs ³ (ppm)	Residential SCOs ³ (ppm)
	S-1 (MW-C1)	Blind Dup ²	S-2 (MW-C2)	S-3 (MW-C3)		
TCL Volatile Organic Compounds (VOCs) - mg/kg ⁴						
Acetone	0.027 J	0.013 J	0.029 J	0.046	500 ^b	100 ^a
Carbon disulfide	ND	ND	ND	0.0016 J	--	--
Cyclohexane	0.0017 J	ND	0.026	ND	--	--
Ethylbenzene	ND	ND	0.002 J	ND	390	30
Methylcyclohexane	0.0028 J	ND	0.088	ND	--	--
Methylene chloride	ND	ND	ND	0.0029 J	500 ^b	51
Toluene	ND	ND	0.0034 J	ND	500 ^b	100 ^a
Total Xylene	ND	ND	0.021	ND	500 ^b	100 ^a
TCL Semi-Volatile Organic Compounds (SVOCs) - mg/kg ⁴ ; all results have the following qualifiers: H8, D02						
Anthracene	0.053 J	0.046 J	0.047 J	0.05 J	500 ^b	100 ^a
Benzo(a)anthracene	0.31 J	0.24 J	0.14 J	0.21 J	5.6	1 ^f
Benzo(a)pyrene	0.29 J, L1	0.23 J, L1	0.14 J, L1	0.19 J, L1	1	1 ^f
Benzo(b)fluoranthene	0.46 J	0.34 J	0.19 J	0.23 J	5.6	1 ^f
Benzo(g,h,i)perylene	0.29 J	0.21 J	0.12 J	0.14 J	500 ^b	100 ^a
Benzo(k)fluoranthene	0.14 J	0.11 J	0.083 J	0.081 J	56	1
Bis(2-ethylhexyl)phthalate	ND (R)	ND (R)	ND (R)	ND (R)	--	--
Carbazole	0.065 NJ	0.054 J	ND (R)	0.018 J	--	--
Chrysene	0.38 J	0.31 J	0.2 J	0.22 J	56	1 ^f
Dibenzo(a,h)anthracene	0.078 J	0.06 J	ND (R)	0.041 J	0.56	0.33 ^e
Fluoranthene	0.79 J	0.59 J	0.3 J	0.43 J	500 ^b	100 ^a
Fluorene	ND (R)	ND (R)	ND (R)	0.027 J	500 ^b	100 ^a
Indeno(1,2,3-cd)pyrene	0.26 J	0.18 J	0.095 J	0.13 J	5.6	0.5 ^f
Naphthalene	ND (R)	ND (R)	ND (R)	0.037 J	500 ^b	100 ^a
Phenanthrene	0.32 J	0.23 J	0.16 J	0.2 J	500 ^b	100 ^a
Pyrene	0.59 J	0.45 J	0.22 J	0.36 J	500 ^b	100 ^a
TCL PCBs - mg/kg ⁴						
Aroclor 1254	ND (R)	ND (R)	ND (R)	0.023 J	1	1
TAL Metals - mg/kg						
Aluminum	11600	10600	5920	9270	--	--
Arsenic	4.4	4	ND	6.9	16 ^f	16 ^f
Barium	40.5	32.8	18.4	60.4	400	350 ^f
Beryllium	0.692	0.616	0.369	0.619	590	14
Cadmium	ND	ND	ND	0.43	9	2.5 ^f
Calcium	93300 (D08)	96100 (D08)	45800	52500 (D08)	--	--
Chromium ^h	36 J	134 J	15 J	38 J	1500	36
Cobalt	11.5 J	10.1 J	6.04 J	8.76 J	--	--
Copper	33.6	27.5	17.6	71.9	270	270
Iron	25500 J	27000 J	13400 J	34900 J	--	--

TABLE 3

SOIL BORING COMPOSITE SAMPLE RESULTS
March 20, 2009

SB-18 Area - 3773 Lake Shore Road
Hamburg, New York

Parameter ¹	Soil Boring Locations				Restricted Commercial SCOs ³ (ppm)	Residential SCOs ³ (ppm)
	S-1 (MW-C1)	Blind Dup ²	S-2 (MW-C2)	S-3 (MW-C3)		
TAL Metals - mg/kg						
Lead	17.6	14.7	12.4	59.8	1000	400
Magnesium	9040 J	9470 J	3740 J	6620 J	--	--
Manganese	606 J	2010 J	315 J	699 J	10000 ^d	2000 ^f
Mercury	ND	ND	ND	0.112	2.8 ^j	0.81 ^j
Nickel	39.4	34.7	21.7	36.1	310	140
Potassium	3060	2600	1640	1830	--	--
Sodium	1610	1100	919	499	--	--
Vanadium	19.7 J	47.4 J	9.27 J	20.1 J	--	--
Zinc	64.1 J	61.3 J	32.8 J	198 J	10000 ^d	2200

Notes:

1. Only parameters detected at a minimum of one sample location are presented in this table; all other compounds are reported as non-detect.
2. Blind duplicate collected from S-1 (MW-C1).
3. 6NYCRR Part 375 soil cleanup objectives; Table 375-6.8(b).
4. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

^a The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm.

^b The SCOs for commercial use

^d The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

^e For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

^f For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

^h The SCO for this specific compound is considered to be met if the analysis for the total species is below the specific SCO.

^j This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts).

Definitions:

ND = Parameter not detected above laboratory detection limit.

NA = Sample not analyzed for parameter.

"--" = No SCO available.

BOLD = Value exceeds Part 375 Residential SCO.

Laboratory Qualifiers:

J = Analyte detected at a level less than Reporting Limit and greater than or equal to Method Detection Limit. Concentrations are estimated.

NJ = The detection is tentative in identification and estimate in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.

H8 = The sample was extracted past the holding time.

L1 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

D02 = Dilution required due to sample matrix effects.

D08 = Dilution required due to high concentration of target analyte(s).

R = The data are unusable. The analyte may or may not be present.

TABLE 4

IRM SOIL VERIFICATION SAMPLE RESULTS

**SB-18 Area - 3773 Lake Shore Road
Hamburg, New York**

Parameter ¹	Verification Sample Location							6 NYCRR Part 375 SCOs ²	
	W-N-SW	E-N-SW	E-S-SW	Blind ³	W-S-SW	S-SW	N-SW	Commercial (mg/kg)	Residential (mg/kg)
PID Reading (ppm)	240	14.8	1400	NA	140	5.3	1.8	NA	NA
Target Compound List 8260B Volatile Organic Compounds (VOCs) - mg/kg									
Acetone	0.031 J	ND	0.084 J	0.063 J	0.056 J	0.016 J	0.019 J	500	100
Benzene	0.0017 J	ND	0.0013 J	ND	ND	ND	ND	44	2.9
2-Butanone	0.009 J	ND	0.018 J	0.013 J	ND	ND	ND	500	100
Carbon Disulfide	0.0036 J	0.0018 J	0.0063 J	0.0045	ND	ND	ND	*--*	*--*
1,1-Dichloroethane	0.3 J	0.0	0.13 J	0.09 J	ND	ND	ND	240	19
1,1-Dichloroethene	0.012	ND	0.0023 J	ND	ND	ND	ND	500	100
cis-1,2-Dichloroethene	0.01	ND	ND	ND	ND	ND	ND	500	59
Ethylbenzene	0.0031	ND	0.019	0.017	ND	ND	ND	390	30
Isopropylbenzene	ND	ND	0.0025	0.0012	ND	ND	ND	*--*	*--*
Methylene Chloride	0.062 B	0.073 B	0.065 B	0.061	ND	0.076 B	0.067 B	500	51
Toluene	19 J	0.0042 J	7.2	8.7	0.15	0.0025 J	0.0013 (M8,J)	500	100
1,1,1-Trichloroethane	5.6 J	0.006	0.12 J	0.054 J	0.0053 J	ND	0.0061	500	100
1,1,2-Trichloroethane	0.0058	ND	ND	ND	ND	ND	ND	*--*	*--*
Trichloroethene	0.048	ND	0.0027	ND	ND	ND	ND	200	10
Xylenes (total)	0.016	ND	0.1	ND	0.0017	ND	ND	500	100

Notes:

- Only those compounds detected above the laboratory reporting limit are presented in this table.
- Per NYSDEC Part 375-6 Soil Cleanup Objectives (SCOs).
- Blind duplicate collected from E-S-SW sample location.

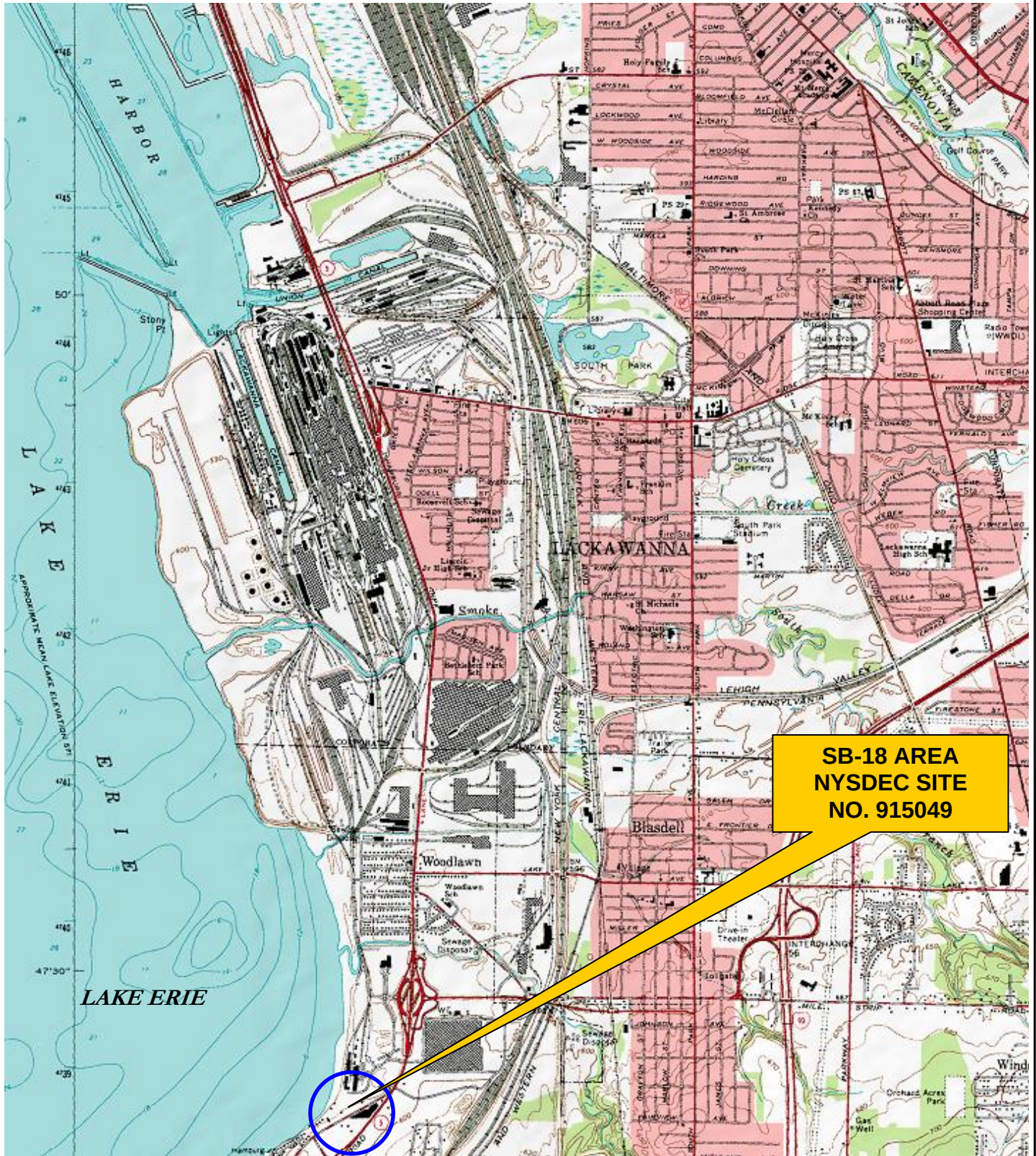
Acronyms:

ND = Not detected above laboratory detection limits.
NA = Not applicable.
-- = No SCO for this analyte.

J = Analyte was positively identified; associated numerical value is an approximation of analyte concentration.
B = Analyte was detected in the associated method blank.
U = The compound was analyzed for, but was not detected above the level of the associated value.
M8 = MS and/or MSD were below acceptance limits.

FIGURES

FIGURE 1



2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0599

SITE LOCATION AND VICINITY MAP

RI/FS REPORT

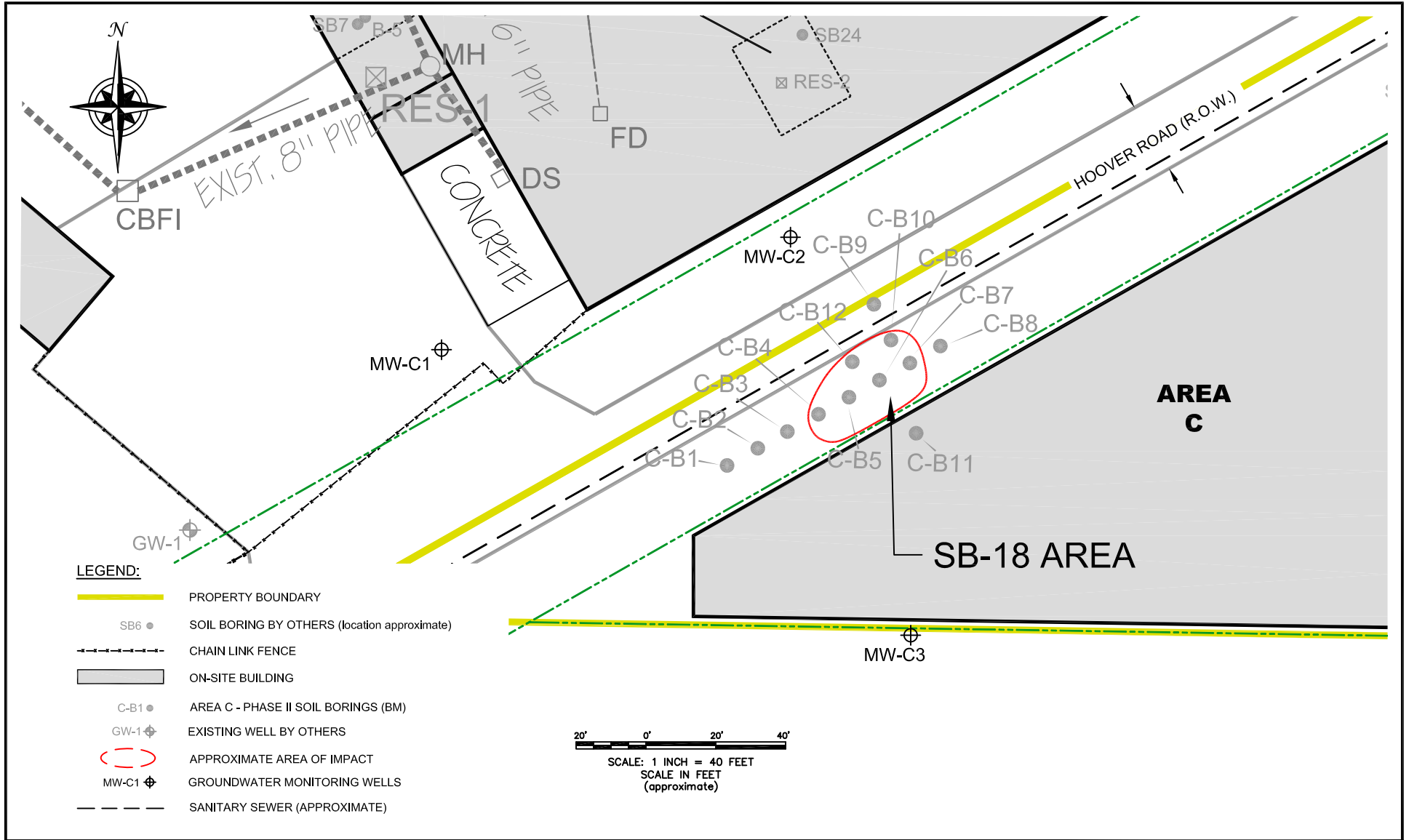
SB-18 AREA
HAMBURG, NEW YORK

PREPARED FOR
3773 LAKE SHORE ROAD, INC.

PROJECT NO.: 0109-001-104

DATE: DECEMBER 2009

DRAFTED BY: AJZ



2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0599

PROJECT NO.: 0109-001-104

DATE: DECEMBER 2009

DRAFTED BY: AJZ

SITE PLAN

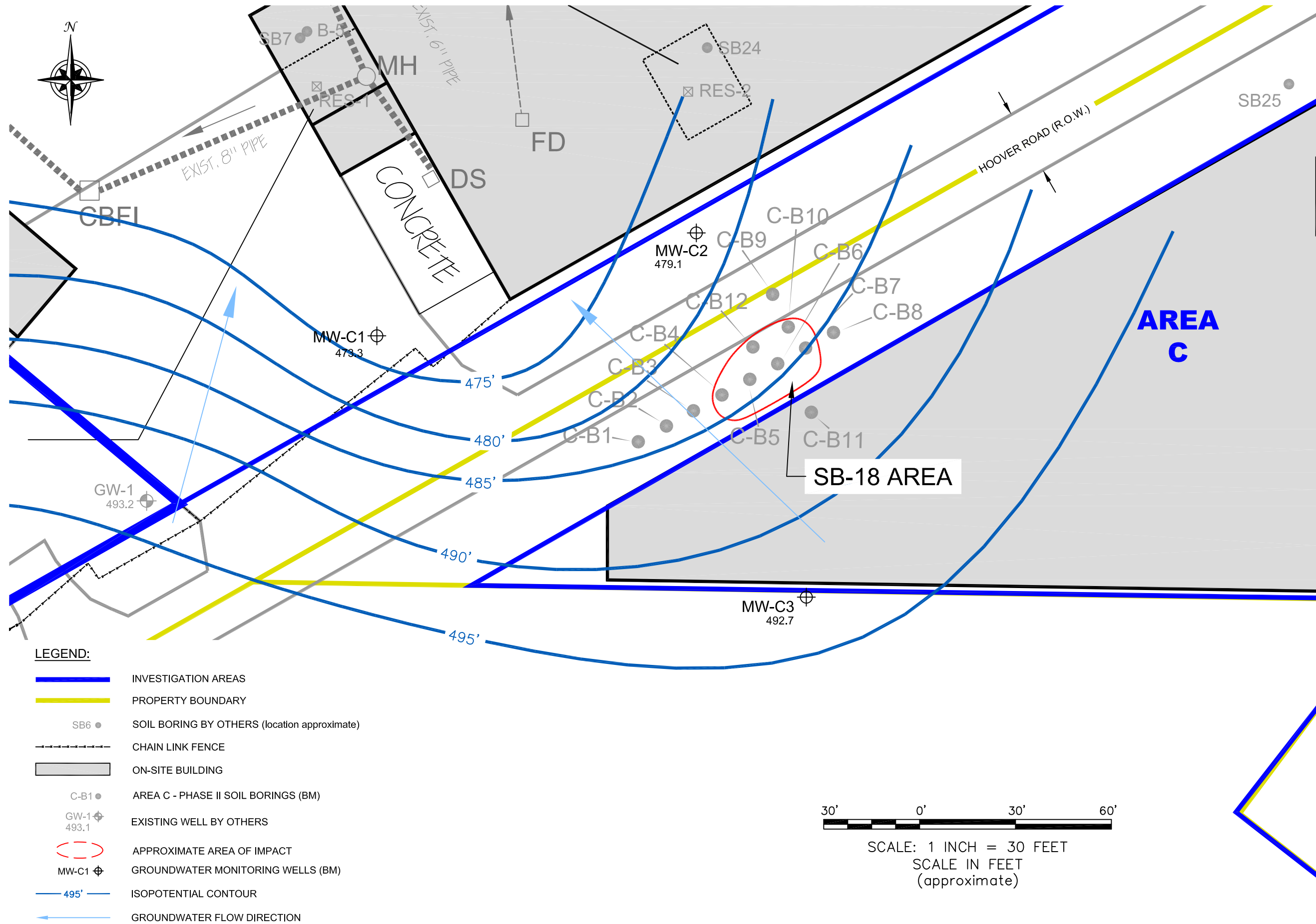
RI/FS REPORT

SB-18 AREA

HAMBURG, NEW YORK

PREPARED FOR
3773 LAKE SHORE ROAD, INC.

FIGURE 2



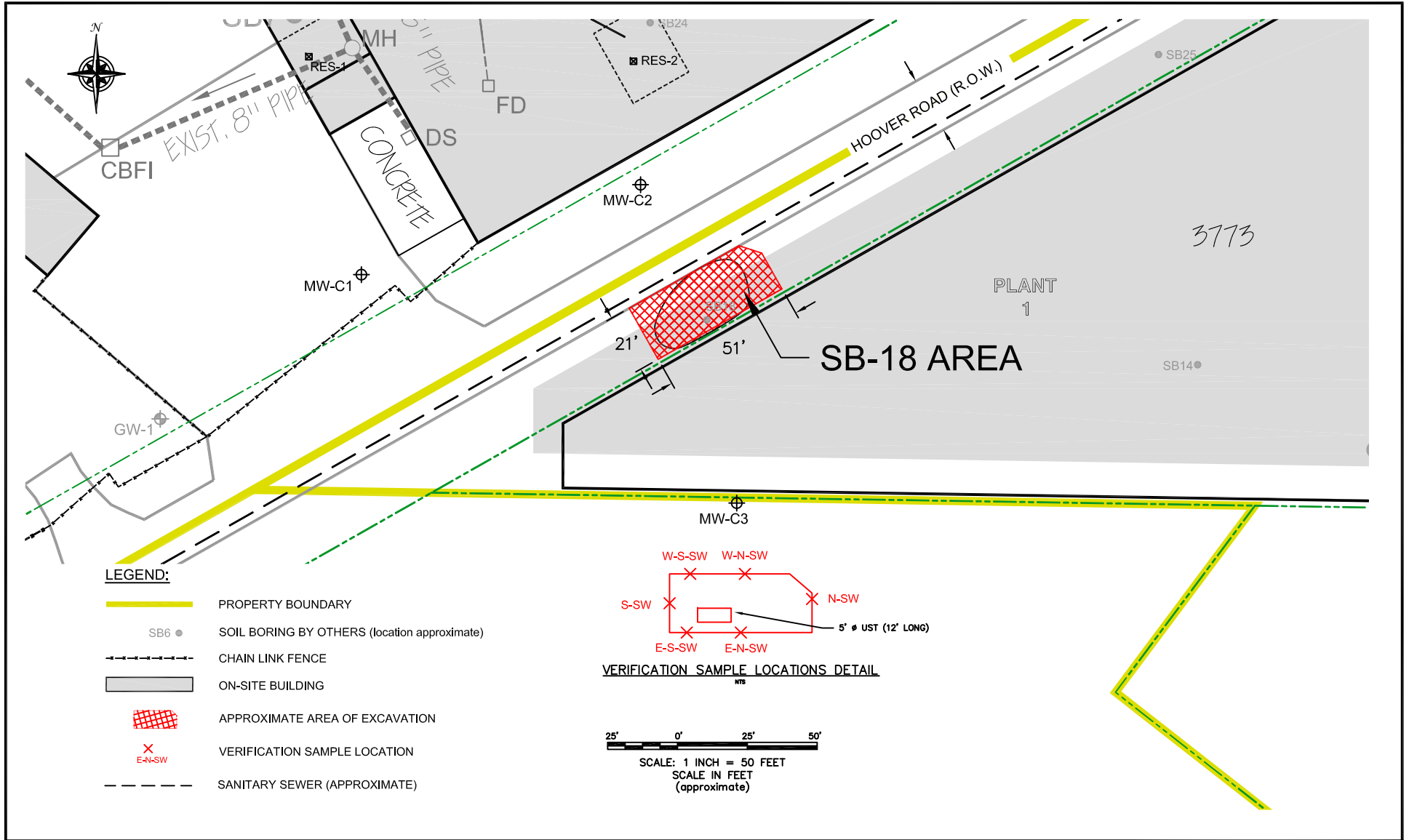
GROUNDWATER ISOPOTENTIAL MAP (JULY 2009)

RI/FS REPORT
SB-18 AREA
HAMBURG, NEW YORK
PREPARED FOR
3773 LAKE SHORE ROAD, INC.

FIGURE 3

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0598

JOB NO.: 0109-001-104



2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0599

PROJECT NO.: 0109-001-104

DATE: DECEMBER 2009

DRAFTED BY: NTM

IRM EXCAVATION LIMITS AND VERIFICATIONS SAMPLE LOCATIONS

RI/FS REPORT

SB-18 AREA
HAMBURG, NEW YORK

PREPARED FOR
3773 LAKE SHORE ROAD, INC.

FIGURE 4

APPENDIX A

PREVIOUS INVESTIGATIONS

**Relevant Pages from Hazard Evaluations, Inc. (HEI) November 21, 2006 Report
Follow**

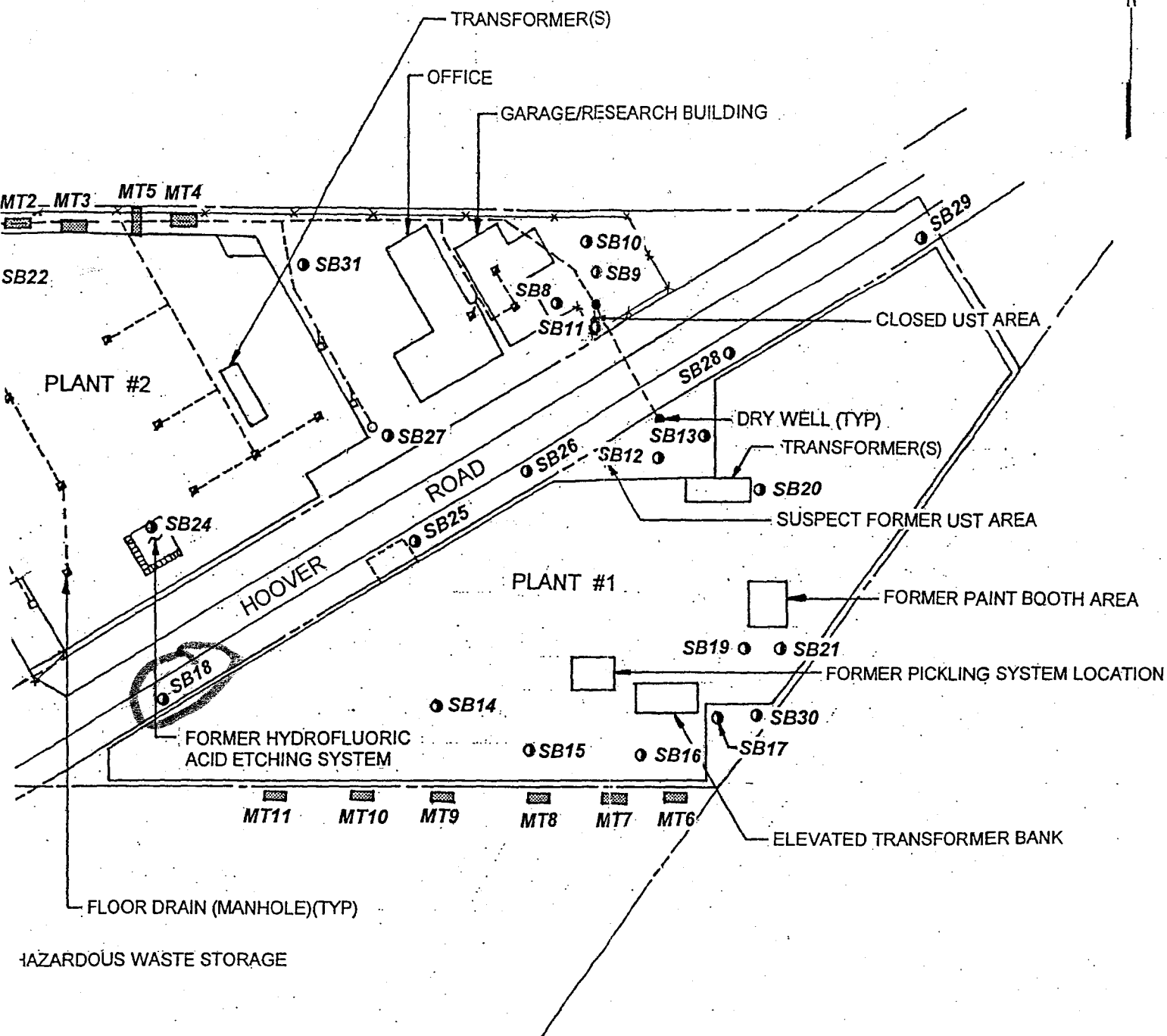
Discussion of Results

In general, the laboratory analytical results revealed the presence of numerous types of soil and/or groundwater contamination at the subject site, including chlorinated solvents, volatile organic compounds, diesel fuel and heavy metals. The analytical results were compared to the NYSDEC Recommended Soil Cleanup Objectives (RSCOs) as presented in Appendix A of TAGM HWR-94-4046, dated January 24, 1994 (TAGM 4046).

Volatile Organic Compounds

The volatile organic compounds analysis revealed the presence of Target Compounds exceeding the applicable RSCOs in eight of the fourteen soil samples submitted for VOCs analysis. The most notable exceedances included the following: 1,1,1-Trichloroethene [3,980,000 µg/kg (RSCO = 800 µg/kg)] and Toluene [2,600,000 µg/kg (RSCO = 1,500 µg/kg)] in sample SB18 (4'-8'), Naphthalene [31,900 µg/kg (RSCO = 13,000 µg/kg)] in sample the ETP-7 (2.5'), and Toluene [20,300 µg/kg (RSCO = 1,500 µg/kg)] in sample MT-1 (under tank). Other miscellaneous VOCs exceedances were noted in samples collected from SB1 (12'-13.5'), SB10 (8'-10'), SB15 (4'-8'), Drum Waste (A) [ETP-3], and Drums Waste (B) [ETP-3]. Table 1 summarizes the VOCs data (Attachment 3). Attachment 4 presents the Laboratory Analytical Report.

The VOCs detected in the SB18 (4'-8') sample are suspected to be associated with former solvent storage at that location, given the presence of apparent sand tank bedding material encountered in the boring. Compounds detected in the ETP-7 (2.5') sample suggest a former diesel fuel release adjacent to the marina building. Toluene detected in the MT-1 (Under Tank) sample is suspected to be related to the bulk storage of that solvent. The source(s) of the Acetone in the SB1 (12'-13.5'), SB10 (8'-10) and SB15 (4'-8') samples is unknown.



HAZARD EVALUATIONS, INC.

Phase I/II Audits - Site Investigations - Facility Inspections

TEST PIT AND SOIL BORING LOCATION PLAN

INDUSTRIAL PROPERTY

3774 LAKE SHORE ROAD, HAMBURG, NEW YORK

NEVILLE LUMBER CO., INC.

BUFFALO, NEW YORK

DRAWN BY: DLW

SCALE: NOT TO SCALE

PROJECT: 0602

CHECKED BY: SAO

DATE: 11/06

DRAWING NO: 1

Date 11/1/06 No. 0602
 Client Newell Lumber Inc.
 Subject 3974 Lake Shore Rd.
 Weather Cold, Windy Temp. _____

Hazard Evaluations, Inc.
 3836 N. Buffalo Rd.
 Orchard Park, NY 14127
 (716) 667-3130

FIELD INVESTIGATION REPORT

<u>SR17 (Former Acid Tank Location)</u>		
Refusal encountered at 4' + 5.5'. Third attempt is as shown.		
0-4'	Mixed fill, some black silt, soft, wet.	<u>2.4</u>
4-8'	Mixed silt, soft black, grades to dry layered silt.	<u>1.8</u>
8-10.5'	Wet sand + silt w/stone, soft to v. dry silt.	<u>2.1</u>
Well Placed for sampling.		
<u>SR18</u>		
0-4'	Fill to soft sand w/odor	<u>> 7,000</u>
4-8'	Wet, soft sand, odor, sheen	<u>> 7,000</u>
8-12'	Soft wet sand (Free Product Present) to dense silt	<u>> 7,000</u>
<u>SR19</u>		
0-4'	Dense silt, brittle	<u>5.7</u>
4-6.5'	Softer silt, moist. Ref at 6.5'.	<u>3.1</u>
<u>SR20</u>		
0-4'	Fill to some darker material	<u>4.2</u>
4-8'	Same to softer silt, moist, brown.	<u>2.0</u>
8-12'	Same to more gray, dense silt,	<u>1.6</u>
<u>SR21</u>		
0-4'	Dry soft silt, some moisture.	<u>2.0</u>
4-8'	Similar	<u>3.8</u>
8-12'	Soft moist silt, skitter at bottom	<u>2.1</u>

Signature [Signature] Title PM

Table 1
Selected Soil Sample Analytical Results; TCL & STARS Volatile Organics
3774 Lakeshore Road, Hamburg, NY
October 18, 19, 31 & November 1, 2006 Sampling Dates

Analytical Parameter	SB1 (12'-13.5')	SB2 (8'-10') & (0'-4')	SB3 (4'-6')	SB10 (8'-10')	SB15 (4'-8')	SB18 (8'-12')	Drum Waste (A) (ETP-3)	Drum Waste (B) (ETP-3)	Recommended Soil Cleanup Objective (TAGM 4046)
Bromodichloromethane	"	"	"	"	"	"	"	"	NA
Bromomethane	"	"	"	"	"	"	"	"	NA
Bromoform	"	"	"	"	"	"	"	"	NA
Carbon Tetrachloride	"	"	"	"	"	"	"	"	600
Chloroethane	"	"	"	"	"	"	"	"	1,900
Chloromethane	"	"	"	"	"	"	"	"	NA
2-Chloroethyl vinyl ether	"	"	"	"	"	"	"	"	NA
Chloroform	17.2	"	9.75	"	"	"	"	"	300
Dibromochloromethane	"	"	"	"	"	"	"	"	NA
1,1-Dichloroethane	"	"	"	"	"	"	"	"	200
1,2-Dichloroethane	"	"	"	"	"	"	"	"	100
1,1-Dichloroethene	"	"	"	"	"	"	"	"	400
Cis-1,2-Dichloroethene	"	"	"	"	"	"	"	"	NA
Trans-1,2-Dichloroethene	"	"	"	"	"	"	"	"	300
1,2-Dichloropropane	"	"	"	"	"	"	"	"	NA
Cis-1,3-Dichloropropene	"	"	"	"	"	"	"	"	300
Trans-1,3-Dichloropropene	"	"	"	"	"	"	"	"	300
Methylene Chloride	"	"	"	"	"	"	"	"	100
1,1,2,2-Tetrachloroethane	"	"	"	"	"	"	"	"	600
Tetrachloroethene	"	"	"	"	"	"	"	"	1,400
1,1,1-Trichloroethane	11.5	"	"	"	"	3,980,000	"	"	800
1,1,2-Trichloroethane	"	"	"	"	"	"	"	"	NA
Trichloroethene	"	"	"	"	"	"	"	"	700
Trichlorofluoromethane	"	"	"	"	"	"	"	"	NA
Vinyl Chloride	"	"	"	"	"	"	"	"	200
Benzene	"	"	"	"	"	"	"	"	60

Notes: 1) Results from USEPA Method 8260 for Volatiles; All results in ppb (ug/kg).
2) NA = Not Applicable
3) " means compound not detected above Method Detection Limit (MDL).

Table 1 (continued)
Selected Soil Sample Analytical Results; TCL & STARS Volatile Organics
3774 Lakeshore Road, Hamburg, NY
October 18, 19, 31 & November 1, 2006 Sampling Dates

Analytical Parameter	SB1 (12'-13.5')	SB2 (8'-10') & (0'-4')	SB3 (4'-6')	SB10 (8'-10')	SB15 (4'-8')	SB18 (8'-12')	Drum Waste (A) (ETP-3)	Drum Waste (B) (ETP-3)	Recommended Soil Cleanup Objective (TAGM 4046)
Chlorobenzene	"	"	"	"	"	"	"	"	1,700
Ethylbenzene	"	"	"	"	"	"	"	276	5,500
Toluene	19.0	"	"	"	"	2,600,000	1,800	445	1,500
Xylenes	"	"	"	"	"	"	"	2,557	1,200
Styrene	36.1	"	"	"	"	"	"	"	NA
1,2-Dichlorobenzene	"	"	"	"	"	"	"	"	7,900
1,3-Dichlorobenzene	"	"	"	"	"	"	"	"	1,600
1,4-Dichlorobenzene	"	"	"	"	"	"	"	"	8,500
Acetone	310	"	92.4	544	261	"	"	1,170	200
2-Butanone	"	"	"	"	"	"	"	"	300
2-Hexanone	"	"	"	"	"	"	"	"	NA
4-Methyl-2-pentanone	"	"	"	"	"	"	"	"	1,000
Carbon Disulfide	"	"	"	"	"	"	"	"	2,700
Vinyl acetate	"	"	"	"	"	"	"	"	NA
n-Butylbenzene	"	"	"	"	"	"	"	"	10,000
sec-Butylbenzene	"	"	"	"	"	"	240	"	10,000
tert-Butylbenzene	"	"	"	"	"	"	"	"	10,000
n-Propylbenzene	"	"	"	"	"	"	1,020	"	3,700
Isopropylbenzene	"	"	"	"	"	"	704	"	2,300
p-Isopropyltoluene	"	"	"	"	"	"	"	"	10,000
Naphthalene	"	"	"	"	"	"	"	"	13,000
1,2,4-Trimethylbenzene	"	"	"	"	"	"	"	450	10,000
1,3,5-Trimethylbenzene	"	"	"	"	"	"	"	155	3,300
Methyl tert-butyl Ether	"	"	"	"	"	"	"	"	120
Top 20 TICs	3,405	253	220	28.3	193	"	21,359	1,349	10,000

Notes: 1) Results from USEPA Method 8260 for Volatiles; All results in ppb (ug/kg).
2) NA = Not Applicable
3) " means compound not detected above Method Detection Limit (MDL).

March 26, 2008

Mr. Jaspal Walia
New York State Department of
Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2999

**Re: 3773 Lake Shore Road, Blasdell, NY
Area C – Phase II Investigation**

Dear Mr. Walia:

In accordance with our February 25, 2008 II Work Plan, Benchmark has completed supplemental investigation activities to better delineate the extent of impacts in the vicinity of SB-18 within Area C of the subject Site. Descriptions of our approach to the work and investigation findings are presented below. Areas investigated and discussed within this report are identified on Figure 1.

BACKGROUND

A November 2006 Phase II report prepared by Hazard Evaluations, Inc. (HEI) reported that during the course of the Phase II investigation work a soil boring identified as SB-18 (see Figure 1) was discovered to contain toluene and 1,1,1-trichloroethane above Technical Assistance and Guidance Memorandum (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs). The HEI report also indicated the presence of bedding sands potentially associated with an underground storage tank near the SB-18 boring.

As the aerial extent of the soil/fill impacts had not been determined through HEI's work, Benchmark prepared an Area C Site Investigation Work Plan to better determine the quantity of soil potentially requiring remediation, and to characterize groundwater at an existing downgradient monitoring well (i.e. GW-1, installed to a depth of approximately 24 feet below ground surface in the upper weathered bedrock). The soil/fill investigation proposed direct-push test borings in the area surrounding HEI's boring SB-18. Borings were slated to continue outward based on visual/olfactory evidence or PID screening until the approximate area of impact was delineated.

INVESTIGATION APPROACH

The investigation involved completion of a one-day soil boring investigation program under the direction of Benchmark's geologist, Mr. Thomas Behrendt. On February 29, 2008, Benchmark's designated subcontractor, TREC Environmental, Inc. mobilized a truck

mounted Geoprobe® rig to the site and advanced twelve soil borings, identified as C-B1 through C-B12 in the vicinity of HEI's SB-18. Soil boring locations are presented on Figure 1. Soil boring logs are presented in Attachment 1. Each boring was advanced using a 1.5-inch diameter, 4-foot core sampler equipped with a PVC sleeve. Soil descriptions were completed in the field via visual/olfactory characterization of recovered soil cores using the Unified Soil Classification System (USCS), and scanned for total volatile organic vapors with a calibrated MiniRae 2000 PID equipped with a 10.6 eV lamp. Soil/fill samples were collected at select locations for chemical analysis as described below. Following soil/fill logging and screening, all borings were backfilled with the soil/fill cuttings to match the existing grade. Additionally, a groundwater sample was collected from existing well GW-1 using low-flow sampling procedures and analyzed for volatile organic compounds (VOCs).

FIELD OBSERVATIONS

As presented on Table 1, field PID readings ranged from 0.0 ppm to 3879 ppm. At C-B1 through C-B3, C-B8, C-B9, and CB11 (inside the adjacent plant building) PID readings were equal to background (0.0 ppm). Conversely, borings C-B4 through C-B7, C-B10, and C-B12 exhibited PID readings above 5 ppm. Soil boring C-B6 exhibited elevated PID readings beginning at two feet below grade surface (fbgs) and continuing until approximately 11 fbgs. The surrounding borings with elevated PID readings generally exhibited impact at four feet or deeper, suggesting a surface release at or near C-B6. No evidence of an underground storage tank was found at any of the boring locations.

SAMPLING AND ANALYSIS

Based on field evaluation described above, four representative soil/fill samples were collected for analysis. Specifically, samples were collected from C-B4(4-6), C-B5(4-6), C-B11(10-11), and C-B12(8-11). These locations were selected to correlate varying PID readings to analytical results. The soil/fill samples were placed in pre-cleaned, laboratory provided sample bottles using dedicated stainless steel sampling tools, and cooled to 4° C in the field. The samples were transported under chain-of-custody command to Test America Labs of Amherst, NY for analysis of Target Compound List volatile organic compounds (TCL VOCs).

Analytical results are summarized on Table 2, attached. The data package is presented in Attachment 2. For comparison, Table 2 includes comparison to health-based restricted commercial Soil Cleanup Objectives (SCOs) per NYSDEC cleanup program regulations contained in 6NYCRR Part 375. As presented on Table 2, the data results indicate that detected analytes are all well below the Part 375 restricted commercial SCOs.

No volatile organic compounds (VOCs) were detected in GW-1. The laboratory analytical report is presented in Attachment 2.

CONCLUSIONS

Based on the laboratory analytical results, the soil/fill surrounding SB-18 meets commercial SCO's per 6NYCRR Part 375. No evidence of an underground storage tank was detected, nor were any VOCs detected in monitoring well GW-1. Accordingly, we believe that no further action is required.

Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC



Thomas H. Forbes, P.E.
Project Manager

c: N. Katz, Esq.
C. Slater, Esq.
J. Charles

Att.

TABLES

TABLE 1
SOIL BORING PID READINGS

3773 Lakeshore Road Site
Hamburg, New York

Depth (fbgs)	SOIL BORING LOCATIONS											
	C-B1 (ppm)	C-B2 (ppm)	C-B3 (ppm)	C-B4 (ppm)	C-B5 (ppm)	C-B6 (ppm)	C-B7 (ppm)	C-B8 (ppm)	C-B9 (ppm)	C-B10 (ppm)	C-B11 (ppm)	C-B12 (ppm)
(0 - 2)	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0
(2 - 4)						20.5			0.0	0		
(4 - 6)	0.0	0.0	0.0	8.4	1188	88.1	0.0	0.0	0.0	192	0.0	13.6
(6 - 8)	0.0	0.0	0.0	1130	164	75	0.0	0.0	0.0	349	0.0	
(8 - 9.5)	0.0	0.0	0.0	1818	336	45.3	48.1	0.0	0.0	50.3	0.0	27.8
(9.5 - 11)	0.0	0.0	0.0	208	19.5		25.6	0.0	0.0		0.0	
(11 - 12.5)	0.0	0.0	0.0	3879	NA	0.0	NA	NA	0.0	57.1	NA	18.8
(12.5 - 13.5)	NA	NA	0.0	60.3	NA	NA	NA	NA	0.0		NA	
(13.5 - 14.5)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	

NA - Boring ended due to refusal.

19.5 PID readings above 5 ppm

**TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS**

**3773 Lakeshore Road Site
Hamburg, New York**

Parameter ¹	Soil Boring Locations				Restricted SCOs Commercial (ppm)
	C-B4 (4-6)	C-B5 (4-6)	C-B11 (10-11)	C-B12 (8-11)	
TCL Volatile Organic Compounds (VOCs) - mg/kg ³					
Acetone	0.042	0.058	0.034	0.022 J	500
Benzene	ND	0.009	ND	0.002 J	44
2-Butanone (MEK)	0.008 J	0.018 J	ND	0.013 J	500
Carbon disulfide	0.001 J	0.002 J	ND	0.006	--
Chloroethane	0.017	ND	ND	ND	--
1,1-Dichloroethane	ND	0.19	ND	0.17	240
1,1-Dichloroethene	ND	ND	ND	0.003 J	500
cis-1,2-Dichloroethene	ND	0.002 J	ND	0.002 J	500
trans-1,2-Dichloroethene	ND	ND	ND	0.001 J	500
Ethylbenzene	0.006	0.037	ND	ND	390
Isopropylbenzene	0.001 J	0.002 J	ND	ND	--
Methylcyclohexane	0.006	0.004 J	ND	ND	--
Methylene chloride	0.015	0.013 B	0.033 B	0.023	500
Tetrachloroethene	0.001 J	0.014	ND	0.002 J	150
Toluene	0.052	42 D	0.003 J	8.4 D	500
1,1,1-Trichloroethane	ND	0.24 E	ND	1.8 D	500
1,1,2-Trichloroethane	ND	ND	ND	0.005	--
Trichloroethene	ND	0.024	ND	ND	200
Total Xylene	0.056	0.15	ND	0.005 J	500

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 draft Part 375 Soil Cleanup Objectives (June 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.

-- = No SCO available.

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

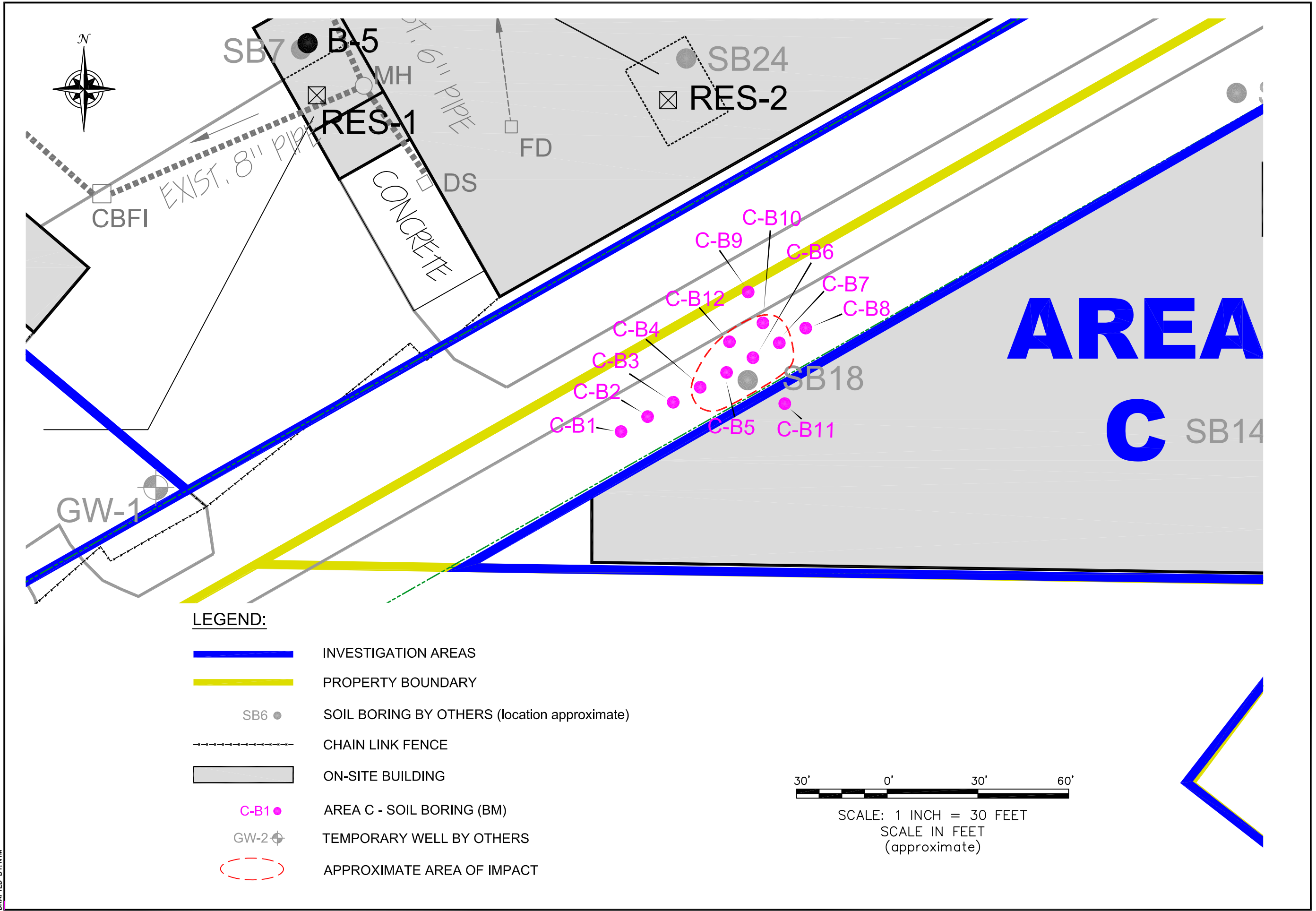
B = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.

D = All compounds were identified in an analysis at the secondary dilution factor.

E = Indicates compound whose concentration exceeds calibration range of the instrument

FIGURES

DATE: MARCH 2008
DRAFTED BY: NTM



**SUPPLEMENTAL PHASE II SITE INVESTIGATION
SITE PLAN**

AREA C INVESTIGATION
3773 LAKESHORE ROAD
HAMBURG, NEW YORK
PREPARED FOR
3773 LAKESHORE ROAD, INC.

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0109-001-103

FIGURE 1

ATTACHMENT 1

Field Activity Logs

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B1
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph, bright sun.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	1.9	<u>0.0 - 0.9</u> Black, moist, <u>Asphalt</u> , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.9 - 1.9</u> Dark brown, moist, <u>Fill</u> , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and slag pieces.	0.0	NA	No	
-4	4							
-6	6	S2	3.3	<u>0.0 - 3.3</u> As above 0.9 - 1.9.	0.0	NA	No	
-8	8							
-10	10	S3	2.8	<u>0.0 - 2.8</u> Dark brown, moist, <u>Siltyclay</u> , with some sand, with little med gravels, mechanically fissured, hard.	0.0	NA	No	
-11	11							
		S4	1.0	<u>0.0 - 1.0</u> Black, wet, <u>Medium Gravel</u> , with some fine sand, loose.	0.0	Na	No	
-12.2	12.2							
-14.2	14.2	S5		Refusal @ 12.2 fbgs most likely due to top of rock.				
-16.2	16.2							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B2
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph, bright sun.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	2.0	<u>0.0 - 0.5</u> Black, moist, <u>Asphalt</u> , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.5 - 2.0</u> Dark brown, moist, <u>Fill</u> , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and blue slag pieces.	0.0	NA	No	
-4	4							
-6	6	S2	3.4	<u>0.0 - 3.4</u> Brown, moist, <u>Siltyclay</u> , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard.	0.0	NA	No	
-8	8							
-10	10	S3	2.4	<u>0.0 - 2.4</u> As above.	0.0	NA	No	
-11	11							
-12	12	S4	1.1	<u>0.0 - 1.5</u> As above.	0.0	Na	No	
-13	13							
-15	15	S5		Refusal @ 13.0 fbgs most likely due to top of rock.				
-17	17							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B3
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph, bright sun.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	2.7	<u>0.0 - 0.5</u> Black, moist, Asphalt , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.5 - 2.7</u> Dark brown, moist, Fill , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and blue slag pieces.	0.0	NA	No	
-4	4							
-6	6	S2	2.7	<u>0.0 - 0.5</u> Brown, wet, fine sand, loose, slow dilatancy. <u>0.0 - 3.4</u> Dark brown, moist, Siltyclay , with little sand and little coarse gravel, very stiff.	0.0	NA	No	
-8	8							
-10	10	S3	3.0	<u>0.0 - 1.0</u> Brown, wet, Siltyclay , with some sand and some fine gravel, stiff. <u>1.0 - 3.0</u> as above but moist.	0.0	NA	No	
-11	11							
-12	12	S4	1.3	<u>0.0 - 1.3</u> Dark grey, moist, weathered shale , with some fine sand and coarse gravel, laminated, hard, breaks apart with hand pressure.	0.0	Na	No	
-13.5	13.5							
-15.5	15.5	S5		Refusal @ 13.5 fbgs most likely due to top of rock.				
-17.5	17.5							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B4
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph, overcast.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	1.7	0.0 - 0.6 Black, moist, Asphalt , Some fine to coarse sand with some fine to medium gravel, loose. 0.5 - 1.7 Dark brown, moist, Fill , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and yellow brick.	0.0	NA	No	
-4	4				8.4	NA	Yes	
-6	6	S2	3.3	0.0 - 3.3 Brown, moist, Siltyclay , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard, paint odor.	1130	NA	No	
-8	8				1818	NA	No	
-10	10	S3	2.5	0.0 - 2.5 As above.	208	NA	No	
-11	11				3879	NA	No	
-12	12	S4	1.1	0.0 - 1.1 As above but wet from 11.0 - 11.3 fbgs.	60.3	NA	No	
-13.6	13.6							
-15.6	15.6	S5		Refusal @ 13.6 fbgs most likely due to top of rock.				
-17.6	17.6							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B5
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph, overcast.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	1.6	<u>0.0 - 0.6</u> Black, moist, <u>Asphalt</u> , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.6 - 1.6</u> Dark brown, moist, <u>Fill</u> , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and grey soft silty clay at bottom.	0.0	NA	No	
-4	4				1188	NA	Yes	
-6	6	S2	1.8	<u>0.0 - 1.8</u> Brown, moist, <u>Siltyclay</u> , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard, paint odor.	164	NA	No	
-8	8				336	NA	No	
-10	10	S3	2.5	<u>0.0 - 1.0</u> Brown, wet, <u>fine sand</u> , slow dilatency, paint odor. <u>1.0 - 2.5</u> As above S2.	19.5	NA	No	
-11	11							
-12	12	S4		Refusal @ 11 fbgs most likely due to top of rock.				
-13	13							
-15	15	S5						
-17	17							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B6
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0				0.0			
-2	2	S1	2.5	0.0 - 0.5 Black, moist, Asphalt , Some fine to coarse sand with some fine to medium gravel, loose. 0.5 - 2.0 Dark brown, moist, Fill , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and blue slag pieces. 2.0 - 2.5 Black, moist, Siltyclay , with few sands, medium soft, paint odor.	0.0	NA	No	
-4	4				20.5			
-6	6	S2	2.3	0.0 - 0.7 Black, moist, Siltyclay , with few sands, medium soft, paint odor. 0.7 - 2.3 Brown, moist, Siltyclay , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard, paint odor.	88.1	NA	Yes	
-8	8				75	NA	No	
-10	10	S3	1.7	0.0 - 1.7 Brown, moist, Siltyclay , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard, paint odor.	45.3	NA	No	
-11	11							
-12	12	S4	0.7	0.0 - 0.7 Black, wet, Weathered Shale pieces.	0.0	NA	No	
-12.7	12.7							
-14.7	14.7	S5		Refusal @ 12.7 fbgs most likely due to top of rock.				
-16.7	16.7							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B7
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	2.0	<u>0.0 - 0.5</u> Black, moist, Asphalt , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.5 - 1.2</u> Dark brown, moist, Fill , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and slag pieces. <u>1.2 - 2.0</u> Brown, moist, Fine Sand , loose, with some iron staining.	0.0	NA	No	
-4	4							
-6	6	S2	3.5	<u>0.0 - 3.5</u> Black dark gray, moist Siltyclay , with some sand and few coarse gravel.	0.0	NA	No	
-8	8							
-10	10	S3	2.8	<u>0.0 - 2.8</u> As above with paint odor.	48.1 25.6	NA	No	
-11	11							
-12	12	S4		Refusal @ 11.0 fbgs most likely due to top of rock.				
-12	12							
-14	14	S5						
-16	16							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B8
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	2.1	<u>0.0 - 0.5</u> Black, moist, <u>Asphalt</u> , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.5 - 1.3</u> Dark brown, moist, <u>Fill</u> , Silt fines with some fine sand and clay, dense loose when disturbed, with cinders and slag pieces. <u>1.3 - 2.1</u> Brown, moist, yellow brick with iron staining.	0.0	NA	No	
-4	4							
-6	6	S2	3.5	<u>0.0 - 0.5</u> Black, moist, <u>Siltyclay</u> , with trace fine sand, medium soft, no structure. <u>0.5 - 3.5</u> Brown, moist, Siltyclay, with some sand and little coarse gravel (shale pieces), mechanically fissured, hard.	0.0	NA	No	
-8	8							
-10	10	S3	2.0	<u>0.0 - 2.0</u> As above 0.5 - 3.5.	0.0	NA	No	
-11	11							
-12	12	S4		Refusal @ 11.0 fbgs most likely due to top of rock.				
-12	12							
-14	14	S5						
-16	16							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B9
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	3.0	<u>0.0 - 0.9</u> Black, moist, Asphalt , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.9 - 2.7</u> Dark brown, moist, Fill , Silt fines with some fine and coarse sands with few medium gravels, dense loose when disturbed. <u>2.7 - 3.0</u> Dark brown to black, moist, Siltyclay , with few sand, rootlets.	0.0	NA	No	
-4	4							
-6	6	S2	3.4	<u>0.5 - 3.5</u> Brown, moist, Siltyclay , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard.	0.0	NA	No	
-8	8							
-10	10	S3	2.0	<u>0.0 - 2.0</u> As above.	0.0	NA	No	
-11	11							
-12	12	S4	2.0	<u>0.0 - 2.0</u> As above.	0.0	NA	No	
-13.4	13.4							
-15.4	15.4	S5		Refusal @ 11.0 fbgs most likely due to top of rock.				
-17.4	17.4							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B10
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Terminate ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	2.2	<u>0.0 - 0.5</u> Black, moist, <u>Asphalt</u> . Some fine to coarse sand with some fine to medium gravel, loose. <u>0.5 - 1.5</u> Dark brown, moist, <u>Fill</u> , Silt fines with some fine and coarse sands with few medium gravels, dense loose when disturbed. <u>1.5 - 2.2</u> Light brown, moist, <u>Fine sand</u> , no structure, loose.	0.0	NA	No	
-4	4				192			
-6	6	S2	3.0	0.0 - 3.0 Brown, moist, <u>Siltyclay</u> , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard, paint odor.	349	NA	No	
-8	8							
-10	10	S3	2.2	<u>0.0 - 2.0</u> As above.	50.3	NA	No	
-11	11							
-12	12	S4	2.0	<u>0.0 - 2.0</u> As above.	57.1	NA	No	
-14.6	14.6							
-16.6	16.6	S5		Refusal @ 14.6 fbgs most likely due to top of rock.				
-18.6	18.6							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B11
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
				(ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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				
0	0							
-2	2	S1	1.7	<u>0.0 - 1.0</u> Light grey to brown, moist, Concrete , Some fine to coarse sand with some fine to medium gravel, loose. <u>1.0 - 1.7</u> Dark brown to black, moist, Fill , Silt fines with some fine and coarse sands with few medium gravels, dense loose when disturbed, with brick pieces.	0.0	NA	No	
-4	4							
-5.5	5.5	S2	1.8	<u>0.0 - 1.8</u> Brown, moist, Siltyclay , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard.	0.0	NA	No	
-7	7							
-9	9	S3	2.2	<u>0.0 - 2.2</u> As above.	0.0	NA	No	
-10	10							
		S4	0.7	<u>0.0 - 0.7</u> As above.	0.0	NA	No	
-11	11							
-13	13	S5		Refusal @ 11.0 fbgs most likely due to top of rock.				
-15	15							

Project Name:	3773 Lakeshore Rd. SB - 18 investigation	BORING NUMBER:	Area C - B12
Project Number:	0109 - 001 - 103	Abandonment Method:	☐ Pressure Tremie ☒ Soil Cuttings
Client:	Harter Secrest	Start Date:	02/29/08
Drilling Company:	Trec Environmental	End Date:	02/29/08
Driller:	Jim Ager	Logged By:	TAB
Helper:	Chris	Drilling Method:	Direct push
Rig Type:	Geoprobe	Weather:	Low 30's, wind 5 - 10 mph light snow.

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 - Visual/Manual Procedure) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% 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)	Remarks
0	0							
-2	2	S1	1.8	<u>0.0 - 0.5</u> Black, moist, <u>Asphalt</u> , Some fine to coarse sand with some fine to medium gravel, loose. <u>0.5 - 1.8</u> Dark brown, moist, <u>Fill</u> , Silt fines with some fine and coarse sands with few medium gravels, dense loose when disturbed, with blue slag pieces.	0.0	NA	No	
-4	4							
-6	6	S2	1.5	<u>0.0 - 1.5</u> Black to Dark grey, moist, <u>Siltyclay</u> , with some sand and gravel medium soft, slight odor.	13.5	NA	No	
-8	8							
-10	10	S3	3.0	<u>0.0 - 3.0</u> Brown, moist, <u>Siltyclay</u> , with some sand and little coarse gravel (shale pieces), mechanically fissured, hard, paint odor.	27.8	NA	No	
-11	11							
-12	12	S4	2.0	<u>0.0 - 2.0</u> As above.	18.8	NA	No	
-14.6	14.6							
-16.6	16.6	S5		Refusal @ 14.6 fbgs most likely due to top of rock.				
-18.6	18.6							

ATTACHMENT 2

Laboratory Analytical Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-2044

Project#: NY4A9217
Site Name: Benchmark
Task: Benchmark - 3773 Lakeshore Rd. site

Mr. Nate Munley
Benchmark Environmental
726 Exchange St. Ste 624
Buffalo, NY 14210

TestAmerica Laboratories Inc.



Brian J. Fischer
Project Manager

03/14/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8204401	GW-1	WATER	02/29/2008	08:45	02/29/2008	18:15
A8204404	SB18-B11 (10-11)	SOIL	02/29/2008	15:15	02/29/2008	18:15
A8204405	SB18-B12 (8-11)	SOIL	02/29/2008	15:48	02/29/2008	18:15
A8204402	SB18-B4 (4-6)	SOIL	02/29/2008	11:00	02/29/2008	18:15
A8204403	SB18-B5 (4-6)	SOIL	02/29/2008	11:35	02/29/2008	18:15

METHODS SUMMARY

Job#: A08-2044Project#: NY4A9217
Site Name: Benchmark

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-2044Project#: NY4A9217
Site Name: BenchmarkGeneral 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

A08-2044

Sample Cooler(s) were received at the following temperature(s); 5.2 °C
All samples were received in good condition.

GC/MS Volatile Data

The recovery of the Surrogate Toluene-D8 in Method 8260 for sample SB18-B5(4-6) was below control limits. The sample was reanalyzed at a dilution with the Surrogate now recovered within control limits.

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.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
SB18-B5(4-6)	A8204403DL	8260	4.00	008
SB18-B12(8-11)	A8204405DL	8260	10.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



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.

G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit

* 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.

Client ID Job No Sample Date		SB18-B11(10-11) A08-2044 02/29/2008		SB18-B12(8-11) A08-2044 02/29/2008		SB18-B12(8-11) A08-2044 02/29/2008		SB18-B4(4-6) A08-2044 02/29/2008	
Lab ID		A8204404		A8204405		A8204405DL		A8204402	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	34	27	22 J	25	ND	6200	42	27
Benzene	UG/KG	ND	5	2 J	5	ND	1200	ND	5
Bromodichloromethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
Bromoform	UG/KG	ND	5	ND	5	ND	1200	ND	5
Bromomethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
2-Butanone	UG/KG	ND	27	13 J	25	ND	6200	8 J	27
Carbon Disulfide	UG/KG	ND	5	6	5	ND	1200	1 J	5
Carbon Tetrachloride	UG/KG	ND	5	ND	5	ND	1200	ND	5
Chlorobenzene	UG/KG	ND	5	ND	5	ND	1200	ND	5
Chloroethane	UG/KG	ND	5	ND	5	ND	1200	17	5
Chloroform	UG/KG	ND	5	ND	5	ND	1200	ND	5
Chloromethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
Cyclohexane	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	ND	5	ND	1200	ND	5
Dibromochloromethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
Dichlorodifluoromethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,2-Dibromoethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,2-Dichlorobenzene	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,3-Dichlorobenzene	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,4-Dichlorobenzene	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,1-Dichloroethane	UG/KG	ND	5	170	5	ND	1200	ND	5
1,2-Dichloroethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,1-Dichloroethene	UG/KG	ND	5	3 J	5	ND	1200	ND	5
cis-1,2-Dichloroethene	UG/KG	ND	5	2 J	5	ND	1200	ND	5
trans-1,2-Dichloroethene	UG/KG	ND	5	1 J	5	ND	1200	ND	5
1,2-Dichloropropane	UG/KG	ND	5	ND	5	ND	1200	ND	5
cis-1,3-Dichloropropene	UG/KG	ND	5	ND	5	ND	1200	ND	5
trans-1,3-Dichloropropene	UG/KG	ND	5	ND	5	ND	1200	ND	5
Ethylbenzene	UG/KG	ND	5	ND	5	ND	1200	6	5
2-Hexanone	UG/KG	ND	27	ND	25	ND	6200	ND	27
Isopropylbenzene	UG/KG	ND	5	ND	5	ND	1200	1 J	5
Methyl acetate	UG/KG	ND	5	ND	5	ND	1200	ND	5
Methylene chloride	UG/KG	33 B	5	23	5	ND	1200	15	5
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	ND	5	ND	1200	ND	5
4-Methyl-2-pentanone	UG/KG	ND	27	ND	25	ND	6200	ND	27
Methylcyclohexane	UG/KG	ND	5	ND	5	ND	1200	6	5
Styrene	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	ND	5	ND	1200	ND	5
Tetrachloroethene	UG/KG	ND	5	2 J	5	ND	1200	1 J	5
Toluene	UG/KG	3 J	5	1200 E	5	8400 D	1200	52	5
1,2,4-Trichlorobenzene	UG/KG	ND	5	ND	5	ND	1200	ND	5
1,1,1-Trichloroethane	UG/KG	ND	5	620 E	5	1800 D	1200	ND	5
1,1,2-Trichloroethane	UG/KG	ND	5	5	5	ND	1200	ND	5

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Client ID Job No Sample Date		Lab ID		SB18-B11(10-11) A08-2044 02/29/2008		A8204404		SB18-B12(8-11) A08-2044 02/29/2008		A8204405		SB18-B12(8-11) A08-2044 02/29/2008		A8204405DL		SB18-B4(4-6) A08-2044 02/29/2008		A8204402	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	ND	5	ND	5	ND	1200	ND	5	ND	1200	ND	5	ND	5	ND	5
Trichloroethene	UG/KG	ND	5	ND	5	ND	5	ND	1200	ND	5	ND	1200	ND	5	ND	5	ND	5
Trichlorofluoromethane	UG/KG	ND	5	ND	5	ND	5	ND	1200	ND	5	ND	1200	ND	5	ND	5	ND	5
Vinyl chloride	UG/KG	ND	11	ND	10	ND	10	ND	2500	ND	11	ND	2500	ND	11	ND	11	ND	11
Total Xylenes	UG/KG	ND	16	5 J	15	ND	15	ND	3700	56	16	ND	3700	56	16	ND	16	ND	16
IS/SURROGATE(S)																			
Chlorobenzene-D5	%	106	50-200	103	50-200	82	50-200	94	50-200	94	50-200	94	50-200	94	50-200	94	50-200	94	50-200
1,4-Difluorobenzene	%	103	50-200	99	50-200	75	50-200	91	50-200	91	50-200	91	50-200	91	50-200	91	50-200	91	50-200
1,4-Dichlorobenzene-D4	%	103	50-200	101	50-200	83	50-200	98	50-200	98	50-200	98	50-200	98	50-200	98	50-200	98	50-200
Toluene-D8	%	111	71-125	110	71-125	124	71-125	114	10-190	114	71-125	114	10-190	114	71-125	114	71-125	114	71-125
p-Bromofluorobenzene	%	107	72-126	105	72-126	136	72-126	108	10-190	108	72-126	108	10-190	108	72-126	108	72-126	108	72-126
1,2-Dichloroethane-D4	%	93	61-136	94	61-136	176	61-136	93	10-190	93	61-136	93	10-190	93	61-136	93	61-136	93	61-136

Date: 03/14/2008
Time: 14:37:44

Benchmark
Benchmark - 3773 Lakeshore Rd. site
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date		SB18-B5(4-6) A08-2044 02/29/2008		SB18-B5(4-6) A08-2044 02/29/2008					
Lab ID		A8204403		A8204403DL					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	58	27	ND	3000	NA		NA	
Benzene	UG/KG	9	5	ND	600	NA		NA	
Bromodichloromethane	UG/KG	ND	5	ND	600	NA		NA	
Bromoform	UG/KG	ND	5	ND	600	NA		NA	
Bromomethane	UG/KG	ND	5	ND	600	NA		NA	
2-Butanone	UG/KG	18 J	27	ND	3000	NA		NA	
Carbon Disulfide	UG/KG	2 J	5	ND	600	NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	ND	600	NA		NA	
Chlorobenzene	UG/KG	ND	5	ND	600	NA		NA	
Chloroethane	UG/KG	ND	5	ND	600	NA		NA	
Chloroform	UG/KG	ND	5	ND	600	NA		NA	
Chloromethane	UG/KG	ND	5	ND	600	NA		NA	
Cyclohexane	UG/KG	ND	5	ND	600	NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	ND	600	NA		NA	
Dibromochloromethane	UG/KG	ND	5	ND	600	NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	ND	600	NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	ND	600	NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	ND	600	NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	ND	600	NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	ND	600	NA		NA	
1,1-Dichloroethane	UG/KG	190	5	ND	600	NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	ND	600	NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	ND	600	NA		NA	
cis-1,2-Dichloroethene	UG/KG	2 J	5	ND	600	NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	ND	600	NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	ND	600	NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	ND	600	NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	ND	600	NA		NA	
Ethylbenzene	UG/KG	37	5	ND	600	NA		NA	
2-Hexanone	UG/KG	ND	27	ND	3000	NA		NA	
Isopropylbenzene	UG/KG	2 J	5	ND	600	NA		NA	
Methyl acetate	UG/KG	ND	5	ND	600	NA		NA	
Methylene chloride	UG/KG	13	5	ND	600	NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	ND	600	NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	27	ND	3000	NA		NA	
Methylcyclohexane	UG/KG	4 J	5	ND	600	NA		NA	
Styrene	UG/KG	ND	5	ND	600	NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	ND	600	NA		NA	
Tetrachloroethene	UG/KG	14	5	ND	600	NA		NA	
Toluene	UG/KG	3800 E	5	42000 D	600	NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	ND	600	NA		NA	
1,1,1-Trichloroethane	UG/KG	240 E	5	ND	600	NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	ND	600	NA		NA	

NA = Not Applicable ND = Not Detected

TestAmerica Lab

10/32

Client ID		SB18-B5(4-6)		SB18-B5(4-6)					
Job No		A08-2044		A08-2044					
Sample Date		02/29/2008		02/29/2008					
Lab ID		A8204403		A8204403DL					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	ND	600	NA		NA	
Trichloroethene	UG/KG	24	5	ND	600	NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	ND	600	NA		NA	
Vinyl chloride	UG/KG	ND	11	ND	1200	NA		NA	
Total Xylenes	UG/KG	150	16	ND	1800	NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	118	50-200	95	50-200	NA		NA	
1,4-Difluorobenzene	%	97	50-200	100	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	108	50-200	96	50-200	NA		NA	
Toluene-D8	%	56 *	71-125	139	10-190	NA		NA	
p-Bromofluorobenzene	%	97	72-126	122	10-190	NA		NA	
1,2-Dichloroethane-D4	%	92	61-136	132	10-190	NA		NA	

Date: 03/14/2008
Time: 14:37:44

Benchmark
Benchmark - 3773 Lakeshore Rd. site
TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE

Rept: AN0326

Client ID Job No Sample Date		Lab ID		GW-1 A08-2044 02/29/2008		A8204401					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA		NA	
Benzene	UG/L	ND	1.0	NA		NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA		NA	
Chlorobenzene	UG/L	ND	1.0	NA		NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	NA		NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA		NA	
Tetrachloroethene	UG/L	ND	1.0	NA		NA		NA		NA	
Toluene	UG/L	ND	1.0	NA		NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA		NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA		NA	

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Client ID		GW-1							
Job No		A08-2044		A8204401					
Sample Date		02/29/2008							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	104	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	108	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	94	50-200	NA		NA		NA	
Toluene-D8	%	93	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	74	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	85	66-137	NA		NA		NA	

Chronology and QC Summary Package

Date: 03/14/2008
Time: 14:38:09

Benchmark
Benchmark - 3773 Lakeshore Rd. site
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date		ML VBLK 3/12 A08-2044 A8B1163408		VBLK48 A08-2044 A8B1141802		VBLK49 A08-2044 A8B1146702		vblk 3/12 A08-2044 A8B1166204	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	530	ND	25	ND	25	ND	530
Benzene	UG/KG	ND	100	ND	5	ND	5	ND	100
Bromodichloromethane	UG/KG	ND	100	ND	5	ND	5	ND	100
Bromoform	UG/KG	ND	100	ND	5	ND	5	ND	100
Bromomethane	UG/KG	ND	100	ND	5	ND	5	ND	100
2-Butanone	UG/KG	ND	530	ND	25	ND	25	ND	530
Carbon Disulfide	UG/KG	ND	100	ND	5	ND	5	ND	100
Carbon Tetrachloride	UG/KG	ND	100	ND	5	ND	5	ND	100
Chlorobenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
Chloroethane	UG/KG	ND	100	ND	5	ND	5	ND	100
Chloroform	UG/KG	ND	100	ND	5	ND	5	ND	100
Chloromethane	UG/KG	ND	100	ND	5	ND	5	ND	100
Cyclohexane	UG/KG	ND	100	ND	5	ND	5	ND	100
1,2-Dibromo-3-chloropropane	UG/KG	ND	100	ND	5	ND	5	ND	100
Dibromochloromethane	UG/KG	ND	100	ND	5	ND	5	ND	100
Dichlorodifluoromethane	UG/KG	ND	100	ND	5	ND	5	ND	100
1,2-Dibromoethane	UG/KG	ND	100	ND	5	ND	5	ND	100
1,2-Dichlorobenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,3-Dichlorobenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,4-Dichlorobenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,1-Dichloroethane	UG/KG	ND	100	ND	5	ND	5	ND	100
1,2-Dichloroethane	UG/KG	ND	100	ND	5	ND	5	ND	100
1,1-Dichloroethene	UG/KG	ND	100	ND	5	ND	5	ND	100
cis-1,2-Dichloroethene	UG/KG	ND	100	ND	5	ND	5	ND	100
trans-1,2-Dichloroethene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,2-Dichloropropane	UG/KG	ND	100	ND	5	ND	5	ND	100
cis-1,3-Dichloropropene	UG/KG	ND	100	ND	5	ND	5	ND	100
trans-1,3-Dichloropropene	UG/KG	ND	100	ND	5	ND	5	ND	100
Ethylbenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
2-Hexanone	UG/KG	ND	530	ND	25	ND	25	ND	530
Isopropylbenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
Methyl acetate	UG/KG	ND	100	ND	5	ND	5	ND	100
Methylene chloride	UG/KG	ND	100	ND	5	2 J	5	ND	100
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	100	ND	5		5	ND	100
4-Methyl-2-pentanone	UG/KG	ND	530	ND	25	ND	25	ND	530
Methylcyclohexane	UG/KG	ND	100	ND	5	ND	5	ND	100
Styrene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,1,2,2-Tetrachloroethane	UG/KG	ND	100	ND	5	ND	5	ND	100
Tetrachloroethene	UG/KG	ND	100	ND	5	ND	5	ND	100
Toluene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,2,4-Trichlorobenzene	UG/KG	ND	100	ND	5	ND	5	ND	100
1,1,1-Trichloroethane	UG/KG	ND	100	ND	5	ND	5	ND	100
1,1,2-Trichloroethane	UG/KG	ND	100	ND	5	ND	5	ND	100

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Client ID Job No Sample Date		ML VBLK 3/12 A08-2044A8B1163408		VBLK48 A08-2044A8B1141802		VBLK49 A08-2044A8B1146702		vblk 3/12 A08-2044A8B1166204	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	100	ND	5	ND	5	ND	100
Trichloroethene	UG/KG	ND	100	ND	5	ND	5	ND	100
Trichlorofluoromethane	UG/KG	ND	100	ND	5	ND	5	ND	100
Vinyl chloride	UG/KG	ND	210	ND	10	ND	10	ND	210
Total Xylenes	UG/KG	ND	320	ND	15	ND	15	ND	320
IS/SURROGATE(S)									
Chlorobenzene-D5	%	89	50-200	96	50-200	107	50-200	93	50-200
1,4-Difluorobenzene	%	88	50-200	97	50-200	107	50-200	95	50-200
1,4-Dichlorobenzene-D4	%	88	50-200	96	50-200	104	50-200	100	50-200
1,2-Dichloroethane-D4	%	112	10-190	88	61-136	89	61-136	142	10-190
Toluene-D8	%	102	10-190	112	71-125	108	71-125	131	10-190
p-Bromofluorobenzene	%	99	10-190	104	72-126	102	72-126	135	10-190

Date: 03/14/2008
Time: 14:38:09

Benchmark
Benchmark - 3773 Lakeshore Rd. site
TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE

Rept: AN0326

Client ID Job No Sample Date		VBLK64 A08-2044 A8B1170602							
Lab ID									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA	
Benzene	UG/L	ND	1.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	1.0	NA		NA		NA	
Toluene	UG/L	ND	1.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	

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Client ID		VBLK64							
Job No		A08-2044		A8B1170602					
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	104	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	107	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	92	50-200	NA		NA		NA	
Toluene-D8	%	95	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	76	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	88	66-137	NA		NA		NA	

Client ID Job No Sample Date		ML MSB 3/12 A08-2044A8B1163407		MSB48 A08-2044A8B1141801		MSB49 A08-2044A8B1146701		msb 3/12 A08-2044A8B1166203	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	560	170	25	180	25	ND	560
Benzene	UG/KG	2900	110	52	5	50	5	3400	110
Bromodichloromethane	UG/KG	ND	110	49	5	47	5	ND	110
Bromoform	UG/KG	ND	110	38	5	38	5	ND	110
Bromomethane	UG/KG	ND	110	70	5	60	5	ND	110
2-Butanone	UG/KG	ND	560	160	25	180	25	ND	560
Carbon Disulfide	UG/KG	ND	110	55	5	52	5	ND	110
Carbon Tetrachloride	UG/KG	ND	110	53	5	52	5	ND	110
Chlorobenzene	UG/KG	2800	110	49	5	47	5	3200	110
Chloroethane	UG/KG	ND	110	80	5	73	5	ND	110
Chloroform	UG/KG	ND	110	49	5	48	5	ND	110
Chloromethane	UG/KG	ND	110	56	5	52	5	ND	110
Cyclohexane	UG/KG	ND	110	56	5	55	5	ND	110
1,2-Dibromo-3-chloropropane	UG/KG	ND	110	30	5	35	5	ND	110
Dibromochloromethane	UG/KG	ND	110	45	5	43	5	ND	110
Dichlorodifluoromethane	UG/KG	ND	110	66	5	60	5	ND	110
1,2-Dibromoethane	UG/KG	ND	110	40	5	40	5	ND	110
1,2-Dichlorobenzene	UG/KG	ND	110	50	5	49	5	ND	110
1,3-Dichlorobenzene	UG/KG	ND	110	52	5	51	5	ND	110
1,4-Dichlorobenzene	UG/KG	ND	110	52	5	51	5	ND	110
1,1-Dichloroethane	UG/KG	ND	110	52	5	51	5	ND	110
1,2-Dichloroethane	UG/KG	ND	110	44	5	43	5	ND	110
1,1-Dichloroethene	UG/KG	3300	110	60	5	54	5	3100	110
cis-1,2-Dichloroethene	UG/KG	ND	110	51	5	49	5	ND	110
trans-1,2-Dichloroethene	UG/KG	ND	110	52	5	51	5	ND	110
1,2-Dichloropropane	UG/KG	ND	110	49	5	47	5	ND	110
cis-1,3-Dichloropropene	UG/KG	ND	110	49	5	47	5	ND	110
trans-1,3-Dichloropropene	UG/KG	ND	110	45	5	45	5	ND	110
Ethylbenzene	UG/KG	ND	110	52	5	52	5	ND	110
2-Hexanone	UG/KG	ND	560	160	25	190	25	ND	560
Isopropylbenzene	UG/KG	ND	110	50	5	50	5	ND	110
Methyl acetate	UG/KG	ND	110	36	5	41	5	ND	110
Methylene chloride	UG/KG	ND	110	44	5	42 B	5	ND	110
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	110	46	5	46	5	ND	110
4-Methyl-2-pentanone	UG/KG	ND	560	180	25	190	25	ND	560
Methylcyclohexane	UG/KG	ND	110	56	5	56	5	ND	110
Styrene	UG/KG	ND	110	50	5	49	5	ND	110
1,1,2,2-Tetrachloroethane	UG/KG	ND	110	40	5	42	5	ND	110
Tetrachloroethene	UG/KG	ND	110	53	5	53	5	ND	110
Toluene	UG/KG	2900	110	51	5	51	5	3400	110
1,2,4-Trichlorobenzene	UG/KG	ND	110	49	5	50	5	ND	110
1,1,1-Trichloroethane	UG/KG	ND	110	53	5	53	5	ND	110
1,1,2-Trichloroethane	UG/KG	ND	110	43	5	42	5	ND	110

Client ID Job No Sample Date		ML MSB 3/12 A08-2044A8B1163407		MSB48 A08-2044A8B1141801		MSB49 A08-2044A8B1146701		msb 3/12 A08-2044A8B1166203	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	110	57	5	54	5	ND	110
Trichloroethene	UG/KG	3000	110	52	5	51	5	3500	110
Trichlorofluoromethane	UG/KG	ND	110	60	5	57	5	ND	110
Vinyl chloride	UG/KG	ND	220	58	10	54	10	ND	220
Total Xylenes	UG/KG	ND	340	150	15	150	15	ND	340
IS/SURROGATE(S)									
Chlorobenzene-D5	%	90	50-200	99	50-200	107	50-200	95	50-200
1,4-Difluorobenzene	%	92	50-200	97	50-200	107	50-200	105	50-200
1,4-Dichlorobenzene-D4	%	89	50-200	102	50-200	104	50-200	94	50-200
1,2-Dichloroethane-D4	%	107	10-190	93	61-136	92	61-136	142	10-190
Toluene-D8	%	99	10-190	112	71-125	109	71-125	146	10-190
p-Bromofluorobenzene	%	98	10-190	105	72-126	101	72-126	128	10-190

Date: 03/14/2008
Time: 14:38:09

Benchmark
Benchmark - 3773 Lakeshore Rd. site
TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE

Rept: AN0326

Client ID Job No Sample Date		MSB64 A08-2044 A8B1170601							
Lab ID									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA	
Benzene	UG/L	25	1.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA	
Chlorobenzene	UG/L	23	1.0	NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	26	1.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	1.0	NA		NA		NA	
Toluene	UG/L	24	1.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	

Client ID		MSB64							
Job No		A08-2044		A8B1170601					
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	25	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	108	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	108	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	99	50-200	NA		NA		NA	
Toluene-D8	%	93	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	76	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	88	66-137	NA		NA		NA	

Client Sample ID: ML VBLK 3/12

ML MSB 3/12

Lab Sample ID: A8B1163408

A8B1163407

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
Benzene	UG/KG	2930	2815	104	10-190
Toluene	UG/KG	2907	2815	103	10-190
Chlorobenzene	UG/KG	2799	2815	99	10-190
Trichloroethene	UG/KG	3042	2815	108	10-190
1,1-Dichloroethene	UG/KG	3274	2815	116	10-190

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK48MSB48

Lab Sample ID: A8B1141802A8B1141801

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	60.0	50.0	120	65-146
Trichloroethene	UG/KG	51.6	50.0	103	74-127
Benzene	UG/KG	51.8	50.0	104	74-128
Toluene	UG/KG	50.7	50.0	101	74-123
Chlorobenzene	UG/KG	49.0	50.0	98	76-124

Client Sample ID: VBLK49MSB49

Lab Sample ID: A8B1146702A8B1146701

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	53.6	50.0	107	65-146
Trichloroethene	UG/KG	51.4	50.0	103	74-127
Benzene	UG/KG	50.0	50.0	100	74-128
Toluene	UG/KG	50.9	50.0	102	74-123
Chlorobenzene	UG/KG	47.2	50.0	94	76-124

Client Sample ID: VBLK64MSB64

Lab Sample ID: A8B1170602A8B1170601

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE					
1,1-Dichloroethene	UG/L	26.0	25.0	104	65-142
Trichloroethene	UG/L	24.7	25.0	99	71-120
Benzene	UG/L	25.2	25.0	101	67-126
Toluene	UG/L	24.2	25.0	97	69-120
Chlorobenzene	UG/L	23.4	25.0	94	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: vblk 3/12msb 3/12

Lab Sample ID: A8B1166204A8B1166203

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
Benzene	UG/KG	3376	2815	120	10-190
Toluene	UG/KG	3420	2815	121	10-190
Chlorobenzene	UG/KG	3240	2815	115	10-190
Trichloroethene	UG/KG	3519	2815	125	10-190
1,1-Dichloroethene	UG/KG	3129	2815	111	10-190

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	GW-1 A08-2044 A8204401	SB18-B11(10-11) A08-2044 A8204404	SB18-B12(8-11) A08-2044 A8204405	SB18-B12(8-11) A08-2044 A8204405DL	SB18-B4(4-6) A08-2044 A8204402
Sample Date		02/29/2008 15:15	02/29/2008 15:48	02/29/2008 15:48	02/29/2008 11:00
Received Date		02/29/2008 18:15	02/29/2008 18:15	02/29/2008 18:15	02/29/2008 18:15
Extraction Date					
Analysis Date		03/07/2008 23:22	03/07/2008 02:40	03/12/2008 19:18	03/07/2008 01:24
Extraction HT Met?	NA	-	-	-	-
Analytical HT Met?		YES	YES	YES	YES
Sample Matrix		SOIL LOW	SOIL LOW	SOIL MED	SOIL LOW
Dilution Factor		1.0	1.0	10.0	1.0
Sample wt/vol		5.18 GRAMS	5.4 GRAMS	4.31 GRAMS	5.36 GRAMS
% Dry		90.52	94.01	94.01	85.41

TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE

Client Sample ID Job No & Lab Sample ID	GW-1 A08-2044 A8204401	SB18-B11(10-11) A08-2044 A8204404	SB18-B12(8-11) A08-2044 A8204405	SB18-B12(8-11) A08-2044 A8204405DL	SB18-B4(4-6) A08-2044 A8204402
Sample Date	02/29/2008 08:45				
Received Date	02/29/2008 18:15				
Extraction Date					
Analysis Date	03/14/2008 00:08				
Extraction HT Met?	-	NA	NA	NA	NA
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	SB18-B5(4-6) A08-2044 A8204403	SB18-B5(4-6) A08-2044 A8204403DL			
Sample Date	02/29/2008 11:35	02/29/2008 11:35			
Received Date	02/29/2008 18:15	02/29/2008 18:15			
Extraction Date					
Analysis Date	03/07/2008 01:49	03/13/2008 04:42			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	SOIL LOW	SOIL MED			
Dilution Factor	1.0	4.0			
Sample wt/vol	5.49 GRAMS	4.01 GRAMS			
% Dry	83.52	83.52			

29/32

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	ML MSB 3/12 A08-2044 A8B1163407	MSB48 A08-2044 A8B1141801	MSB49 A08-2044 A8B1146701	MSB64 A08-2044 A8B1170601	msb 3/12 A08-2044 A8B1166203
Sample Date					
Received Date					
Extraction Date					
Analysis Date	03/12/2008 11:43	03/06/2008 22:17	03/07/2008 22:23		03/12/2008 23:32
Extraction HT Met?	-	-	-	NA	-
Analytical HT Met?	-	-	-		-
Sample Matrix	SOIL MED	SOIL LOW	SOIL LOW		SOIL MED
Dilution Factor	1.0	1.0	1.0		1.0
Sample wt/vol	4.44 GRAMS	5.0 GRAMS	5.0 GRAMS		4.44 GRAMS
% Dry	100.00	100.00	100.00		100.00

TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE

Client Sample ID Job No & Lab Sample ID	ML MSB 3/12 A08-2044 A8B1163407	MSB48 A08-2044 A8B1141801	MSB49 A08-2044 A8B1146701	MSB64 A08-2044 A8B1170601	msb 3/12 A08-2044 A8B1166203
Sample Date					
Received Date					
Extraction Date					
Analysis Date				03/13/2008 21:30	
Extraction HT Met?	NA	NA	NA	-	NA
Analytical HT Met?				-	
Sample Matrix				WATER	
Dilution Factor				1.0	
Sample wt/vol				0.005 LITERS	
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	ML VBLK 3/12 A08-2044 A8B1163408	VBLK48 A08-2044 A8B1141802	VBLK49 A08-2044 A8B1146702	VBLK64 A08-2044 A8B1170602	vblk 3/12 A08-2044 A8B1166204
Sample Date					
Received Date					
Extraction Date					
Analysis Date	03/12/2008 12:09	03/06/2008 22:43	03/07/2008 22:48		03/12/2008 23:58
Extraction HT Met?	-	-	-	NA	-
Analytical HT Met?	-	-	-		-
Sample Matrix	SOIL MED	SOIL LOW	SOIL LOW		SOIL MED
Dilution Factor	1.0	1.0	1.0		1.0
Sample wt/vol	4.75 GRAMS	5.0 GRAMS	5.0 GRAMS		4.75 GRAMS
% Dry	100.00	100.00	100.00		100.00

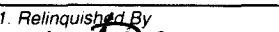
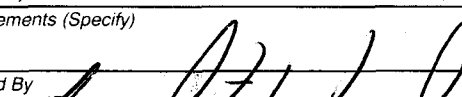
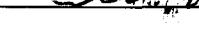
TCL VOAS(4.2)-SW8463 8260 - 5 ML PURGE

Client Sample ID Job No & Lab Sample ID	ML VBLK 3/12 A08-2044 A8B1163408	VBLK48 A08-2044 A8B1141802	VBLK49 A08-2044 A8B1146702	VBLK64 A08-2044 A8B1170602	vblk 3/12 A08-2044 A8B1166204
Sample Date					
Received Date					
Extraction Date					
Analysis Date				03/13/2008 21:54	
Extraction HT Met?	NA	NA	NA	-	NA
Analytical HT Met?				-	
Sample Matrix				WATER	
Dilution Factor				1.0	
Sample wt/vol				0.005 LITERS	
% Dry					

TAL-4142 (0907)

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	☐ Return To Client	☐ Disposal By Lab	☐ Archive For _____ Months	
Turn Around Time Required					QC Requirements (Specify)			
☐ 24 Hours	☐ 48 Hours	☐ 7 Days	☐ 14 Days	☐ 21 Days	☒ Other <u>STD</u>			
1. Relinquished By 		Date	Time	1. Received By 		Date	Time	
		2/29/08	18:15			2-29-08	18:15	
2. Relinquished By		Date	Time	2. Received By		Date	Time	
			18:15					
3. Relinquished By		Date	Time	3. Received By 		Date	Time	

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5.2⁰⁰

32/32

APPENDIX B

GROUNDWATER INVESTIGATION INFORMATION

SOIL BORING/MONITORING WELL INSTALLATION LOGS GROUNDWATER FIELD FORMS EQUIPMENT CALIBRATION LOGS

Borehole Number: MW-C1



BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Logged By: TAB

Checked By: BCH

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
-1.0									
	0.0	Ground Surface							
	0.0 -0.5	Asphalt							
	0.5	Fill Reddish brown and black, moist, fill, non-plastic fines with some fine sand, very dense, slag pieces and cinders.	1	46	1.0		0.0		
	-2.0								
	2.0	Silty Clay Dark grey, moist, silty clay with some fine sand, few coarse sand, little fine gravel, trace subangular coarse gravel, massive, very stiff, medium plasticity.	2	19	0.2		0.0		
	-4.0								
4.0	4.0	As above, with few fine sand, hard, low plasticity.							
			3	36	1.7		0.0		
			4	39	2.0		0.0		
	-8.0								
	8.0	As above, some fine sand, few fine gravel and coarse sand, little coarse gravel (angular shale fragments).							
			5	39	2.0		0.0		
9.0									
	-10.0	No Recovery.							
	10.0								
			6	45	0.0		0.0		
	-12.0								
	12.0	As above (8.0 fbgs to 10.0 fbgs).							
			7	40	1.5		0.0		
	-13.5								
	13.5	Hamilton Group, Skaneateles Formation, Levanna Shale Black, shale, laminated, moderate to strong, fresh with slight decomposition along bedding plane joints, moderately fractured, recovery 99%, RQD 63% = fair, petroliferous odor when fresh fracturing occurs, Augers seated at 14.0 feet for to facilitate well installation.							
14.0									
19.0			Run #1	NA	9'11"				

Hole Size: 8.5-inch/ 4-inch
Stick-up: Flush Mount
Datum: Mean sea level

Sheet: 1 of 2

Project No: 0109-001-104

Borehole Number: MW-C1

Project: RI/FS/IRM

Client: Harter Secrest + Emery

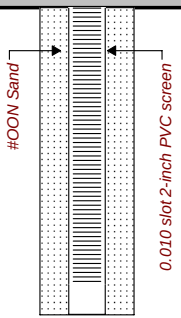
Logged By: TAB

Site Location: 3773 Lake Shore Road Site

Checked By: BCH



Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
24.0	-24.0 24.0 24.5	Reamed additional 0.5 feet into shale to facilitate well installation.							
	24.5	End of Borehole							
29.0									
34.0									
39.0									

Drilled By: Earth Dimensions, Inc.

Drill Rig Type: Morooka (Dietrich D-50)

Drill Method: Continuous sampling 4 1/4-inch HSA, Bedrock Core NQ2 core barrel,
3 7/8 tri-cone roller bit

Drill Date(s): 3/18/09

Hole Size: 8.5-inch/ 4-inch

Stick-up: Flush Mount

Datum: Mean sea level

Sheet: 2 of 2

Borehole Number: MW-C2



BENCHMARK
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Logged By: TAB

Checked By: BCH

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2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE				PID VOCs		Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol				
								0 12.5 25 ppm		
-1.0										
	0.0	Ground Surface								
	0.0	Asphalt Concrete ~0.1-inch asphalt over 0.4-inch concrete.								
	-0.5									
	0.5	Fill Reddish brown and black, moist to wet, fill, non-plastic fines with some fine sand, very dense, slag pieces and yellow brick fragments.	1	14	1.0		0.0			
			2	5	1.5		0.0			
			3	16	1.8		0.0			
4.0										
	-6.0	Silty Clay Dark grey, moist, silty clay with little fine sand, few fine gravel, trace subangular coarse gravel, massive, hard, medium plasticity.	4	56	1.9		0.0			
	6.0									
	-8.0	As above, hard.	5	130	2.0		0.0			
	8.0									
9.0										
	-10.0	As above, few coarse gravel (angular shale fragments), low plasticity.	6	126	1.4		0.0			
	10.0									
			7	100 4	1.0		0.0			
	-13.5	Hamilton Group, Skaneateles Formation, Levanna Shale Black, shale, laminated, moderate to strong, fresh with slight decomposition along bedding plane joints, moderately fractured, recovery 100%, RQD 65% = fair, petroliferous odor when fresh fracturing occurs. Augers seated 14.0 feet to facilitate well installation.								
	13.5									
14.0										

Hole Size: 8.5-inch/4-inch

Stick-up: Flush Mount

Datum: Mean sea level

Sheet: 1 of 2

Drill Date(s): 3/18/09

Project No: 0109-001-104

Borehole Number: MW-C2

Project: RI/FS/IRM

Client: Harter Secrest + Emery

Logged By: TAB

Site Location: 3773 Lake Shore Road

Checked By: BCH



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2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
24.0	-24.0 24.0 24.5 24.5	Reamed additional 0.5 feet into shale to facilitate adequate well installation. End of Borehole							#00N Sand 0.010 slot 2-inch PVC screen
29.0									
34.0									
39.0									

Drilled By: Earth Dimensions, Inc.

Drill Rig Type: Morooka (Dietrich D-50)

Drill Method: Continuous sampling 4 1/4-inch HSA, Bedrock Core NQ2 core barrel
3 7/8 tri-cone roller bit ream.

Drill Date(s): 3/18/09

Hole Size: 8.5-inch/4-inch

Stick-up: Flush Mount

Datum: Mean sea level

Sheet: 2 of 2

Project No: 0109-001-104

Borehole Number: MW-C3

Project: RI/FS/IRM

Client: Harter Secrest + Emery

Logged By: TAB

Site Location: 3773 Lake Shore Road Site

Checked By: BCH



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Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
-3.0									
	0.0	Ground Surface							
	0.0	Soil/Fill Dark brown, moist, low plasticity fines with some fine sand, stiff, with rootlets and pieces orange brick and slag.	1	13	0.9		0.0		
2.0			2	13	0.1		0.0		
	-4.0								
	4.0	Silty Clay Dark grey, silty clay with little fine sand, trace (subangular coarse gravel), massive, very stiff, medium plasticity.	3	21	1.7		0.0		
	-6.0								
	6.0	As above, high plasticity, little fine gravel, hard.	4	37	1.9		0.0		
7.0									
	-8.0								
	8.0	As above, some fine sand, little fine gravel, few coarse gravel, medium plasticity.	5	56	1.1		0.0		
	-10.0								
	10.0	As above, with wet areas along angular shale fragments, petroliferous odor.	6	52	1.4		0.0		
	-12.0								
	12.0	Hamilton Group Shale Black, shale, laminated, moderate to strong, fresh with slight decomposition along bedding plane joints, moderately fractured, recovery 94%, RQD 42% = poor, petroliferous odor when fresh fracturing occurs, Seated augers ~13.0 fbgs to facilitate well installation.							
17.0									

Drilled By: Earth Dimensions, Inc.

Drill Rig Type: Morooka (Dietrich D-50)

Drill Method: Continuous sampling 4 1/4-inch HSA, Bedrock Core NQ2 core barrel

Drill Date(s): 3/18/09

Hole Size: 8.5-inch/4-inch

Stick-up: 2.5 fbgs

Datum: Mean sea level

Sheet: 1 of 2

Project No: 0109-001-104

Borehole Number: MW-C3

Project: RI/FS/IRM

Client: Harter Secrest + Emery

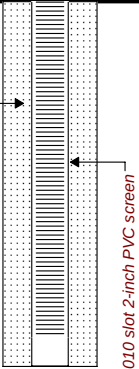
Logged By: TAB

Site Location: 3773 Lake Shore Road Site

Checked By: BCH



Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
22.0			run #1	NA	9'4"				
	-23.0 -23.5	reamed additional 0.5 feet into shael to facilitate adequate well installation.							
		End of Borehole							
27.0									
32.0									
37.0									

Drilled By: Earth Dimensions, Inc.

Drill Rig Type: Morooka (Dietrich D-50)

Drill Method: Continuous sampling 4 1/4-inch HSA, Bedrock Core NQ2 core barrel

Drill Date(s): 3/18/09

Hole Size: 8.5-inch/4-inch

Stick-up: 2.5 fbgs

Datum: Mean sea level

Sheet: 2 of 2

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 3773 Lake Shore Road

Date: 3/23/07

Project No.: 0107-001-104

Client: Haster Secret - Envy

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	900	Myron L Company Ultra Meter 6P	606987	TAB	4.00 7.00 10.01	4.01 7.00 10.01	9.0 2.0 10.0
☒ Turbidity meter	NTU	900	Hach 2100P Turbidimeter	970600014560	TAB	< 0.4 20 100 800	0.7 19.7 92.7 788	0.1 20.0 100 100
☐ Sp. Cond. meter	uS mS		Myron L Company Ultra Meter 6P	606987		_____ mS @ 25 °C		
☐ PID	ppm		MinRAE 2000			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☐ Dissolved Oxygen	ppm		YSI Model 55	05D2677				
☐ Particulate meter	mg/m ³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 3/23/05

GROUNDWATER FIELD FORM

Project Name: 377B Lake shore Road

Date: 3/23/09

Location: 3773 Lake shore Road Project No.: 109-001-107

Field Team: TAB

Well No. <u>MW-C3</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>3/23/09 944</u>			
Product Depth (fbTOR): <u>-</u>			Water Column (ft): <u>19.1</u>			DTW when sampled:			
DTW (static) (fbTOR): <u>6.56</u>			One Well Volume (gal): <u>3.11</u>			Purpose: ☒ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): <u>26.66</u>			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
1000	1 19.11	3.25	6.40	8.8	835.8	71000	-	91	Bluish green
1015	2 26.55	5.0	7.24	9.6	1192	71000	-	70	"
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
S1									
S2									

Well No. <u>MW-C2</u>			Diameter (inches): <u>2"</u>			Sample Date / Time:			
Product Depth (fbTOR): <u>-</u>			Water Column (ft): <u>20.03</u>			DTW when sampled:			
DTW (static) (fbTOR): <u>3.86</u>			One Well Volume (gal): <u>3.26</u>			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): <u>23.89</u>			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
11.01	1 18.91	3.25	9.42	7.5	833.7	71000	-	114	Bluish green
11.12	2 23.40	5.0	9.57	9.0	941.3	>1000	-	-8	"
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
S1									
S2									

REMARKS: MW-C3 = 23.91 on 3/24/09

MW-C2 = 21.54 on 3/26/09

MW-C3 = 21.98 on 3/26/09

MW-C1 = 21.69 on 3/26/09

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

GROUNDWATER FIELD FORM

Project Name: 3773 Lake Shore Road

Date: 3/23/09

Location: 3773 Lake Shore Road

Project No.: 109-001-104

Field Team: TAB

Well No. <u>MW-C2</u>			Diameter (inches): <u>2"</u>			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft): <u>19.13</u>			DTW when sampled:			
DTW (static) (fbTOR): <u>4.99</u>			One Well Volume (gal): <u>3.1</u>			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): <u>24.12</u>			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
<u>1135</u>	<u>17.75</u>	<u>3.25</u>	<u>6.31</u>	<u>9.3</u>	<u>475.1</u>	<u>21000</u>	<u>-</u>	<u>42</u>	<u>Brown silt</u>
<u>1144</u>	<u>23.47</u>	<u>4.5</u>	<u>8.18</u>	<u>11.5</u>	<u>851.3</u>	<u>21000</u>	<u>-</u>	<u>51</u>	<u>"</u>
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS: MW-C2 = 21.91 on 3/24/09
MW-C2 = 21.61 on 3/26/09

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Note: All water level measurements are in feet, distance from top of riser.

PREPARED BY: TAB

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 3773 Lakeshore Rd

Date: 4/6/09

Project No.: 109-001-104

Client: Hurter Secrest + Emery

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	9:30	Myron L Company Ultra Meter 6P	606987	PWW	4.00 7.00 10.01	3.99 7.02 10.03	4.00 OK 7.00 OK 10.00 OK
☒ Turbidity meter	NTU	9:40	Hach 2100P Turbidimeter	970600014560	PWW	< 0.4 20 100 800	.43 21.8 98.5 796	2.4 OK 20 OK 100 OK 800 OK
☒ Sp. Cond. meter	uS mS	9:30	Myron L Company Ultra Meter 6P	606987	PWW	2764 mS @ 25 °C	2764	2764 OK
☐ PID	ppm		MinRAE 2000			open air zero ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	9:45	YSI Model 55	05D2677	PWW	100%	100%	100% OK
☐ Particulate meter	mg/m ³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY:

[Signature]

DATE:

4/6/09

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 3773 Lakeshore Road

Date: 4/9/09

Project No.: 109-001-104

Client: Holzer-Secor & Emery

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	1350	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	4.00 7.00 10.01	3.96 7.05 10.1	4.0 7.0 10.0
☒ Turbidity meter	NTU	1355	Hach 2100P Turbidimeter	06120C020523 ☒ 07110C026405 ☐	TAB	< 0.4 20 100 800	0.23 19.6 96.4 791	0.1 20.0 100.0 800
☒ Sp. Cond. meter	uS mS	1358	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	1413 mS @ 25 °C	1414	1413
☐ PID	ppm		MinRAE 2000			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	1345	HACH Model HQ30d			100% Saturation	100% saturation	
☐ Particulate meter	mg/m ³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 4/9/09

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 3773 Lakeshore Road

Project No.: 105-001-104

Client: Habitat Services + Emory

Date: 4/27/09

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	845	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	4.00 7.00 10.01	4.03 7.10 10.0	4.0 7.0 10.0
☒ Turbidity meter	NTU	850	Hach 2100P Turbidimeter	06120C020523 ☒ 07110C026405 ☐	TAB	<0.4 20 100 800	.34 21.3 96.4 788	0.1 20 100 800
☒ Sp. Cond. meter	uS mS	855	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	1413 mS @ 25 °C	1413	143
☐ PID	ppm		MinRAE 2000			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	040	HACH Model HQ30d			100% Saturation	100%	saturation
☐ Particulate meter	mg/m ³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 4/27/09

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 3773 Lake Shore Road

Date: 5/15/09

Project No.: 109-001-109

Client: Hunter Seacrest & Emery

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	1450	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	4.00 7.00 10.01 < 0.4	4.08 ~~7.08~~ 7.08 10.08 0.2	4.0 2.0 10.0 0.1
☒ Turbidity meter	NTU	1455	Hach 2100P Turbidimeter	06120C020523 ☐ 07110C026405 ☒	TAB	20 100 800	17.5 94.7 762	20 100 800
☒ Sp. Cond. meter	uS mS	1458	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	_____ mS @ 25 °C		
☐ PID	ppm		MinRAE 2000			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	1445	HACH Model HQ30d		TAB	100% Saturation	100% saturation	
☐ Particulate meter	mg/m ³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 5/15/09

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 3773 Lake Shore Road

Date: 6/2/09

Project No.: 109-001-104

Client: Hatch Secret + Emery

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	845	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	4.00 7.00 10.01	4.08 7.01 10.02	4.0 7.0 10.0
☒ Turbidity meter	NTU	850	Hach 2100P Turbidimeter	06120C020523 ☒ 07110C026405 ☐	TAB	< 0.4 20 100 800	0.1 19.8 95.3 782	0.1 20 100 800
☒ Sp. Cond. meter	uS mS	848	Myron L Company Ultra Meter 6P	606987 ☐ 6212375 ☒	TAB	1413 mS @ 25 °C	1412	143
☐ PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	840	HACH Model HQ30d		TAB	100% Saturation	100% saturation	
☐ Particulate meter	mg/m ³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 6/2/09

GROUNDWATER FIELD FORM

Project Name: 3773 Lake Shore Road

Date: 4/6/09

Location: 3773 Lake Shore Road

Project No.: 109-001-104

Field Team: TAB

Well No. MW-C2		Diameter (inches): <u>2"</u>		Sample Date / Time: <u>4/6 - 6/2/09</u>							
Product Depth (ftTOR): <u>=</u>		Water Column (ft): <u>11.18</u>		DTW when sampled: <u>=</u>							
DTW (static) (ftTOR): <u>12.94</u>		One Well Volume (gal): <u>1.82</u>		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample							
Total Depth (ftTOR): <u>24.12</u>		Total Volume Purged (gal): <u>< .25</u>		Purge Method: <u>Boiled</u>							
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor		
	0 Initial										
<u>4/6</u>	<u>1515</u>	<u>1</u>	<u>12.74</u>	<u>6.25</u>	<u>7.11</u>	<u>9.5</u>	<u>488.2</u>	<u>425.0</u>	<u>4.79</u>	<u>48</u>	<u>Turb. Brn No. 0</u>
<u>4/9</u>	<u>1430</u>	<u>2</u>	<u>14.80</u>	<u>-</u>	<u>7.23</u>	<u>12.8</u>	<u>562.8</u>	<u>440</u>	<u>-</u>	<u>52</u>	<u>"</u>
<u>4/27</u>	<u>902</u>	<u>3</u>	<u>14.75</u>	<u>-</u>	<u>7.05</u>	<u>16.9</u>	<u>685.9</u>	<u>551</u>	<u>2.15</u>	<u>172</u>	<u>"</u>
<u>5/15</u>	<u>1641</u>	<u>4</u>	<u>13.98</u>	<u>-</u>	<u>7.27</u>	<u>16.8</u>	<u>1131</u>	<u>71000</u>	<u>1.97</u>	<u>-84</u>	<u>"</u>
<u>6/2</u>	<u>946</u>	<u>5</u>	<u>15.74</u>	<u>-</u>	<u>7.41</u>	<u>16.8</u>	<u>1240</u>	<u>71000</u>	<u>2.13</u>	<u>-103</u>	<u>"</u>
	6										
	7										
	8										
	9										
	10										
Sample Information:											
S1											
S2											

Sampled For:
VOC/Ink
SVOC
PCB
Pest
Heath

Well No. MW-C3		Diameter (inches): <u>2"</u>		Sample Date / Time: <u>4/6 - 6/2/09</u>							
Product Depth (ftTOR): <u>=</u>		Water Column (ft): <u>10.43</u>		DTW when sampled: <u>=</u>							
DTW (static) (ftTOR): <u>26.13</u>		One Well Volume (gal): <u>1.76</u>		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample							
Total Depth (ftTOR): <u>15.76</u>		Total Volume Purged (gal): <u>< .25</u>		Purge Method: <u>Boiled</u>							
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor		
	0 Initial										
<u>4/6</u>	<u>1500</u>	<u>1</u>	<u>18.48</u>	<u>-</u>	<u>6.05</u>	<u>8.1</u>	<u>1419</u>	<u>293</u>	<u>5.29</u>	<u>101</u>	<u>SC turb. 2</u>
<u>4/9</u>	<u>1450</u>	<u>2</u>	<u>17.71</u>	<u>-</u>	<u>6.73</u>	<u>11.0</u>	<u>1461</u>	<u>290</u>	<u>-</u>	<u>49</u>	<u>"</u>
<u>4/27</u>	<u>928</u>	<u>3</u>	<u>8.75</u>	<u>-</u>	<u>6.73</u>	<u>15.9</u>	<u>1607</u>	<u>178</u>	<u>3.08</u>	<u>75</u>	<u>"</u>
<u>5/15</u>	<u>1500</u>	<u>4</u>	<u>7.79</u>	<u>-</u>	<u>7.20</u>	<u>14.0</u>	<u>1605</u>	<u>414</u>	<u>1.84</u>	<u>-113</u>	<u>"</u>
<u>6/2</u>	<u>1500</u>	<u>5</u>	<u>8.11</u>	<u>-</u>	<u>7.21</u>	<u>12.3</u>	<u>1689</u>	<u>297</u>	<u>1.95</u>	<u>-117</u>	<u>"</u>
	6										
	7										
	8										
	9										
	10										
Sample Information:											
S1											
S2											

REMARKS: Samples were collected
over 4/6 - 6/2/09 due to slow recovery
In MW-C1, C2 + C3

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation	
Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria	
Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

GROUNDWATER FIELD FORM

Project Name: 3773 Lake Shore Road

Date: 4/6/09

Location: 3773 Lake Shore Road Project No.: 109-001-104

Field Team: TAB

Well No. MW-1			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>4/6 - 6/2/09</u>			
Product Depth (ftTOR): <u>22.96</u>			Water Column (ft): <u>2.73</u>			DTW when sampled: <u>-</u>			
DTW (static) (ftTOR): <u>22.96</u>			One Well Volume (gal): <u>.48</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (ftTOR): <u>23.89</u>			Total Volume Purged (gal): <u>< 25</u>			Purge Method: <u>Boiler</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
1520	1 20.96	<.25	7.74	9.8	1114	>1000	2.20	33	Brownish
1415	2 21.61	-	7.48	14.8	1895	>1000	-	93	"
945	3 22.11	-	7.19	20.0	3468	>1000	2.36	59	"
1416	4 22.47	-	6.92	20.9	4361	>1000	-	-18	"
910	5 22.60	-	6.89	13.4	4266	-	-	89	"
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No. GW-1			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>4/6/09 - 6/2/09</u>			
Product Depth (ftTOR): <u>-</u>			Water Column (ft): <u>21.05</u>			DTW when sampled: <u>7.72</u>			
DTW (static) (ftTOR): <u>4.75</u>			One Well Volume (gal): <u>3.43</u>			Purpose: ☐ Development ☒ Sample ☐ Purge & Sample			
Total Depth (ftTOR): <u>25.80</u>			Total Volume Purged (gal): <u>0.5</u>			Purge Method: <u>Peristaltic</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial	<.25	7.02	6.1	2341	250	3.30	-20	SL Turbid
1542	1 6.87	.25	7.12	7.7	2397	130	2.91	-96	"
1547	2 7.39	.40	7.17	8.1	2385	45.8	2.60	-111	clear / sulfur
1550	3 7.48	.50	7.20	8.0	2385	53.0	2.63	-115	"
1552	4 7.72	-	7.19	8.2	2385	40.0	2.63	-125	"
1600	5 8.71	-	7.18	8.5	2388	33.1	2.91	-114	"
1503	6 4.96	-	6.70	11.1	2360	152	-	-32	clear / sulfur
1511	7 7.00	-	6.75	10.9	2365	51.5	-	-58	"
1513	8 7.75	-	6.80	10.7	2365	37.2	-	-63	"
1515	9 8.42	-	6.71	10.9	2399	27.9	-	-53	"
1520	10 7.48	-	6.91	10.8	2359	26.8	-	-52	"
Sample Information:									
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

GROUNDWATER FIELD FORM

Project Name: 3773 Lake Shore Road

Date: 4/6/09

Location: 3773 Lake Shore Road Project No.: 109-001-101

Field Team: TAB

Well No. <u>6W-1</u>			Diameter (inches): <u>2" 4/27 5/15</u>			Sample Date / Time: <u>4/27 + 5/15</u>			
Product Depth (ftTOR): <u>5.0 / 5.15</u>			Water Column (ft): <u>18.89 / 19.07</u>			DTW when sampled: <u>—</u>			
DTW (static) (ftTOR): <u>5.0 / 4.8</u>			One Well Volume (gal): <u>3.02 / 3.11</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (ftTOR): <u>23.89</u>			Total Volume Purged (gal): <u>—</u>			Purge Method: <u>Peristaltic</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1005	0 Initial	—	6.91	17.2	2436	36.3	1.86	-21	SL Turb. & color
1010	1 7.86	0.25	6.92	14.8	2237	12.2	1.67	-110	"
1013	2 8.56	2.5	6.98	14.2	2462	14.7	2.0	-101	"
1014	3 7.28	0.50	6.74	13.2	2481	10.1	1.11	-86	"
1017	4 9.81	0.75	6.94	13.0	2489	10.4	1.18	-94	"
1525	6 5.71	2.25	7.03	16.5	2453	84.1	2.47	-116	"
1528	7 7.76	0.25	7.01	13.9	2452	37.2	2.17	-134	"
1530	8 8.88	2.50	7.01	13.5	2478	9.13	2.41	-135	"
1535	9 9.91	2.25	7.07	12.65	2450	4.48	2.20	-134	"
1537	10 10.33	1.0	7.04	15.2	2451	2.69	2.03	-127	"
Sample Information:									
S1									
S2									

Well No. <u>6W-1</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>6/2</u>			
Product Depth (ftTOR): <u>—</u>			Water Column (ft): <u>19.11</u>			DTW when sampled: <u>—</u>			
DTW (static) (ftTOR): <u>4.78</u>			One Well Volume (gal): <u>3.11</u>			Purpose: ☐ Development ☒ Sample ☐ Purge & Sample			
Total Depth (ftTOR): <u>23.89</u>			Total Volume Purged (gal): <u>—</u>			Purge Method: <u>Peristaltic</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1013	0 Initial	0.25	6.97	14.0	2342	151	2.71	-101	SL Turb. & color
1015	1 7.80	0.25	7.09	12.4	2356	14	1.87	-116	"
1018	2 8.81	2.50	7.04	12.1	2355	8	2.22	-116	"
1021	3 9.54	0.50	6.99	11.8	2358	6	2.19	-125	"
1022	4 10.34	2.75	6.98	11.7	2344	4	2.29	-116	"
1025	5 10.96	1.0	6.91	11.2	2327	3	2.47	-123	"
6									
7									
8									
9									
10									
Sample Information:									
S1									
S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: TAB

APPENDIX C

RI ANALYTICAL DATA

The RI analytical data is provided herein; however, the full analytical data packages are provided on CD.



Analytical Report

SDG Number: RSD0334

Project Description(s)

Work Order RSD0334 - Benchmark - 3773 Lakeshore Rd. site
Work Order RSD0414 - Benchmark - 3773 Lakeshore Rd. site
Work Order RSD1121 - Benchmark - 3773 Lakeshore Rd. site
Work Order RSE0607 - Benchmark - 3773 Lakeshore Rd. site
Work Order RSF0070 - Benchmark - 3773 Lakeshore Rd. site

For:

Tom Forbes

Benchmark Environmental & Engineering Science

726 Exchange Street, Suite 624

Buffalo, NY 14210

A handwritten signature in black ink, appearing to read "B. Fischer", is written over a solid black horizontal line.

Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Friday, June 26, 2009

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T10470441208-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Case Narrative

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. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Trip blank was received broken.

For method 8151, the Matrix Spike Duplicate (9F04038-MSD1) for sample GW-1 (RSF0070-04) was inadvertently not spiked in the sample preparation department.

There are pertinent documents appended to this report, 4 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8270C	4-Methylphenol	ug/L	5.0	10

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

DATA QUALIFIERS AND DEFINITIONS

D02	Dilution required due to sample matrix effects
D08	Dilution required due to high concentration of target analyte(s)
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
P10	Digestate filtered.
P23	Sample TRIP BLANK was not listed on the chain of custody, but was received.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD0334-07 - Water)						Sampled: 04/06/09 12:00		Recvd: 04/07/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Barium	0.122		0.0020	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Calcium	156		0.5	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Iron	0.427		0.050	NR	mg/L	1.00	04/13/09 15:33	AH	9D09083	6010B
Magnesium	101		0.200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Manganese	0.0234		0.0030	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Potassium	9.18		0.500	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Sodium	184		1.0	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B

Client ID: BLIND DUP (RSD0414-07 - Water)

Sampled: 04/09/09 12:00

Recvd: 04/09/09 23:58

Semivolatile Organics by GC/MS

Di-n-butyl phthalate	0.53	J	4.7	0.28	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Fluoranthene	0.28	J	4.7	0.093	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Phenanthrene	0.48	J	4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Pyrene	0.25	J	4.7	0.064	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C

Client ID: GW-1 (RSD0334-04 - Water)

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods

Barium	0.117		0.0020	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Calcium	145		0.5	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Iron	0.459		0.050	NR	mg/L	1.00	04/13/09 15:08	AH	9D09083	6010B
Magnesium	96.6		0.200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Manganese	0.0209		0.0030	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Potassium	9.19		0.500	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Sodium	190		1.0	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B

Client ID: MW-C1 (RSD0334-01 - Water)

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods

Aluminum	246	P10	0.200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Arsenic	0.0348	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Barium	0.619	P10	0.0020	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Beryllium	0.0113	P10	0.0020	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Calcium	257	P10	0.5	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Chromium	0.354	P10	0.0040	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Cobalt	0.0974	P10	0.0040	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Copper	0.164	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Iron	245	P10	0.050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Lead	0.128	P10	0.0050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Magnesium	86.2	P10	0.200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Manganese	2.51	P10	0.0030	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Nickel	0.383	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Potassium	72.0	P10	0.500	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Sodium	208	P10	1.0	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Vanadium	0.325	P10	0.0050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
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Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Client ID: MW-C1 (RSD0334-01 - Water) - cont.

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods - cont.

Zinc	0.621	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
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Volatile Organic Compounds by EPA 8260B

2-Butanone	11		5.0	1.3	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
2-Hexanone	1.9	J	5.0	1.2	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
4-Methyl-2-pentanone	2.0	J	5.0	0.91	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Acetone	27		5.0	1.3	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Benzene	1.6		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Bromodichloromethane	1.1		1.0	0.39	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Carbon disulfide	1.0		1.0	0.19	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloroform	8.9		1.0	0.34	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Cyclohexane	54		1.0	0.53	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Ethylbenzene	2.2		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methylcyclohexane	39		1.0	0.50	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Toluene	15		1.0	0.51	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Xylenes, total	48		2.0	0.66	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B

Client ID: MW-C1 (RSD0414-01 - Water)

Sampled: 04/09/09 14:15

Recvd: 04/09/09 23:58

Semivolatile Organics by GC/MS

2,4-Dimethylphenol	2.0	J	4.7	0.91	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Methylnaphthalene	3.2	J	4.7	0.078	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Methylphenol	0.61	J	4.7	0.22	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(a)anthracene	0.60	J	4.7	0.061	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(a)pyrene	0.31	J	4.7	0.086	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(b)fluoranthene	0.46	J	4.7	0.060	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(ghi)perylene	0.21	J	4.7	0.074	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(k)fluoranthene	0.34	J	4.7	0.063	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Biphenyl	0.44	J	4.7	0.062	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-ethylhexyl) phthalate	4.7		4.7	4.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Carbazole	0.33	J	4.7	0.084	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Chrysene	1.0	J	4.7	0.26	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Diethyl phthalate	0.55	J	4.7	0.10	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Di-n-butyl phthalate	0.45	J	4.7	0.28	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Fluoranthene	1.4	J	4.7	0.093	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Fluorene	1.1	J	4.7	0.070	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Naphthalene	0.74	J	4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Phenanthrene	2.9	J	4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C

Client ID: MW-C1 (RSD1121-01 - Water)

Sampled: 04/27/09 09:45

Recvd: 04/28/09 11:45

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	0.050	J	0.054	0.018	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
delta-BHC [2C]	0.020	J	0.054	0.011	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan II [2C]	0.023	J	0.054	0.021	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
gamma-Chlordane [2C]	0.036	J	0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Heptachlor epoxide [2C]	0.071		0.054	0.0057	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD1121-01 - Water) - cont.						Sampled: 04/27/09 09:45		Recvd: 04/28/09 11:45		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Methoxychlor [2C]	0.10		0.054	0.015	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Client ID: MW-C2 (RSD0334-02 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Aluminum	4.23		0.200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Barium	0.0193		0.0020	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Calcium	24.7		0.5	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Chromium	0.0125		0.0040	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Iron	3.69		0.050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Lead	0.0141		0.0050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Magnesium	5.06		0.200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Manganese	0.0637		0.0030	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Potassium	12.7		0.500	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Sodium	59.0		1.0	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Vanadium	0.0077		0.0050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Zinc	0.0576		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B

Volatile Organic Compounds by EPA 8260B

2-Butanone	9.7		5.0	1.3	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
4-Methyl-2-pentanone	1.3	J	5.0	0.91	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Acetone	46		5.0	1.3	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Benzene	4.0		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Bromodichloromethane	0.46	J	1.0	0.39	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloroform	2.9		1.0	0.34	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Cyclohexane	120		1.0	0.53	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Ethylbenzene	0.48	J	1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methylcyclohexane	70		1.0	0.50	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Toluene	23		1.0	0.51	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Xylenes, total	26		2.0	0.66	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B

Client ID: MW-C2 (RSD0334-02RE1 - Water)

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Volatile Organic Compounds by EPA 8260B

2-Butanone	6.9	D08,J	10	2.6	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Acetone	17	D08	10	2.7	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Benzene	4.0	D08	2.0	0.33	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Chloroform	3.0	D08	2.0	0.67	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Chloromethane	5.1	D08	2.0	0.69	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Cyclohexane	130	D08	2.0	1.1	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Methylcyclohexane	75	D08	2.0	0.99	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Toluene	23	D08	2.0	1.0	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Xylenes, total	22	D08	4.0	1.3	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B

Client ID: MW-C2 (RSD0414-02 - Water)

Sampled: 04/09/09 14:30

Recvd: 04/09/09 23:58

Semivolatile Organics by GC/MS

Anthracene	0.57	D02,J	9.4	0.11	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
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TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0414-02 - Water) - cont.						Sampled: 04/09/09 14:30		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Benzo(a)anthracene	0.49	D02,J	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(b)fluoranthene	0.66	D02,J	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Chrysene	0.79	D02,J	9.4	0.52	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Di-n-butyl phthalate	0.92	D02,J	9.4	0.56	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Fluoranthene	2.0	D02,J	9.4	0.19	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Phenanthrene	2.5	D02,J	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Pyrene	1.7	D02,J	9.4	0.13	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Client ID: MW-C2 (RSD1121-02 - Water)						Sampled: 04/27/09 09:02		Recvd: 04/28/09 11:45		
<u>Organochlorine Pesticides by EPA Method 8081A</u>										
4,4'-DDD [2C]	0.032	J	0.047	0.016	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
gamma-Chlordane [2C]	0.023	J	0.047	0.010	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Heptachlor epoxide [2C]	0.057		0.047	0.0050	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Methoxychlor [2C]	0.043	J	0.047	0.013	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Client ID: MW-C3 (RSD0334-03 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Aluminum	1.22		0.200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Barium	0.0183		0.0020	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Calcium	59.2		0.5	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Iron	1.51		0.050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Lead	0.0060		0.0050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Magnesium	34.6		0.200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Manganese	0.0567		0.0030	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Potassium	12.1		0.500	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Sodium	220		1.0	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Zinc	0.0226		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
<u>Volatile Organic Compounds by EPA 8260B</u>										
Acetone	9.5		5.0	1.3	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Bromodichloromethane	0.92	J	1.0	0.39	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloroform	4.3		1.0	0.34	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Cyclohexane	0.73	J	1.0	0.53	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methylcyclohexane	0.57	J	1.0	0.50	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Xylenes, total	2.8		2.0	0.66	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Client ID: MW-C3 (RSD0414-03 - Water)						Sampled: 04/09/09 14:50		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS</u>										
Anthracene	0.20	J	4.7	0.053	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(a)anthracene	0.24	J	4.7	0.060	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(a)pyrene	0.24	J	4.7	0.086	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Diethyl phthalate	0.30	J	4.7	0.10	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Di-n-butyl phthalate	0.83	J	4.7	0.28	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Fluoranthene	0.49	J	4.7	0.093	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Phenanthrene	0.67	J	4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0414-03 - Water) - cont.						Sampled: 04/09/09 14:50		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Pyrene	0.54	J	4.7	0.064	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Client ID: MW-C3 (RSD1121-03 - Water)						Sampled: 04/27/09 09:28		Recvd: 04/28/09 11:45		
<u>Organochlorine Pesticides by EPA Method 8081A</u>										
beta-BHC [2C]	0.024	J	0.047	0.023	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	0.038	J	0.047	0.0057	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Methoxychlor [2C]	0.061		0.047	0.013	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A

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Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
BLIND DUP	RSD0334-07	Water	04/06/09 12:00	04/07/09 10:20	P23
BLIND DUP	RSD0414-07	Water	04/09/09 12:00	04/09/09 17:15	
BLIND DUP	RSD1121-07	Water	04/27/09 12:06	04/28/09 11:45	
BLIND DUP	RSE0607-07	Water	05/15/09 12:00	05/15/09 17:15	
BLIND DUP	RSF0070-07	Water	06/02/09 12:00	06/02/09 14:35	
GW-1	RSD0334-04	Water	04/06/09	04/07/09 10:20	P23
GW-1	RSD0414-04	Water	04/09/09 15:30	04/09/09 17:15	
GW-1	RSD1121-04	Water	04/27/09 10:19	04/28/09 11:45	
GW-1	RSE0607-04	Water	05/15/09	05/15/09 17:15	
GW-1	RSF0070-04	Water	06/02/09 10:05	06/02/09 14:35	
MW-C1	RSD0334-01	Water	04/06/09	04/07/09 10:20	P23
MW-C1	RSD0414-01	Water	04/09/09 14:15	04/09/09 17:15	
MW-C1	RSD1121-01	Water	04/27/09 09:45	04/28/09 11:45	
MW-C1	RSE0607-01	Water	05/15/09	05/15/09 17:15	
MW-C1	RSF0070-01	Water	06/02/09 09:10	06/02/09 14:35	
MW-C2	RSD0334-02	Water	04/06/09	04/07/09 10:20	P23
MW-C2	RSD0414-02	Water	04/09/09 14:30	04/09/09 17:15	
MW-C2	RSD1121-02	Water	04/27/09 09:02	04/28/09 11:45	
MW-C2	RSE0607-02	Water	05/15/09	05/15/09 17:15	
MW-C2	RSF0070-02	Water	06/02/09 09:46	06/02/09 14:35	
MW-C3	RSD0334-03	Water	04/06/09	04/07/09 10:20	P23
MW-C3	RSD0414-03	Water	04/09/09 14:50	04/09/09 17:15	
MW-C3	RSD1121-03	Water	04/27/09 09:28	04/28/09 11:45	
MW-C3	RSE0607-03	Water	05/15/09	05/15/09 17:15	
MW-C3	RSF0070-03	Water	06/02/09 09:28	06/02/09 14:35	

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Client ID: BLIND DUP (RSD0334-07 - Water)						Sampled: 04/06/09 12:00		Recvd: 04/07/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Aluminum	ND		0.200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Barium	0.122		0.0020	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Calcium	156		0.5	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Iron	0.427		0.050	NR	mg/L	1.00	04/13/09 15:33	AH	9D09083	6010B
Lead	ND		0.0050	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Magnesium	101		0.200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Manganese	0.0234		0.0030	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Potassium	9.18		0.500	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Sodium	184		1.0	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:58	MM	9D09045	7470A
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethan	ND		1.0	0.21	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
e										
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-triflu	ND		1.0	0.31	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
oroethane										
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dibromo-3-chloropro	ND		1.0	1.0	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
pane										
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Bromodichloromethane	ND		1.0	0.39	ua/L	1.00	04/18/09 01:50	CDC	9D17097	8260B

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD0334-07 - Water) - cont.						Sampled: 04/06/09 12:00		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichloroethane-d4	99 %		Surr Limits: (66-137%)				04/18/09 01:50	CDC	9D17097	8260B
4-Bromofluorobenzene	108 %		Surr Limits: (73-120%)				04/18/09 01:50	CDC	9D17097	8260B
Toluene-d8	113 %		Surr Limits: (71-126%)				04/18/09 01:50	CDC	9D17097	8260B

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD0414-07 - Water)						Sampled: 04/09/09 12:00		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		4.7	0.93	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dichlorophenol	ND		4.7	0.74	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dimethylphenol	ND		4.7	0.91	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dinitrophenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND		4.7	0.48	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Chloronaphthalene	ND		4.7	0.079	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Chlorophenol	ND		4.7	0.48	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Methylnaphthalene	ND		4.7	0.077	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Methylphenol	ND		4.7	0.22	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Nitroaniline	ND		9.4	0.47	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Nitrophenol	ND		4.7	0.57	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.35	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
3-Nitroaniline	ND		9.4	1.5	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.85	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND		4.7	0.56	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Chloroaniline	ND		4.7	0.31	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.16	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Methylphenol	ND		9.4	0.55	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Nitroaniline	ND		9.4	0.43	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Acenaphthylene	ND		4.7	0.044	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Acetophenone	ND		4.7	0.96	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Anthracene	ND		4.7	0.053	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Atrazine	ND		4.7	1.0	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(a)anthracene	ND		4.7	0.060	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(a)pyrene	ND		4.7	0.086	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(b)fluoranthene	ND		4.7	0.059	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(ghi)perylene	ND		4.7	0.074	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND		4.7	0.062	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Biphenyl	ND		4.7	0.062	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.35	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.17	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		4.7	0.40	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Bis(2-ethylhexyl)phthalate	ND		4.7	4.5	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Butyl benzyl phthalate	ND		4.7	1.6	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Caprolactam	ND		4.7	4.3	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Carbazole	ND		4.7	0.084	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Chrysene	ND		4.7	0.26	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.19	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD0414-07 - Water) - cont.						Sampled: 04/09/09 12:00		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		4.7	0.092	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Diethyl phthalate	ND		4.7	0.10	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Dimethyl phthalate	ND		4.7	0.28	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Di-n-butyl phthalate	0.53	J	4.7	0.28	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Di-n-octyl phthalate	ND		4.7	0.23	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Fluoranthene	0.28	J	4.7	0.093	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Fluorene	ND		4.7	0.070	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachlorobenzene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachlorobutadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachloroethane	ND		4.7	2.7	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.14	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Isophorone	ND		4.7	0.30	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Naphthalene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Nitrobenzene	ND		4.7	0.51	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.43	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND		4.7	0.25	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Pentachlorophenol	ND		9.4	4.8	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Phenanthrene	0.48	J	4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Phenol	ND		4.7	0.42	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Pyrene	0.25	J	4.7	0.064	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4,6-Tribromophenol	97 %		Surr Limits: (52-132%)				05/04/09 15:56	MKP	9D10106	8270C
2-Fluorobiphenyl	83 %		Surr Limits: (48-120%)				05/04/09 15:56	MKP	9D10106	8270C
2-Fluorophenol	41 %		Surr Limits: (20-120%)				05/04/09 15:56	MKP	9D10106	8270C
Nitrobenzene-d5	87 %		Surr Limits: (46-120%)				05/04/09 15:56	MKP	9D10106	8270C
Phenol-d5	31 %		Surr Limits: (16-120%)				05/04/09 15:56	MKP	9D10106	8270C
p-Terphenyl-d14	85 %		Surr Limits: (24-136%)				05/04/09 15:56	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD1121-07 - Water)						Sampled: 04/27/09 12:06		Recvd: 04/28/09 11:45		
<u>Organochlorine Pesticides by EPA Method 8081A</u>										
4,4'-DDD [2C]	ND		0.047	0.016	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.047	0.0057	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
gamma-Chlordane [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND		0.047	0.0050	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Methoxychlor [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.47	0.11	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	63 %		Surr Limits: (15-139%)				04/30/09 18:54	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	93 %		Surr Limits: (30-139%)				04/30/09 18:54	DGB	9D28110	8081A

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Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSE0607-07 - Water)						Sampled: 05/15/09 12:00		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1221	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1232	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1242	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1248	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1254	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1260	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Decachlorobiphenyl	75 %	QSU	Surr Limits: (12-137%)				05/20/09 14:21	JM	9E18109	8082
Tetrachloro-m-xylene	75 %	QSU	Surr Limits: (35-121%)				05/20/09 14:21	JM	9E18109	8082

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Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSF0070-07 - Water)						Sampled: 06/02/09 12:00		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.47	0.14	ug/L	1.00	06/08/09 13:57	DGB	9F04038	8151A
2,4-D [2C]	ND		0.47	0.10	ug/L	1.00	06/08/09 13:57	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.47	0.11	ug/L	1.00	06/08/09 13:57	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	75 %		Surr Limits: (19-128%)				06/08/09 13:57	DGB	9F04038	8151A

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Project: Benchmark - 3773 Lakeshore Rd. site
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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD0334-04 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Barium	0.117		0.0020	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Calcium	145		0.5	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Iron	0.459		0.050	NR	mg/L	1.00	04/13/09 15:08	AH	9D09083	6010B
Lead	ND		0.0050	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Magnesium	96.6		0.200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Manganese	0.0209		0.0030	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Potassium	9.19		0.500	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Sodium	190		1.0	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:49	MM	9D09045	7470A
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	M7	1.0	0.31	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
2-Hexanone	ND	M7	5.0	1.2	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
4-Methyl-2-pentanone	ND	M7	5.0	0.91	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Acetone	ND	M7	5.0	1.3	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD0334-04 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND	M7	1.0	0.26	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chlorobenzene	ND	M7	1.0	0.32	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chloromethane	ND	M7	1.0	0.35	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Dichlorodifluoromethane	ND	M7	1.0	0.29	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND	M7	1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Tetrachloroethene	ND	M7	1.0	0.36	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Trichloroethene	ND	M7	1.0	0.18	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichloroethane-d4	100 %	Surr Limits: (66-137%)					04/18/09 01:26	CDC	9D17097	8260B
4-Bromofluorobenzene	108 %	Surr Limits: (73-120%)					04/18/09 01:26	CDC	9D17097	8260B
Toluene-d8	112 %	Surr Limits: (71-126%)					04/18/09 01:26	CDC	9D17097	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD0414-04 - Water)						Sampled: 04/09/09 15:30		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		24	2.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND		9.4	2.9	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dichlorophenol	ND		9.4	0.80	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dimethylphenol	ND		9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dinitrophenol	ND		47	2.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND		9.4	1.2	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Chloronaphthalene	ND		9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Chlorophenol	ND		9.4	1.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Methylnaphthalene	ND		9.4	1.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Methylphenol	ND		9.4	2.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Nitroaniline	ND		47	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND		19	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
3-Nitroaniline	ND		47	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		47	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND		9.4	1.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Chloroaniline	ND		9.4	0.94	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Methylphenol	ND		4.7	0.55	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Nitroaniline	ND		47	2.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
4-Nitrophenol	ND		47	2.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Acenaphthene	ND		9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Acenaphthylene	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Acetophenone	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Anthracene	ND		9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Atrazine	ND		9.4	9.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Benzaldehyde	ND		47	19	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Benzo(a)anthracene	ND		9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Benzo(a)pyrene	ND		9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Benzo(b)fluoranthene	ND		9.4	2.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Benzo(ghi)perylene	ND		9.4	2.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND		9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Biphenyl	ND		9.4	9.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND		9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		9.4	0.94	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Bis(2-ethylhexyl)phthalate	ND		9.4	2.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Butyl benzyl phthalate	ND		9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Caprolactam	ND		9.4	9.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Carbazole	ND		4.7	0.084	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Chrysene	ND		9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD0414-04 - Water) - cont.						Sampled: 04/09/09 15:30		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Diethyl phthalate	ND		9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Dimethyl phthalate	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Di-n-butyl phthalate	ND		9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Di-n-octyl phthalate	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Fluoranthene	ND		9.4	1.9	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Fluorene	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachlorobenzene	ND		9.4	2.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachlorobutadiene	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND		9.4	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachloroethane	ND		9.4	0.80	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		9.4	3.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Isophorone	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Naphthalene	ND		9.4	1.2	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Nitrobenzene	ND		9.4	1.9	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		9.4	0.94	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND		9.4	1.2	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Pentachlorophenol	ND		47	3.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Phenanthrene	ND		9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Phenol	ND		9.4	2.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Pyrene	ND		9.4	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4,6-Tribromophenol	99 %		Surr Limits: (52-132%)				05/04/09 15:33	MKP	9D10106	8270C
2-Fluorobiphenyl	84 %		Surr Limits: (48-120%)				05/04/09 15:33	MKP	9D10106	8270C
2-Fluorophenol	39 %		Surr Limits: (20-120%)				05/04/09 15:33	MKP	9D10106	8270C
Nitrobenzene-d5	87 %		Surr Limits: (46-120%)				05/04/09 15:33	MKP	9D10106	8270C
Phenol-d5	29 %		Surr Limits: (16-120%)				05/04/09 15:33	MKP	9D10106	8270C
p-Terphenyl-d14	87 %		Surr Limits: (24-136%)				05/04/09 15:33	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD1121-04 - Water)						Sampled: 04/27/09 10:19		Recvd: 04/28/09 11:45		
<u>Organochlorine Pesticides by EPA Method 8081A</u>										
4,4'-DDD [2C]	ND		0.047	0.016	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.047	0.0057	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
gamma-Chlordane [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND		0.047	0.0050	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Methoxychlor [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.47	0.11	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	67 %		Surr Limits: (15-139%)				04/30/09 17:06	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	89 %		Surr Limits: (30-139%)				04/30/09 17:06	DGB	9D28110	8081A

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSE0607-04 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1221	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1232	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1242	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1248	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1254	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1260	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Decachlorobiphenyl	74 %	QSU	Surr Limits: (12-137%)				05/20/09 14:07	JM	9E18109	8082
Tetrachloro-m-xylene	82 %	QSU	Surr Limits: (35-121%)				05/20/09 14:07	JM	9E18109	8082

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSF0070-04 - Water)						Sampled: 06/02/09 10:05		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.47	0.14	ug/L	1.00	06/08/09 13:27	DGB	9F04038	8151A
2,4-D [2C]	ND		0.47	0.10	ug/L	1.00	06/08/09 13:27	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.47	0.11	ug/L	1.00	06/08/09 13:27	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	74 %		Surr Limits: (19-128%)				06/08/09 13:27	DGB	9F04038	8151A

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Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD0334-01 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Aluminum	246	P10	0.200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Antimony	ND	P10	0.0200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Arsenic	0.0348	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Barium	0.619	P10	0.0020	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Beryllium	0.0113	P10	0.0020	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Cadmium	ND	P10	0.0010	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Calcium	257	P10	0.5	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Chromium	0.354	P10	0.0040	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Cobalt	0.0974	P10	0.0040	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Copper	0.164	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Iron	245	P10	0.050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Lead	0.128	P10	0.0050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Magnesium	86.2	P10	0.200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Manganese	2.51	P10	0.0030	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Nickel	0.383	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Potassium	72.0	P10	0.500	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Selenium	ND	P10	0.0150	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Silver	ND	P10	0.0030	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Sodium	208	P10	1.0	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Thallium	ND	P10	0.0200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Vanadium	0.325	P10	0.0050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Zinc	0.621	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:45	MM	9D09045	7470A
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
2-Butanone	11		5.0	1.3	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
2-Hexanone	1.9	J	5.0	1.2	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
4-Methyl-2-pentanone	2.0	J	5.0	0.91	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Acetone	27		5.0	1.3	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Benzene	1.6		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Bromodichloromethane	1.1		1.0	0.39	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD0334-01 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Carbon disulfide	1.0		1.0	0.19	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloroform	8.9		1.0	0.34	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Cyclohexane	54		1.0	0.53	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Ethylbenzene	2.2		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methylcyclohexane	39		1.0	0.50	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Toluene	15		1.0	0.51	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Xylenes, total	48		2.0	0.66	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichloroethane-d4	101 %		Surr Limits: (66-137%)				04/18/09 00:15	CDC	9D17097	8260B
4-Bromofluorobenzene	109 %		Surr Limits: (73-120%)				04/18/09 00:15	CDC	9D17097	8260B
Toluene-d8	111 %		Surr Limits: (71-126%)				04/18/09 00:15	CDC	9D17097	8260B

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD0414-01 - Water)						Sampled: 04/09/09 14:15		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS</u>										
2,4,5-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4,6-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dichlorophenol	ND		4.7	0.75	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dimethylphenol	2.0	J	4.7	0.91	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dinitrophenol	ND		9.5	2.1	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,6-Dinitrotoluene	ND		4.7	0.48	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Chloronaphthalene	ND		4.7	0.080	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Chlorophenol	ND		4.7	0.48	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Methylnaphthalene	3.2	J	4.7	0.078	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Methylphenol	0.61	J	4.7	0.22	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Nitroaniline	ND		9.5	0.47	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Nitrophenol	ND		4.7	0.57	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.36	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
3-Nitroaniline	ND		9.5	1.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.2	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.85	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Chloro-3-methylphenol	ND		4.7	0.56	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Chloroaniline	ND		4.7	0.31	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.16	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Methylphenol	ND		9.5	0.55	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Nitroaniline	ND		9.5	0.43	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Acenaphthylene	ND		4.7	0.045	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Acetophenone	ND		4.7	0.97	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Anthracene	ND		4.7	0.053	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Atrazine	ND		4.7	1.0	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(a)anthracene	0.60	J	4.7	0.061	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(a)pyrene	0.31	J	4.7	0.086	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(b)fluoranthene	0.46	J	4.7	0.060	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(ghi)perylene	0.21	J	4.7	0.074	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(k)fluoranthene	0.34	J	4.7	0.063	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Biphenyl	0.44	J	4.7	0.062	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.36	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.17	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,2'-Oxybis(1-Chloropropylane)	ND		4.7	0.40	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-ethylhexyl)phthalate	4.7		4.7	4.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Butyl benzyl phthalate	ND		4.7	1.6	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Caprolactam	ND		4.7	4.4	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Carbazole	0.33	J	4.7	0.084	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Chrysene	1.0	J	4.7	0.26	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.19	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C

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Client ID: MW-C1 (RSD0414-01 - Water) - cont.						Sampled: 04/09/09 14:15		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		4.7	0.093	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Diethyl phthalate	0.55	J	4.7	0.10	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Dimethyl phthalate	ND		4.7	0.28	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Di-n-butyl phthalate	0.45	J	4.7	0.28	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Di-n-octyl phthalate	ND		4.7	0.23	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Fluoranthene	1.4	J	4.7	0.093	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Fluorene	1.1	J	4.7	0.070	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachlorobenzene	ND		4.7	0.42	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachlorobutadiene	ND		4.7	2.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachlorocyclopentadiene	ND		4.7	2.4	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachloroethane	ND		4.7	2.7	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.15	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Isophorone	ND		4.7	0.30	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Naphthalene	0.74	J	4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Nitrobenzene	ND		4.7	0.51	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.43	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
N-Nitrosodiphenylamine	ND		4.7	0.25	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Pentachlorophenol	ND		9.5	4.9	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Phenanthrene	2.9	J	4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Phenol	ND		4.7	0.42	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Pyrene	ND		4.7	0.065	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4,6-Tribromophenol	43 %	Z	Surr Limits: (52-132%)				05/01/09 19:41	JLG	9D10106	8270C
2-Fluorobiphenyl	32 %	Z	Surr Limits: (48-120%)				05/01/09 19:41	JLG	9D10106	8270C
2-Fluorophenol	19 %	Z	Surr Limits: (20-120%)				05/01/09 19:41	JLG	9D10106	8270C
Nitrobenzene-d5	59 %		Surr Limits: (46-120%)				05/01/09 19:41	JLG	9D10106	8270C
Phenol-d5	15 %	Z	Surr Limits: (16-120%)				05/01/09 19:41	JLG	9D10106	8270C
p-Terphenyl-d14	13 %	Z	Surr Limits: (24-136%)				05/01/09 19:41	JLG	9D10106	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD1121-01 - Water)						Sampled: 04/27/09 09:45		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	0.050	J	0.054	0.018	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Aldrin [2C]	ND		0.054	0.0071	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.054	0.0071	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.054	0.016	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.054	0.027	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Chlordane [2C]	ND		0.54	0.054	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
delta-BHC [2C]	0.020	J	0.054	0.011	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.054	0.021	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.054	0.026	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan II [2C]	0.023	J	0.054	0.021	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.054	0.017	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endrin [2C]	ND		0.054	0.015	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.054	0.018	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.054	0.022	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.054	0.0065	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
gamma-Chlordane [2C]	0.036	J	0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.054	0.0091	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Heptachlor epoxide [2C]	0.071		0.054	0.0057	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Methoxychlor [2C]	0.10		0.054	0.015	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.54	0.13	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	*	Z	Surr Limits: (15-139%)				04/30/09 15:19	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	14 %	Z	Surr Limits: (30-139%)				04/30/09 15:19	DGB	9D28110	8081A

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSE0607-01 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1221	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1232	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1242	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1248	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1254	ND		0.50	0.25	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1260	ND		0.50	0.25	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Decachlorobiphenyl	42 %		Surr Limits: (12-137%)				05/20/09 13:22	JM	9E18109	8082
Tetrachloro-m-xylene	73 %		Surr Limits: (35-121%)				05/20/09 13:22	JM	9E18109	8082

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSF0070-01 - Water)						Sampled: 06/02/09 09:10		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.60	0.18	ug/L	1.00	06/08/09 11:58	DGB	9F04038	8151A
2,4-D [2C]	ND		0.60	0.13	ug/L	1.00	06/08/09 11:58	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.60	0.14	ug/L	1.00	06/08/09 11:58	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	62 %		Surr Limits: (19-128%)				06/08/09 11:58	DGB	9F04038	8151A

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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0334-02 - Water)					Sampled: 04/06/09			Recvd: 04/07/09 10:20		
Total Metals by SW 846 Series Methods										
Aluminum	4.23		0.200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Barium	0.0193		0.0020	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Calcium	24.7		0.5	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Chromium	0.0125		0.0040	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Iron	3.69		0.050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Lead	0.0141		0.0050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Magnesium	5.06		0.200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Manganese	0.0637		0.0030	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Potassium	12.7		0.500	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Sodium	59.0		1.0	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Vanadium	0.0077		0.0050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Zinc	0.0576		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:46	MM	9D09045	7470A
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
2-Butanone	9.7		5.0	1.3	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
4-Methyl-2-pentanone	1.3	J	5.0	0.91	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Acetone	46		5.0	1.3	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Benzene	4.0		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Bromodichloromethane	0.46	J	1.0	0.39	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0334-02 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloroform	2.9		1.0	0.34	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Cyclohexane	120		1.0	0.53	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Ethylbenzene	0.48	J	1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methylcyclohexane	70		1.0	0.50	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Toluene	23		1.0	0.51	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Xylenes, total	26		2.0	0.66	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichloroethane-d4	102 %		Surr Limits: (66-137%)				04/18/09 00:39	CDC	9D17097	8260B
4-Bromofluorobenzene	108 %		Surr Limits: (73-120%)				04/18/09 00:39	CDC	9D17097	8260B
Toluene-d8	111 %		Surr Limits: (71-126%)				04/18/09 00:39	CDC	9D17097	8260B

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0334-02RE1 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D08	2.0	0.53	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,1,2,2-Tetrachloroethane	ND	D08	2.0	0.43	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,1,2-Trichloroethane	ND	D08	2.0	0.46	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D08	2.0	0.62	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,1-Dichloroethane	ND	D08	2.0	1.5	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,1-Dichloroethene	ND	D08	2.0	0.59	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2,4-Trichlorobenzene	ND	D08	2.0	0.82	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2-Dibromo-3-chloropropane	ND	D08	2.0	2.0	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2-Dibromoethane	ND	D08	2.0	0.33	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2-Dichlorobenzene	ND	D08	2.0	0.41	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2-Dichloroethane	ND	D08	2.0	0.43	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2-Dichloropropane	ND	D08	2.0	0.29	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,3-Dichlorobenzene	ND	D08	2.0	0.33	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,4-Dichlorobenzene	ND	D08	2.0	0.32	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
2-Butanone	6.9	D08,J	10	2.6	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
2-Hexanone	ND	D08	10	2.5	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
4-Methyl-2-pentanone	ND	D08	10	1.8	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Acetone	17	D08	10	2.7	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Benzene	4.0	D08	2.0	0.33	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Bromodichloromethane	ND	D08	2.0	0.77	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Bromoform	ND	D08	2.0	0.51	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Bromomethane	ND	D08	2.0	0.56	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Carbon disulfide	ND	D08	2.0	0.39	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Carbon Tetrachloride	ND	D08	2.0	0.53	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Chlorobenzene	ND	D08	2.0	0.63	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Dibromochloromethane	ND	D08	2.0	0.64	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Chloroethane	ND	D08	2.0	0.65	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Chloroform	3.0	D08	2.0	0.67	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Chloromethane	5.1	D08	2.0	0.69	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
cis-1,2-Dichloroethene	ND	D08	2.0	0.32	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
cis-1,3-Dichloropropene	ND	D08	2.0	0.71	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Cyclohexane	130	D08	2.0	1.1	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Dichlorodifluoromethane	ND	D08	2.0	0.57	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Ethylbenzene	ND	D08	2.0	0.37	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Isopropylbenzene	ND	D08	2.0	0.39	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Methyl Acetate	ND	D08	2.0	0.34	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D08	2.0	0.32	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Methylcyclohexane	75	D08	2.0	0.99	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Methylene Chloride	ND	D08	2.0	0.88	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Styrene	ND	D08	2.0	0.37	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Tetrachloroethene	ND	D08	2.0	0.73	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Toluene	23	D08	2.0	1.0	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
trans-1,2-Dichloroethene	ND	D08	2.0	0.25	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
trans-1,3-Dichloropropene	ND	D08	2.0	0.74	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Trichloroethene	ND	D08	2.0	0.35	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0334-02RE1 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Trichlorofluoromethane	ND	D08	2.0	0.30	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Vinyl chloride	ND	D08	2.0	0.49	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
Xylenes, total	22	D08	4.0	1.3	ug/L	2.00	04/19/09 12:38	ND	9D19001	8260B
1,2-Dichloroethane-d4	108 %	D08	Surr Limits: (66-137%)				04/19/09 12:38	ND	9D19001	8260B
4-Bromofluorobenzene	102 %	D08	Surr Limits: (73-120%)				04/19/09 12:38	ND	9D19001	8260B
Toluene-d8	109 %	D08	Surr Limits: (71-126%)				04/19/09 12:38	ND	9D19001	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0414-02 - Water)						Sampled: 04/09/09 14:30		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	9.4	1.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND	D02	9.4	1.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dichlorophenol	ND	D02	9.4	1.5	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dimethylphenol	ND	D02	9.4	1.8	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dinitrophenol	ND	D02	19	4.2	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND	D02	9.4	0.84	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND	D02	9.4	0.96	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Chloronaphthalene	ND	D02	9.4	0.16	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Chlorophenol	ND	D02	9.4	0.95	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Methylnaphthalene	ND	D02	9.4	0.15	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Methylphenol	ND	D02	9.4	0.43	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Nitroaniline	ND	D02	19	0.94	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Nitrophenol	ND	D02	9.4	1.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND	D02	9.4	0.71	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
3-Nitroaniline	ND	D02	19	2.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND	D02	19	4.3	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND	D02	9.4	1.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND	D02	9.4	1.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Chloroaniline	ND	D02	9.4	0.62	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND	D02	9.4	0.32	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Methylphenol	ND	D02	19	1.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Nitroaniline	ND	D02	19	0.86	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Nitrophenol	ND	D02	19	2.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Acenaphthene	ND	D02	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Acenaphthylene	ND	D02	9.4	0.089	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Acetophenone	ND	D02	9.4	1.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Anthracene	0.57	D02,J	9.4	0.11	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Atrazine	ND	D02	9.4	2.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzaldehyde	ND	D02	9.4	0.51	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(a)anthracene	0.49	D02,J	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(a)pyrene	ND	D02	9.4	0.17	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(b)fluoranthene	0.66	D02,J	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(ghi)perylene	ND	D02	9.4	0.15	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND	D02	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Biphenyl	ND	D02	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND	D02	9.4	0.71	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND	D02	9.4	0.34	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	9.4	0.80	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Bis(2-ethylhexyl) phthalate	ND	D02	9.4	9.0	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Butyl benzyl phthalate	ND	D02	9.4	3.3	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Caprolactam	ND	D02	9.4	8.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Carbazole	ND	D02	9.4	0.17	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Chrysene	0.79	D02,J	9.4	0.52	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND	D02	9.4	0.38	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0414-02 - Water) - cont.						Sampled: 04/09/09 14:30		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND	D02	9.4	0.18	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Diethyl phthalate	ND	D02	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Dimethyl phthalate	ND	D02	9.4	0.57	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Di-n-butyl phthalate	0.92	D02,J	9.4	0.56	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Di-n-octyl phthalate	ND	D02	9.4	0.45	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Fluoranthene	2.0	D02,J	9.4	0.19	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Fluorene	ND	D02	9.4	0.14	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachlorobenzene	ND	D02	9.4	0.84	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachlorobutadiene	ND	D02	9.4	4.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND	D02	9.4	4.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachloroethane	ND	D02	9.4	5.3	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	9.4	0.29	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Isophorone	ND	D02	9.4	0.60	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Naphthalene	ND	D02	9.4	0.22	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Nitrobenzene	ND	D02	9.4	1.0	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND	D02	9.4	0.85	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND	D02	9.4	0.49	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Pentachlorophenol	ND	D02	19	9.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Phenanthrene	2.5	D02,J	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Phenol	ND	D02	9.4	0.84	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Pyrene	1.7	D02,J	9.4	0.13	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4,6-Tribromophenol	39 %	D02,Z	Surr Limits: (52-132%)				05/04/09 14:46	MKP	9D10106	8270C
2-Fluorobiphenyl	37 %	D02,Z	Surr Limits: (48-120%)				05/04/09 14:46	MKP	9D10106	8270C
2-Fluorophenol	17 %	D02,Z	Surr Limits: (20-120%)				05/04/09 14:46	MKP	9D10106	8270C
Nitrobenzene-d5	37 %	D02,Z	Surr Limits: (46-120%)				05/04/09 14:46	MKP	9D10106	8270C
Phenol-d5	13 %	D02,Z	Surr Limits: (16-120%)				05/04/09 14:46	MKP	9D10106	8270C
p-Terphenyl-d14	35 %	D02	Surr Limits: (24-136%)				05/04/09 14:46	MKP	9D10106	8270C

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD1121-02 - Water)						Sampled: 04/27/09 09:02		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	0.032	J	0.047	0.016	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.047	0.0057	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
gamma-Chlordane [2C]	0.023	J	0.047	0.010	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Heptachlor epoxide [2C]	0.057		0.047	0.0050	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Methoxychlor [2C]	0.043	J	0.047	0.013	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.47	0.11	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	9 %	Z	Surr Limits: (15-139%)				04/30/09 15:54	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	77 %		Surr Limits: (30-139%)				04/30/09 15:54	DGB	9D28110	8081A

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSE0607-02 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1221	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1232	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1242	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1248	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1254	ND		0.47	0.24	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1260	ND		0.47	0.24	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Decachlorobiphenyl	28 %		Surr Limits: (12-137%)				05/20/09 13:37	JM	9E18109	8082
Tetrachloro-m-xylene	74 %		Surr Limits: (35-121%)				05/20/09 13:37	JM	9E18109	8082

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSF0070-02 - Water)						Sampled: 06/02/09 09:46		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.47	0.14	ug/L	1.00	06/08/09 12:28	DGB	9F04038	8151A
2,4-D [2C]	ND		0.47	0.10	ug/L	1.00	06/08/09 12:28	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.47	0.11	ug/L	1.00	06/08/09 12:28	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	62 %		Surr Limits: (19-128%)				06/08/09 12:28	DGB	9F04038	8151A

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Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab		Method
	Result	Qualifiers				Fac	Analyzed	Tech	Batch	
Client ID: MW-C3 (RSD0334-03 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
Total Metals by SW 846 Series Methods										
Aluminum	1.22		0.200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Barium	0.0183		0.0020	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Calcium	59.2		0.5	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Iron	1.51		0.050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Lead	0.0060		0.0050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Magnesium	34.6		0.200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Manganese	0.0567		0.0030	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Potassium	12.1		0.500	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Sodium	220		1.0	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Zinc	0.0226		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:48	MM	9D09045	7470A
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethan	ND		1.0	0.21	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
e										
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-triflu	ND		1.0	0.31	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
oroethane										
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dibromo-3-chloropro	ND		1.0	1.0	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
pane										
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Acetone	9.5		5.0	1.3	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Bromodichloromethane	0.92	J	1.0	0.39	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0334-03 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloroform	4.3		1.0	0.34	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Cyclohexane	0.73	J	1.0	0.53	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methylcyclohexane	0.57	J	1.0	0.50	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Xylenes, total	2.8		2.0	0.66	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichloroethane-d4	99 %		Surr Limits: (66-137%)				04/18/09 01:03	CDC	9D17097	8260B
4-Bromofluorobenzene	110 %		Surr Limits: (73-120%)				04/18/09 01:03	CDC	9D17097	8260B
Toluene-d8	113 %		Surr Limits: (71-126%)				04/18/09 01:03	CDC	9D17097	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0414-03 - Water)						Sampled: 04/09/09 14:50		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		4.7	0.93	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dichlorophenol	ND		4.7	0.74	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dimethylphenol	ND		4.7	0.91	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dinitrophenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND		4.7	0.48	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Chloronaphthalene	ND		4.7	0.079	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Chlorophenol	ND		4.7	0.48	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Methylnaphthalene	ND		4.7	0.077	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Methylphenol	ND		4.7	0.22	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Nitroaniline	ND		9.4	0.47	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Nitrophenol	ND		4.7	0.57	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.35	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
3-Nitroaniline	ND		9.4	1.5	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.85	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND		4.7	0.56	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Chloroaniline	ND		4.7	0.31	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.16	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Methylphenol	ND		9.4	0.55	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Nitroaniline	ND		9.4	0.43	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Acenaphthylene	ND		4.7	0.044	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Acetophenone	ND		4.7	0.96	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Anthracene	0.20	J	4.7	0.053	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Atrazine	ND		4.7	1.0	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(a)anthracene	0.24	J	4.7	0.060	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(a)pyrene	0.24	J	4.7	0.086	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(b)fluoranthene	ND		4.7	0.059	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(ghi)perylene	ND		4.7	0.074	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND		4.7	0.062	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Biphenyl	ND		4.7	0.062	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.35	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.17	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropane)	ND		4.7	0.40	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Bis(2-ethylhexyl) phthalate	ND		4.7	4.5	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Butyl benzyl phthalate	ND		4.7	1.6	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Caprolactam	ND		4.7	4.3	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Carbazole	ND		4.7	0.084	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Chrysene	ND		4.7	0.26	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.19	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0414-03 - Water) - cont.						Sampled: 04/09/09 14:50		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		4.7	0.092	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Diethyl phthalate	0.30	J	4.7	0.10	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Dimethyl phthalate	ND		4.7	0.28	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Di-n-butyl phthalate	0.83	J	4.7	0.28	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Di-n-octyl phthalate	ND		4.7	0.23	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Fluoranthene	0.49	J	4.7	0.093	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Fluorene	ND		4.7	0.070	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachlorobenzene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachlorobutadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachloroethane	ND		4.7	2.7	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.14	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Isophorone	ND		4.7	0.30	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Naphthalene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Nitrobenzene	ND		4.7	0.51	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.43	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND		4.7	0.25	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Pentachlorophenol	ND		9.4	4.8	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Phenanthrene	0.67	J	4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Phenol	ND		4.7	0.42	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Pyrene	0.54	J	4.7	0.064	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4,6-Tribromophenol	100 %		Surr Limits: (52-132%)				05/04/09 15:09	MKP	9D10106	8270C
2-Fluorobiphenyl	86 %		Surr Limits: (48-120%)				05/04/09 15:09	MKP	9D10106	8270C
2-Fluorophenol	45 %		Surr Limits: (20-120%)				05/04/09 15:09	MKP	9D10106	8270C
Nitrobenzene-d5	94 %		Surr Limits: (46-120%)				05/04/09 15:09	MKP	9D10106	8270C
Phenol-d5	32 %		Surr Limits: (16-120%)				05/04/09 15:09	MKP	9D10106	8270C
p-Terphenyl-d14	85 %		Surr Limits: (24-136%)				05/04/09 15:09	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD1121-03 - Water)						Sampled: 04/27/09 09:28		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	ND	J	0.047	0.016	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
beta-BHC [2C]	0.024		0.047	0.023	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endosulfan I [2C]	ND	J	0.047	0.023	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	0.038		0.047	0.0057	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
gamma-Chlordane [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND		0.047	0.0050	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Methoxychlor [2C]	0.061	0.047	0.013	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A	
Toxaphene [2C]	ND	0.47	0.11	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A	
Decachlorobiphenyl [2C]	14 %	Z	Surr Limits: (15-139%)				04/30/09 16:30	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	73 %		Surr Limits: (30-139%)				04/30/09 16:30	DGB	9D28110	8081A

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSE0607-03 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1221	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1232	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1242	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1248	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1254	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1260	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Decachlorobiphenyl	37 %	QSU	Surr Limits: (12-137%)				05/20/09 13:52	JM	9E18109	8082
Tetrachloro-m-xylene	79 %	QSU	Surr Limits: (35-121%)				05/20/09 13:52	JM	9E18109	8082

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSF0070-03 - Water)						Sampled: 06/02/09 09:28		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.54	0.16	ug/L	1.00	06/08/09 12:57	DGB	9F04038	8151A
2,4-D [2C]	ND		0.54	0.12	ug/L	1.00	06/08/09 12:57	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.54	0.12	ug/L	1.00	06/08/09 12:57	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	50 %		Surr Limits: (19-128%)				06/08/09 12:57	DGB	9F04038	8151A



Analytical Report

Work Order: RSC0772

Project Description

Benchmark - 3773 Lakeshore Rd. site

For:

Tom Forbes

Benchmark Environmental & Engineering Science

726 Exchange Street, Suite 624

Buffalo, NY 14210

A handwritten signature in black ink, appearing to read "B. Fischer", written over a horizontal line.

Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Friday, April 17, 2009

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

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Reported: 04/17/09 12:41

Case Narrative

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. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Due to laboratory oversight, client requested MS/MSD analysis was not performed for the TAL metals (not including mercury).

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Received: 03/23/09

Reported: 04/17/09 12:41

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

DATA QUALIFIERS AND DEFINITIONS

B Analyte was detected in the associated Method Blank.
D08 Dilution required due to high concentration of target analyte(s)
J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
Concentrations within this range are estimated.
M1 The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
MPS The Post spike and/or serial dilution were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS)
R The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.



THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid)					Sampled: 03/20/09 14:15			Recvd: 03/23/09 17:40		
General Chemistry Parameters										
Percent Solids	71		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
Total Metals by SW 846 Series Methods										
Aluminum	11600		14.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Arsenic	4.4		2.9	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Barium	40.5		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Beryllium	0.692		0.285	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Calcium	93300	D08	357	NA	mg/kg dry	5.00	03/28/09 01:29	AH	9C24054	6010B
Chromium	36.0		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Cobalt	11.5		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Copper	33.6		1.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Iron	25500		14.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Lead	17.6		1.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Magnesium	9040		28.5	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Manganese	606		0.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Nickel	39.4		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Potassium	3060		42.8	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Sodium	1610		200	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Vanadium	19.7		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Zinc	64.1		2.9	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Volatile Organic Compounds by EPA 8260B										
Acetone	27	J	35	2.8	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Cyclohexane	1.7	J	7.0	0.32	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methylcyclohexane	2.8	J	7.0	0.45	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Sample ID: RSC0772-02 (BLIND DUP - Solid)					Sampled: 03/20/09 12:00			Recvd: 03/23/09 17:40		
General Chemistry Parameters										
Percent Solids	88		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
Total Metals by SW 846 Series Methods										
Aluminum	10600		12.0	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Arsenic	4.0		2.4	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Barium	32.8		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Beryllium	0.616		0.241	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Calcium	96100	D08	301	NA	mg/kg dry	5.00	03/28/09 01:34	AH	9C24054	6010B
Chromium	134		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Cobalt	10.1		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Copper	27.5		1.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Iron	27000		12.0	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Lead	14.7		1.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Magnesium	9470		24.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Manganese	2010		0.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Nickel	34.7		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Potassium	2600		36.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Sodium	1100		169	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Vanadium	47.4		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Zinc	61.3		2.4	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Volatile Organic Compounds by EPA 8260B										
Acetone	13	J	28	2.2	ua/kq drv	1.00	03/25/09 03:54	CDC	9C24064	8260B

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid)					Sampled: 03/20/09 14:30			Recvd: 03/23/09 17:40		
General Chemistry Parameters										
Percent Solids	73		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
Total Metals by SW 846 Series Methods										
Aluminum	5920		14.5	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Barium	18.4		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Beryllium	0.369		0.289	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Calcium	45800		72.3	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Chromium	15.0		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Cobalt	6.04		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Copper	17.6		1.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Iron	13400		14.5	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Lead	12.4		1.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Magnesium	3740		28.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Manganese	315		0.3	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Nickel	21.7		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Potassium	1640		43.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Sodium	919		202	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Vanadium	9.27		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Zinc	32.8		2.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Volatile Organic Compounds by EPA 8260B										
Acetone	29	J	33	2.6	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Cyclohexane	26		6.5	0.30	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Ethylbenzene	2.0	J	6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methylcyclohexane	88		6.5	0.42	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Toluene	3.4	J	6.5	0.66	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Xylenes, total	21		13	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Sample ID: RSC0772-04 (S-3 - Solid)					Sampled: 03/20/09 14:45			Recvd: 03/23/09 17:40		
General Chemistry Parameters										
Percent Solids	89		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
Total Metals by SW 846 Series Methods										
Aluminum	9270		11.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Arsenic	6.9		2.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Barium	60.4		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Beryllium	0.619		0.231	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Cadmium	0.430		0.231	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Calcium	52500	D08	289	NA	mg/kg dry	5.00	03/28/09 01:39	AH	9C24054	6010B
Chromium	38.0		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Cobalt	8.76		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Copper	71.9		1.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Iron	34900		11.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Lead	59.8		1.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Magnesium	6620		23.1	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Manganese	699		0.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Nickel	36.1		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Potassium	1830		34.7	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Sodium	499		162	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Vanadium	20.1		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Zinc	198		2.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Mercury	0.112		0.0227	NA	mg/kg dry	1.00	03/25/09 15:57	MM	9C24027	7471A

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid) - cont.					Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40			
Volatile Organic Compounds by EPA 8260B										
Acetone	46		27	2.1	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Carbon disulfide	1.6	J	5.4	0.46	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methylene Chloride	2.9	J	5.4	0.38	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Sample Summary

SAMPLE IDENTIFICATION	LAB NUMBER	Client Matrix	Date/Time Sampled	Date/Time Received
S-1	RSC0772-01	Solid	03/20/09 14:15	03/23/09 17:40
BLIND DUP	RSC0772-02	Solid	03/20/09 12:00	03/23/09 17:40
S-2	RSC0772-03	Solid	03/20/09 14:30	03/23/09 17:40
S-3	RSC0772-04	Solid	03/20/09 14:45	03/23/09 17:40

Benchmark Environmental & Engineering Science
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Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid)					Sampled: 03/20/09 14:15			Recvd: 03/23/09 17:40		

General Chemistry Parameters

Percent Solids	71		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	11600		14.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Antimony	ND		21.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Arsenic	4.4		2.9	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Barium	40.5		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Beryllium	0.692		0.285	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Cadmium	ND		0.285	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Calcium	93300	D08	357	NA	mg/kg dry	5.00	03/28/09 01:29	AH	9C24054	6010B
Chromium	36.0		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Cobalt	11.5		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Copper	33.6		1.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Iron	25500		14.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Lead	17.6		1.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Magnesium	9040		28.5	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Manganese	606		0.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Nickel	39.4		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Potassium	3060		42.8	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Selenium	ND		5.7	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Silver	ND		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Sodium	1610		200	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Thallium	ND		8.6	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Vanadium	19.7		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Zinc	64.1		2.9	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Mercury	ND		0.0276	NA	mg/kg dry	1.00	03/25/09 15:47	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		7.0	0.51	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND		7.0	1.1	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		7.0	0.35	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.0	0.74	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1-Dichloroethane	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1-Dichloroethene	ND		7.0	0.85	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		7.0	0.42	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		7.0	1.4	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dibromoethane	ND		7.0	0.26	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		7.0	1.0	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dichloroethane	ND		7.0	0.35	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dichloropropane	ND		7.0	0.36	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		7.0	0.99	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		7.0	0.98	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
2-Butanone	ND		35	9.5	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
2-Hexanone	ND		35	2.4	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		35	2.3	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Acetone	27	J	35	2.8	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Benzene	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid) - cont.					Sampled: 03/20/09 14:15			Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		7.0	0.36	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Bromoform	ND		7.0	0.64	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Bromomethane	ND		7.0	0.64	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Carbon disulfide	ND		7.0	0.60	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Carbon Tetrachloride	ND		7.0	0.25	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chlorobenzene	ND	M8	7.0	0.30	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Dibromochloromethane	ND		7.0	0.39	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chloroethane	ND		7.0	1.1	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chloroform	ND		7.0	0.43	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chloromethane	ND		7.0	0.48	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		7.0	0.40	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Cyclohexane	1.7	J	7.0	0.32	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		7.0	0.58	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Ethylbenzene	ND		7.0	0.48	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Isopropylbenzene	ND		7.0	0.46	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methyl Acetate	ND		7.0	0.24	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		7.0	0.21	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methylcyclohexane	2.8	J	7.0	0.45	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methylene Chloride	ND		7.0	0.49	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Styrene	ND		7.0	0.35	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Tetrachloroethene	ND		7.0	0.94	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Toluene	ND	M8	7.0	0.71	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		7.0	0.72	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Trichloroethene	ND		7.0	0.48	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Trichlorofluoromethane	ND		7.0	2.2	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Vinyl chloride	ND		14	0.28	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Xylenes, total	ND		14	1.2	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)	110 %						03/25/09 02:37	CDC	9C24064	8260B
Surr: p-Bromofluorobenzene (72-126%)	105 %						03/25/09 02:37	CDC	9C24064	8260B
Surr: Toluene-d8 (71-125%)	110 %						03/25/09 02:37	CDC	9C24064	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid)						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		

General Chemistry Parameters

Percent Solids	88		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	10600		12.0	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Antimony	ND		18.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Arsenic	4.0		2.4	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Barium	32.8		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Beryllium	0.616		0.241	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Cadmium	ND		0.241	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Calcium	96100	D08	301	NA	mg/kg dry	5.00	03/28/09 01:34	AH	9C24054	6010B
Chromium	134		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Cobalt	10.1		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Copper	27.5		1.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Iron	27000		12.0	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Lead	14.7		1.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Magnesium	9470		24.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Manganese	2010		0.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Nickel	34.7		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Potassium	2600		36.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Selenium	ND		4.8	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Silver	ND		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Sodium	1100		169	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Thallium	ND		7.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Vanadium	47.4		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Zinc	61.3		2.4	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Mercury	ND		0.0215	NA	mg/kg dry	1.00	03/25/09 15:54	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.6	0.40	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND		5.6	0.90	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		5.6	0.28	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	0.59	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1-Dichloroethane	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1-Dichloroethene	ND		5.6	0.68	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		5.6	1.1	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dibromoethane	ND		5.6	0.21	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		5.6	0.84	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dichloroethane	ND		5.6	0.28	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dichloropropane	ND		5.6	0.29	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		5.6	0.79	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		5.6	0.78	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
2-Butanone	ND		28	7.6	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
2-Hexanone	ND		28	1.9	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		28	1.8	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Acetone	13	J	28	2.2	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Benzene	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid) - cont.						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		5.6	0.29	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Bromoform	ND		5.6	0.51	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Bromomethane	ND		5.6	0.51	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Carbon disulfide	ND		5.6	0.48	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Carbon Tetrachloride	ND		5.6	0.20	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chlorobenzene	ND		5.6	0.24	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Dibromochloromethane	ND		5.6	0.31	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chloroethane	ND		5.6	0.90	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chloroform	ND		5.6	0.34	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chloromethane	ND		5.6	0.38	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		5.6	0.32	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Cyclohexane	ND		5.6	0.26	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		5.6	0.46	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Ethylbenzene	ND		5.6	0.38	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Isopropylbenzene	ND		5.6	0.36	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methyl Acetate	ND		5.6	0.19	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.6	0.17	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methylcyclohexane	ND		5.6	0.36	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methylene Chloride	ND		5.6	0.39	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Styrene	ND		5.6	0.28	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Tetrachloroethene	ND		5.6	0.75	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Toluene	ND		5.6	0.57	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		5.6	0.57	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Trichloroethene	ND		5.6	0.38	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Trichlorofluoromethane	ND		5.6	1.7	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Vinyl chloride	ND		11	0.23	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Xylenes, total	ND		11	0.93	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)							112 %	03/25/09 03:54	CDC	9C24064 8260B
Surr: p-Bromofluorobenzene (72-126%)							106 %	03/25/09 03:54	CDC	9C24064 8260B
Surr: Toluene-d8 (71-125%)							112 %	03/25/09 03:54	CDC	9C24064 8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
<u>General Chemistry Parameters</u>										
Percent Solids	73		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
<u>Total Metals by SW 846 Series Methods</u>										
Aluminum	5920		14.5	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Antimony	ND		21.7	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Arsenic	ND		2.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Barium	18.4		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Beryllium	0.369		0.289	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Cadmium	ND		0.289	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Calcium	45800		72.3	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Chromium	15.0		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Cobalt	6.04		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Copper	17.6		1.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Iron	13400		14.5	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Lead	12.4		1.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Magnesium	3740		28.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Manganese	315		0.3	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Nickel	21.7		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Potassium	1640		43.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Selenium	ND		5.8	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Silver	ND		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Sodium	919		202	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Thallium	ND		8.7	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Vanadium	9.27		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Zinc	32.8		2.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Mercury	ND		0.0254	NA	mg/kg dry	1.00	03/25/09 15:56	MM	9C24027	7471A
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	ND		6.5	0.47	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND		6.5	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	0.69	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1-Dichloroethane	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1-Dichloroethene	ND		6.5	0.80	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		6.5	0.40	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		6.5	1.3	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dibromoethane	ND		6.5	0.25	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		6.5	0.98	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dichloroethane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dichloropropane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		6.5	0.92	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		6.5	0.91	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
2-Butanone	ND		33	8.9	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
2-Hexanone	ND		33	2.3	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		33	2.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Acetone	29	J	33	2.6	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Benzene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid) - cont.					Sampled: 03/20/09 14:30			Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Bromoform	ND		6.5	0.60	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Bromomethane	ND		6.5	0.60	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Carbon disulfide	ND		6.5	0.56	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Carbon Tetrachloride	ND		6.5	0.24	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chlorobenzene	ND		6.5	0.28	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Dibromochloromethane	ND		6.5	0.36	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chloroethane	ND		6.5	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chloroform	ND		6.5	0.40	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chloromethane	ND		6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		6.5	0.37	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Cyclohexane	26		6.5	0.30	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		6.5	0.54	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Ethylbenzene	2.0	J	6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Isopropylbenzene	ND		6.5	0.43	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methyl Acetate	ND		6.5	0.22	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		6.5	0.20	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methylcyclohexane	88		6.5	0.42	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methylene Chloride	ND		6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Styrene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Tetrachloroethene	ND		6.5	0.87	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Toluene	3.4	J	6.5	0.66	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		6.5	0.67	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Trichloroethene	ND		6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Trichlorofluoromethane	ND		6.5	2.0	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Vinyl chloride	ND		13	0.27	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Xylenes, total	21		13	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)							109 %		03/25/09 04:20	CDC 9C24064 8260B
Surr: p-Bromofluorobenzene (72-126%)							107 %		03/25/09 04:20	CDC 9C24064 8260B
Surr: Toluene-d8 (71-125%)							115 %		03/25/09 04:20	CDC 9C24064 8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid)					Sampled: 03/20/09 14:45			Recvd: 03/23/09 17:40		

General Chemistry Parameters

Percent Solids	89		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	9270		11.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Antimony	ND		17.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Arsenic	6.9		2.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Barium	60.4		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Beryllium	0.619		0.231	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Cadmium	0.430		0.231	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Calcium	52500	D08	289	NA	mg/kg dry	5.00	03/28/09 01:39	AH	9C24054	6010B
Chromium	38.0		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Cobalt	8.76		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Copper	71.9		1.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Iron	34900		11.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Lead	59.8		1.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Magnesium	6620		23.1	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Manganese	699		0.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Nickel	36.1		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Potassium	1830		34.7	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Selenium	ND		4.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Silver	ND		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Sodium	499		162	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Thallium	ND		6.9	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Vanadium	20.1		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Zinc	198		2.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Mercury	0.112		0.0227	NA	mg/kg dry	1.00	03/25/09 15:57	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.4	0.39	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND		5.4	0.87	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	0.57	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1-Dichloroethene	ND		5.4	0.66	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		5.4	1.1	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dibromoethane	ND		5.4	0.20	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		5.4	0.81	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dichloroethane	ND		5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dichloropropane	ND		5.4	0.28	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		5.4	0.76	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		5.4	0.75	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
2-Butanone	ND		27	7.3	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
2-Hexanone	ND		27	1.9	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		27	1.8	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Acetone	46		27	2.1	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Benzene	ND		5.4	0.26	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B

TestAmerica Buffalo

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www.testamericainc.com

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid) - cont.					Sampled: 03/20/09 14:45			Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND	J	5.4	0.28	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Bromoform	ND		5.4	0.50	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Carbon disulfide	1.6		5.4	0.46	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Carbon Tetrachloride	ND		5.4	0.20	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chlorobenzene	ND		5.4	0.23	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Dibromochloromethane	ND		5.4	0.30	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chloroethane	ND		5.4	0.87	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chloromethane	ND		5.4	0.37	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND	J	5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		5.4	0.31	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Cyclohexane	ND		5.4	0.25	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Isopropylbenzene	ND		5.4	0.35	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methyl Acetate	ND		5.4	0.18	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.16	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methylcyclohexane	ND		5.4	0.35	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methylene Chloride	2.9		5.4	0.38	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Styrene	ND	J	5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Tetrachloroethene	ND		5.4	0.72	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Toluene	ND		5.4	0.55	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		5.4	0.26	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Trichloroethene	ND		5.4	0.37	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Trichlorofluoromethane	ND		5.4	1.7	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Vinyl chloride	ND		11	0.22	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Xylenes, total	ND		11	0.90	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)							106 %	03/25/09 04:45	CDC	9C24064 8260B
Surr: p-Bromofluorobenzene (72-126%)							106 %	03/25/09 04:45	CDC	9C24064 8260B
Surr: Toluene-d8 (71-125%)							113 %	03/25/09 04:45	CDC	9C24064 8260B

Analytical Report

Work Order: RSC0772

Project Description

Benchmark - 3773 Lakeshore Rd. site

For:

Tom Forbes

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Tuesday, October 13, 2009

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Case Narrative

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. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8270C	4-Methylphenol	ug/kg dry	170	330

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DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
D02	Dilution required due to sample matrix effects
D10	Dilution required due to sample color
H	Sample analysis performed past method-specified holding time.
H4	Sample was extracted past holding time, but analyzed within analysis holding time.
H8	The sample was extracted past the holding time.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
QSU	Sulfur (EPA 3660) clean-up performed on extract.
R2	The RPD exceeded the acceptance limit.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid)						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
<u>Semivolatile Organics by GC/MS</u>										
Anthracene	53	H8, D02,J	480	12	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(a)anthracene	310	H8, D02,J	480	8.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(a)pyrene	290	H8, D02,J, L1	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(b)fluoranthene	460	H8, D02,J	480	9.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(ghi)perylene	290	H8, D02,J	480	5.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(k)fluoranthene	140	H8, D02,J	480	5.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-ethylhexyl) phthalate	570	H8, D02,B	480	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Carbazole	65	H8, D02,J	480	5.5	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Chrysene	380	H8, D02,J	480	4.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	78	H8, D02,J	480	5.6	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Fluoranthene	790	H8, D02	480	6.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	260	H8, D02,J	480	13	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Phenanthrene	320	H8, D02,J	480	9.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Pyrene	590	H8, D02	480	3.1	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
<u>General Chemistry Parameters</u>										
Percent Solids	71		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
Sample ID: RSC0772-02 (BLIND DUP - Solid)						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
<u>Semivolatile Organics by GC/MS</u>										
Anthracene	46	H8, D02,J	380	9.7	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(a)anthracene	240	H8, D02,J	380	6.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(a)pyrene	230	H8, D02,L1, J	380	9.2	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(b)fluoranthene	340	H8, D02,J	380	7.4	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(ghi)perylene	210	H8, D02,J	380	4.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(k)fluoranthene	110	H8, D02,J	380	4.2	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-ethylhexyl) phthalate	470	H8, D02,B	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Carbazole	54	H8, D02,J	380	4.4	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Chrysene	310	H8, D02,J	380	3.8	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	60	H8, D02,J	380	4.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Fluoranthene	590	H8, D02	380	5.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	180	H8, D02,J	380	11	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Phenanthrene	230	H8, D02,J	380	8.0	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Pyrene	450	H8, D02	380	2.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
<u>General Chemistry Parameters</u>										
Percent Solids	88		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
Anthracene	47	H8, D02,J	1200	29	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(a)anthracene	140	H8, D02,J	1200	20	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(a)pyrene	140	H8, D02,L1, J	1200	28	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(b)fluoranthene	190	H8, D02,J	1200	22	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(ghi)perylene	120	H8, D02,J	1200	14	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(k)fluoranthene	83	H8, D02,J	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-ethylhexyl) phthalate	840	H8, D02,B, J	1200	370	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Chrysene	200	H8, D02,J	1200	11	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Fluoranthene	300	H8, D02,J	1200	17	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	95	H8, D02,J	1200	32	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Phenanthrene	160	H8, D02,J	1200	24	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Pyrene	220	H8, D02,J	1200	7.4	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
General Chemistry Parameters										
Percent Solids	73		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Sample ID: RSC0772-04 (S-3 - Solid)					Sampled: 03/20/09 14:45			Recvd: 03/23/09 17:40		
<u>Semivolatile Organics by GC/MS</u>										
Anthracene	50	H8, D02,J	380	9.6	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(a)anthracene	210	H8, D02,J	380	6.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(a)pyrene	190	H8, D02,L1, J	380	9.0	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(b)fluoranthene	230	H8, D02,J	380	7.3	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(ghi)perylene	140	H8, D02,J	380	4.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(k)fluoranthene	81	H8, D02,J	380	4.1	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-ethylhexyl) phthalate	200	H8, D02,B, J	380	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Carbazole	18	H8, D02,J	380	4.3	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Chrysene	220	H8, D02,J	380	3.7	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	41	H8, D02,J	380	4.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Fluoranthene	430	H8, D02	380	5.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Fluorene	27	H8, D02,J	380	8.6	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	130	H8, D02,J	380	10	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Naphthalene	37	H8, D02,J	380	6.2	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Phenanthrene	200	H8, D02,J	380	7.9	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Pyrene	360	H8, D02,J	380	2.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
<u>General Chemistry Parameters</u>										
Percent Solids	89		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Sample ID: RSC0772-04RE1 (S-3 - Solid) **Sampled: 03/20/09 14:45** **Recvd: 03/23/09 17:40**

Polychlorinated Biphenyls by EPA Method 8082

Aroclor 1254	23	H4	19	3.9	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
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TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
S-1	RSC0772-01	Solid	03/20/09 14:15	03/23/09 17:40	
BLIND DUP	RSC0772-02	Solid	03/20/09 12:00	03/23/09 17:40	
S-2	RSC0772-03	Solid	03/20/09 14:30	03/23/09 17:40	
S-3	RSC0772-04	Solid	03/20/09 14:45	03/23/09 17:40	

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Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid)						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	480	100	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	480	31	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	480	25	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	480	130	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	930	170	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	480	73	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	480	120	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	480	32	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	480	5.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	480	15	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	930	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	480	22	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	480	420	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	930	110	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	930	160	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	480	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	480	19	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	480	140	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	480	10	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	930	26	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	930	53	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	930	110	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	480	5.6	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	480	3.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Anthracene	53	H8, D02,J	480	12	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	480	21	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	480	52	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(a)anthracene	310	H8, D02,J	480	8.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(a)pyrene	290	H8, D02,J,L1	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(b)fluoranthene	460	H8, D02,J	480	9.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(ghi)perylene	290	H8, D02,J	480	5.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(k)fluoranthene	140	H8, D02,J	480	5.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	480	29	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	480	26	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	480	41	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND	H8, D02	480	49	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	570	H8, D02,B	480	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	480	130	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	480	200	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Carbazole	65	H8, D02,J	480	5.5	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Chrysene	380	H8, D02,J	480	4.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	78	H8, D02,J	480	5.6	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-01 (S-1 - Solid) - cont.

Sampled: 03/20/09 14:15

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	480	4.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	480	14	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	480	12	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	480	160	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02,L	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Fluoranthene	790	H8, D02	480	6.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Fluorene	ND	H8, D02	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	480	140	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	480	37	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	260	H8, D02,J	480	13	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Isophorone	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Naphthalene	ND	H8, D02	480	7.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	480	21	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	480	38	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02,L	480	26	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	930	160	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Phenanthrene	320	H8, D02,J	480	9.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Phenol	ND	H8, D02	480	50	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Pyrene	590	H8, D02	480	3.1	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C

2,4,6-Tribromophenol	89 %	H8, D02	Surr Limits: (39-146%)			04/28/09 23:57	DCW	9D22028	8270C
2-Fluorobiphenyl	86 %	H8, D02	Surr Limits: (37-120%)			04/28/09 23:57	DCW	9D22028	8270C
2-Fluorophenol	75 %	H8, D02	Surr Limits: (18-120%)			04/28/09 23:57	DCW	9D22028	8270C
Nitrobenzene-d5	88 %	H8, D02	Surr Limits: (34-132%)			04/28/09 23:57	DCW	9D22028	8270C
Phenol-d5	83 %	H8, D02	Surr Limits: (11-120%)			04/28/09 23:57	DCW	9D22028	8270C
p-Terphenyl-d14	86 %	H8, D02	Surr Limits: (58-147%)			04/28/09 23:57	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	12	2.2	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	12	3.3	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	12	2.6	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	12	7.3	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	12	6.5	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	12	8.3	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	120	47	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	12	2.8	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	12	2.8	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	12	4.4	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid) - cont.						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	12	2.1	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	12	2.1	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	12	3.7	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	12	4.7	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	12	6.4	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	12	5.7	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	12	3.0	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	12	3.1	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	120	67	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	58 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 16:13	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	103 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 16:13	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	71		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01RE1 (S-1 - Solid)						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1221	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1232	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1242	ND	H4	23	5.1	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1248	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1254	ND	H4	23	4.9	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1260	ND	H4	23	4.9	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Decachlorobiphenyl	93 %	H4	Surr Limits: (34-148%)				04/25/09 12:39	JM	9D24059	8082
Tetrachloro-m-xylene	76 %	H4	Surr Limits: (35-134%)				04/25/09 12:39	JM	9D24059	8082

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid)						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	380	83	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	380	25	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	740	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	380	59	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	380	93	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	380	26	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	380	4.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	380	12	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	740	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	380	330	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	740	88	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	740	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	380	16	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	380	110	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	380	8.1	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	740	21	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	740	43	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	740	92	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	380	4.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	380	3.1	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Anthracene	46	H8, D02,J	380	9.7	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	380	17	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	380	42	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(a)anthracene	240	H8, D02,J	380	6.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(a)pyrene	230	H8, D02,L1, J	380	9.2	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(b)fluoranthene	340	H8, D02,J	380	7.4	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(ghi)perylene	210	H8, D02,J	380	4.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(k)fluoranthene	110	H8, D02,J	380	4.2	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	380	24	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	380	21	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	380	33	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropyl)phthalate	ND	H8, D02	380	40	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	470	H8, D02,B	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	380	160	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Carbazole	54	H8, D02,J	380	4.4	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Chrysene	310	H8, D02,J	380	3.8	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	60	H8, D02,J	380	4.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-02 (BLIND DUP - Solid) - cont.

Sampled: 03/20/09 12:00

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	380	4.0	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	380	11	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	380	9.9	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	380	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02,L	380	8.9	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Fluoranthene	590	H8, D02	380	5.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Fluorene	ND	H8, D02	380	8.8	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	380	29	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	180	H8, D02,J	380	11	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Isophorone	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Naphthalene	ND	H8, D02	380	6.3	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	380	30	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02,L	380	21	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	740	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Phenanthrene	230	H8, D02,J	380	8.0	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Phenol	ND	H8, D02	380	40	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Pyrene	450	H8, D02	380	2.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C

2,4,6-Tribromophenol	93 %	H8, D02	Surr Limits: (39-146%)				04/29/09 00:20	DCW	9D22028	8270C
2-Fluorobiphenyl	87 %	H8, D02	Surr Limits: (37-120%)				04/29/09 00:20	DCW	9D22028	8270C
2-Fluorophenol	73 %	H8, D02	Surr Limits: (18-120%)				04/29/09 00:20	DCW	9D22028	8270C
Nitrobenzene-d5	85 %	H8, D02	Surr Limits: (34-132%)				04/29/09 00:20	DCW	9D22028	8270C
Phenol-d5	80 %	H8, D02	Surr Limits: (11-120%)				04/29/09 00:20	DCW	9D22028	8270C
p-Terphenyl-d14	89 %	H8, D02	Surr Limits: (58-147%)				04/29/09 00:20	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	9.4	1.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	9.4	2.7	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	9.4	2.1	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	9.4	5.9	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	9.4	5.3	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	9.4	6.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	94	38	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	9.4	2.3	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	9.4	2.3	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	9.4	3.6	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid) - cont.						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	9.4	1.7	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	9.4	1.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	9.4	3.0	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	9.4	3.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	9.4	5.2	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	9.4	4.7	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	9.4	2.4	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	9.4	2.5	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	94	55	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	142 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 14:25	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	105 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 14:25	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	88		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-02RE1 (BLIND DUP - Solid)						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1221	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1232	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1242	ND	H4	19	4.0	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1248	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1254	ND	H4	19	3.9	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1260	ND	H4	19	3.9	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Decachlorobiphenyl	95 %	H4	Surr Limits: (34-148%)				04/25/09 12:53	JM	9D24059	8082
Tetrachloro-m-xylene	78 %	H4	Surr Limits: (35-134%)				04/25/09 12:53	JM	9D24059	8082

Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

	Sample	Data				Dil	Date	Lab		
Analyte	Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	1200	250	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	1200	75	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	1200	60	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	1200	310	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	2200	400	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	1200	180	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	1200	280	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	1200	77	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	1200	58	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	1200	14	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	1200	35	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	2200	370	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	1200	52	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	1200	1000	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	2200	260	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	2200	390	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	1200	360	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	1200	47	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	1200	340	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	1200	24	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	2200	64	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	2200	130	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	2200	280	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	1200	9.3	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	1200	59	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Anthracene	47	H8, D02,J	1200	29	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	1200	51	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	1200	130	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(a)anthracene	140	H8, D02,J	1200	20	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(a)pyrene	140	H8, D02,L1, J	1200	28	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(b)fluoranthene	190	H8, D02,J	1200	22	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(ghi)perylene	120	H8, D02,J	1200	14	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(k)fluoranthene	83	H8, D02,J	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	1200	71	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	1200	62	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	1200	99	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropylane)	ND	H8, D02	1200	120	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	840	H8, D02,B, J	1200	370	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	1200	310	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	1200	490	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Carbazole	ND	H8, D02	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Chrysene	200	H8, D02,J	1200	11	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	ND	H8, D02	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-03 (S-2 - Solid) - cont.

Sampled: 03/20/09 14:30

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	1200	12	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	1200	35	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	1200	30	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	1200	390	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02,L	1200	27	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Fluoranthene	300	H8, D02,J	1200	17	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Fluorene	ND	H8, D02	1200	26	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	1200	57	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	1200	58	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	1200	350	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	1200	88	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	95	H8, D02,J	1200	32	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Isophorone	ND	H8, D02	1200	57	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Naphthalene	ND	H8, D02	1200	19	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	1200	51	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	1200	90	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02,L	1200	62	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	2200	390	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Phenanthrene	160	H8, D02,J	1200	24	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Phenol	ND	H8, D02	1200	120	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Pyrene	220	H8, D02,J	1200	7.4	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C

2,4,6-Tribromophenol	90 %	H8, D02	Surr Limits: (39-146%)			04/29/09 00:43	DCW	9D22028	8270C
2-Fluorobiphenyl	81 %	H8, D02	Surr Limits: (37-120%)			04/29/09 00:43	DCW	9D22028	8270C
2-Fluorophenol	70 %	H8, D02	Surr Limits: (18-120%)			04/29/09 00:43	DCW	9D22028	8270C
Nitrobenzene-d5	78 %	H8, D02	Surr Limits: (34-132%)			04/29/09 00:43	DCW	9D22028	8270C
Phenol-d5	77 %	H8, D02	Surr Limits: (11-120%)			04/29/09 00:43	DCW	9D22028	8270C
p-Terphenyl-d14	91 %	H8, D02	Surr Limits: (58-147%)			04/29/09 00:43	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	11	2.2	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	11	3.2	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	11	2.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	11	7.1	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	11	6.4	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	11	8.1	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	110	46	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	11	2.7	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	11	2.7	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	11	4.3	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A

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Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid) - cont.						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	11	2.0	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	11	2.1	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	11	3.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	11	4.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	11	6.2	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	11	5.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	11	2.9	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	11	3.0	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	110	65	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	43 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 15:01	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	93 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 15:01	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	73		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

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Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-03RE1 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1221	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1232	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1242	ND	H4	23	4.9	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1248	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1254	ND	H4	23	4.8	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1260	ND	H4	23	4.8	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Decachlorobiphenyl	95 %	H4	Surr Limits: (34-148%)				04/25/09 13:37	JM	9D24059	8082
Tetrachloro-m-xylene	75 %	H4	Surr Limits: (35-134%)				04/25/09 13:37	JM	9D24059	8082

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Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid)						Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	380	82	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	380	25	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	730	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	380	58	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	380	92	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	380	25	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	380	4.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	380	12	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	730	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	380	330	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	730	86	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	730	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	380	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	380	15	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	380	110	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	380	8.0	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	730	21	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	730	42	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	730	91	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	380	4.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	380	3.1	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Anthracene	50	H8, D02,J	380	9.6	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	380	17	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	380	41	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(a)anthracene	210	H8, D02,J	380	6.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(a)pyrene	190	H8, D02,L1, J	380	9.0	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(b)fluoranthene	230	H8, D02,J	380	7.3	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(ghi)perylene	140	H8, D02,J	380	4.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(k)fluoranthene	81	H8, D02,J	380	4.1	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	380	23	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	380	32	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND	H8, D02	380	39	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	200	H8, D02,B, J	380	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	380	160	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Carbazole	18	H8, D02,J	380	4.3	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Chrysene	220	H8, D02,J	380	3.7	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	41	H8, D02,J	380	4.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-04 (S-3 - Solid) - cont.

Sampled: 03/20/09 14:45

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	380	3.9	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	380	11	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	380	9.8	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	380	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02,L	380	8.8	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Fluoranthene	430	H8, D02	380	5.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Fluorene	27	H8, D02,J	380	8.6	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	380	110	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	380	29	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	130	H8, D02,J	380	10	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Isophorone	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Naphthalene	37	H8, D02,J	380	6.2	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	380	30	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02,L	380	20	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	730	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Phenanthrene	200	H8, D02,J	380	7.9	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Phenol	ND	H8, D02	380	39	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Pyrene	360	H8, D02,J	380	2.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C

2,4,6-Tribromophenol	82 %	H8, D02	Surr Limits: (39-146%)				04/29/09 01:06	DCW	9D22028	8270C
2-Fluorobiphenyl	64 %	H8, D02	Surr Limits: (37-120%)				04/29/09 01:06	DCW	9D22028	8270C
2-Fluorophenol	62 %	H8, D02	Surr Limits: (18-120%)				04/29/09 01:06	DCW	9D22028	8270C
Nitrobenzene-d5	68 %	H8, D02	Surr Limits: (34-132%)				04/29/09 01:06	DCW	9D22028	8270C
Phenol-d5	70 %	H8, D02	Surr Limits: (11-120%)				04/29/09 01:06	DCW	9D22028	8270C
p-Terphenyl-d14	78 %	H8, D02	Surr Limits: (58-147%)				04/29/09 01:06	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	9.3	1.8	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	9.3	2.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	9.3	2.1	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	9.3	5.9	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	9.3	5.3	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	9.3	6.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	93	38	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	9.3	2.2	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	9.3	2.2	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	9.3	3.6	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid) - cont.						Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	9.3	1.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	9.3	1.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	9.3	3.0	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	9.3	3.8	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	9.3	5.1	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	9.3	4.6	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	9.3	2.4	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	9.3	2.5	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	93	54	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	72 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 15:37	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	98 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 15:37	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	89		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772
Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-04RE1 (S-3 - Solid)						Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1221	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1232	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1242	ND	H4	19	4.0	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1248	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1254	23	H4	19	3.9	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1260	ND	H4	19	3.9	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Decachlorobiphenyl	94 %	H4	Surr Limits: (34-148%)				04/25/09 13:52	JM	9D24059	8082
Tetrachloro-m-xylene	79 %	H4	Surr Limits: (35-134%)				04/25/09 13:52	JM	9D24059	8082

APPENDIX D

DATA USABILITY SUMMARY REPORTS

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

November 23, 2009

Lori Riker
Benchmark Env. Engineers
726 Exchange St. Suite 624
Buffalo, NY 14210

RE: **Data Usability Summary Report** for the 3773 Lake Shore Rd. site
TAL-Buffalo SDG No. RSC0772 and RSD0334

Dear Ms. Riker:

Review has been completed for the data package generated by TestAmerica Laboratory that pertains to samples collected between 03/20/09 and 06/02/09 at the 3773 Lake Shore Rd site. Three soil samples, a soil field duplicate, three aqueous samples, and an aqueous field duplicate were analyzed for TCL volatiles, TCL semivolatiles, TCL PCBs, TCL pesticides, and TAL metals. The aqueous samples were also analyzed for three herbicides. The analytical methods utilized are those of the USEPA SW846 6000/7000/8000.

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
- * 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, analyses for the semivolatiles, pesticides, and PCBs on the soil samples were not performed until more than a month after the samples were collected (extracted at 33 days to 35 days from collection, beyond the allowable 14 days). Additionally, those analyses were performed on containers that had been opened previously for the volatile/metals analyses. Therefore, results for any analytes in the soil samples that report no detection are not usable, and have been rejected. This includes all results for the pesticides and PCBs in the soil samples, and the majority of the semivolatile compounds. The detected semivolatile compound quantitative values should be considered as having potential seriously low bias. Although detected compounds can be assumed to be present in the samples, the concentrations may not be useful for determining the actual sample constituency.

Results for pesticides in two aqueous samples that report no detection are not usable due to an apparent matrix effect.

Additional qualifications are made due to matrix or processing issues.

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. Also attached are the sample report forms annotated to reflect the qualifications recommended within this report.

The following text discusses quality issues of concern.

Chains-of-Custody

The custody pertaining to the soil samples requested only volatile and metals processing.

The following anomalies were observed on the custody for the aqueous samples (RSD0334):

- the trip blank, which was received broken, was not entered on the custody
- no times of collection were present on the custody of 04/09/09
- the laboratory receipt date and time were inconsistent with the collection dates for the custody 04/09/09
- no time of release was present on the custody for samples collected 04/27/09 and 06/02/09
- an uninitialed write-over was present on the collection time for 06/02/09
- an uninitialed strike-over was present on the release time associated with the semivolatile fraction

The aqueous samples were collected for the various analytical fractions at varying timeframes (between 04/09/09 and 06/02/09).

Data Package Completeness

The soil package RSC0772 was resubmitted to include the delayed analyses, and again resubmitted to provide omitted backup documentation for semivolatiles and pesticides.

The laboratory case narratives do not discuss the specifics of the projects. They are not signed, and they do not include the “verbatim” statement required of the NYSDEC ASP Category B deliverables

No dates for the metals linear range or instrument parameter determinations were provided in the data packages. These would be required for full validation review.

Upon request, the laboratory resubmitted the semivolatile aqueous MDL summaries to reflect current values, and resubmitted cleaned-up mass spectra of low-level detections, thus supporting the reported results for samples in RSD0334.

Field Duplicate Correlation

The aqueous field duplicate evaluation on GW-1 shows good correlations. The soil field duplicate correlation of S-1 shows elevated correlations for chromium (115%RPD), manganese (107%RPD), and vanadium (81%RPD). Results for those three compounds in the parent sample and its duplicate are therefore qualified as estimated in value.

Volatiles by EPA 8260B

Results for analytes initially reported with the “E” flag are derived from the dilution analyses, reflecting responses within instrument calibration range.

Matrix spikes were processed in duplicate on S-1 and GW-1. The recoveries and correlations for The evaluated analytes in GW-1 were acceptable (or elevated for analytes not detected in the parent sample). Chlorobenzene produced low recoveries in both spikes of S-1, and results for that analyte in the parent sample and the field duplicate are therefore qualified as estimated in value.

Holding time requirements were met. Surrogate and internal standard responses meet protocol requirements. Blanks show no contamination. Calibrations standards showed acceptable responses.

Semivolatiles by EPA 8270C

Results for analytes showing no detection in the soil samples are rejected and not usable due to outlying holding time to extraction. Detected results in the soil samples are qualified as estimated, and may have a significant low bias.

Benzaldehyde results in the soil samples are additionally rejected due to lack of recovery in the associated Laboratory Control Sample (LCS).

The result for carbazole in S-1 has been qualified as tentative in identification and estimated in value (“NJ”) due to poor mass spectral quality.

Detected results for bis(2-ethylhexyl)phthalate in the soil samples are edited to reflect non-detection due to presence in the associated method blank.

MW-C1 and MW-C2 show low recoveries for five of the six surrogate standards. The samples should have been re-extracted and reanalyzed, but were not. All semivolatile results for those two samples are therefore qualified as estimated in value, with a possible low bias.

Calibrations standards associated with the aqueous samples show acceptable responses, with the exception of that for 2,4-dinitrophenol (27%RSD). Results for that compound in the aqueous samples have been qualified as estimated in value.

Matrix spikes were processed in duplicate on S-1 and GW-1. The recoveries and correlations for the evaluated analytes were acceptable (or elevated for analytes either not detected in the parent samples or already qualified).

Internal standard responses meet protocol requirements.

Sample MW-C2 was reported at a twofold dilution, thus producing elevated reporting limits for analytes not detected in the sample.

Pesticides, PCBs, and Herbicides by EPA 8081A, 8082, and 8151

Results for PCBs and pesticides in the soil samples, with the exception of that for Aroclor 1260 in S-3 (the only detection) are rejected, and not usable, due to outlying holding time to extraction. The result for Aroclor 1260 in S-3 is qualified as estimated not only due to outlying holding time, but also to the elevated dual column quantitative correlation (47%RPD).

MW-C1 and MW-C2 produced recoveries for at least one surrogate standard below 10% in the pesticide analyses. Therefore, results for pesticides those samples are rejected, and not usable. Detected results in those samples are qualified as estimated in value.

Many of the detected pesticides in the aqueous samples show elevated dual column quantitative correlation. Those results have been qualified either as estimated, tentative in identification and estimated in value, or edited to reflect non-detection, depending on the degree of variance.

Matrix spikes were processed in duplicate for pesticides and Aroclors 1016 and 1260 on S-1 and GW-1, and for herbicides on GW-1. The recoveries and correlations are acceptable.

Calibration standards associated with the aqueous samples produce acceptable responses.

Pesticide chromatograms are not scaled to ASP Category B requirements.

TAL Metals by EPA 6010B, 7470, and 7471

Matrix spike recoveries and duplicate correlations for TAL metals on GW-1 and for mercury on S-1 show acceptable accuracy and precision. Although requested on the custody, no matrix spikes or duplicate evaluation were formed on S-1 for the ICP elements. Therefore, the matrix effect of the soil has not been evaluated. No batch QC accuracy and precision were provided.

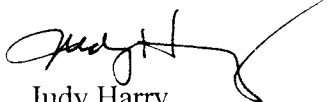
Iron produced a response above the reporting limit in calibration blanks associated with the aqueous samples. The associated samples show responses above the required level of ten times higher than the blank, with the exception of GW-1 and the blind duplicate. Those samples should have been re-analyzed in a compliant sequence, and the elevated blank concentrations should have been discussed in the laboratory case narrative. The detections of iron in GW-1 and Blind Dup are therefore considered as potential external contamination, and have been edited to reflect non-detection at elevated reporting limits.

Laboratory blank summaries report only raw responses, and are thereby not in the required Category B formats.

The ICP serial dilution evaluation for the aqueous matrix was performed on GW-1, and shows an elevated correlation for manganese (13%D). Results for that element in the aqueous samples have been qualified as estimated. The laboratory did not perform the ICP serial dilution evaluation on a project soil sample. The batch QC serial dilution evaluation shows outlying correlations for chromium, cobalt, iron, magnesium, manganese, vanadium, and zinc. Although not the project matrix, results for those elements in the soil samples have been qualified as estimated.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,



Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

- U** The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
- J** The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- UJ** The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
- NJ** The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- R** The data are unusable. The analyte may or may not be present.
- EMPC** The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

**CLIENT and LABORATORY SAMPLE IDs
and CASE NARRATIVES**

ANALYSES DATA PACKAGE COVER PAGE**8260B**

Laboratory: TestAmerica Buffalo

SDG: RSD0334

Client: Benchmark Environmental & Engineering Science

Project: Benchmark - NY4A9217

Client Sample Id:**Lab Sample Id:**

MW-C1

RSD0334-01

MW-C2

RSD0334-02

MW-C3

RSD0334-03

GW-1

RSD0334-04

BLIND DUP

RSD0334-07

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
BLIND DUP	RSD0334-07	Water	04/06/09 12:00	04/07/09 10:20	P23
BLIND DUP	RSD0414-07	Water	04/09/09 12:00	04/09/09 17:15	
BLIND DUP	RSD1121-07	Water	04/27/09 12:06	04/28/09 11:45	
BLIND DUP	RSE0607-07	Water	05/15/09 12:00	05/15/09 17:15	
BLIND DUP	RSF0070-07	Water	06/02/09 12:00	06/02/09 14:35	
GW-1	RSD0334-04	Water	04/06/09	04/07/09 10:20	P23
GW-1	RSD0414-04	Water	04/09/09 15:30	04/09/09 17:15	
GW-1	RSD1121-04	Water	04/27/09 10:19	04/28/09 11:45	
GW-1	RSE0607-04	Water	05/15/09	05/15/09 17:15	
GW-1	RSF0070-04	Water	06/02/09 10:05	06/02/09 14:35	
MW-C1	RSD0334-01	Water	04/06/09	04/07/09 10:20	P23
MW-C1	RSD0414-01	Water	04/09/09 14:15	04/09/09 17:15	
MW-C1	RSD1121-01	Water	04/27/09 09:45	04/28/09 11:45	
MW-C1	RSE0607-01	Water	05/15/09	05/15/09 17:15	
MW-C1	RSF0070-01	Water	06/02/09 09:10	06/02/09 14:35	
MW-C2	RSD0334-02	Water	04/06/09	04/07/09 10:20	P23
MW-C2	RSD0414-02	Water	04/09/09 14:30	04/09/09 17:15	
MW-C2	RSD1121-02	Water	04/27/09 09:02	04/28/09 11:45	
MW-C2	RSE0607-02	Water	05/15/09	05/15/09 17:15	
MW-C2	RSF0070-02	Water	06/02/09 09:46	06/02/09 14:35	
MW-C3	RSD0334-03	Water	04/06/09	04/07/09 10:20	P23
MW-C3	RSD0414-03	Water	04/09/09 14:50	04/09/09 17:15	
MW-C3	RSD1121-03	Water	04/27/09 09:28	04/28/09 11:45	
MW-C3	RSE0607-03	Water	05/15/09	05/15/09 17:15	
MW-C3	RSF0070-03	Water	06/02/09 09:28	06/02/09 14:35	

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Sample Summary

SAMPLE IDENTIFICATION	LAB NUMBER	Client Matrix	Date/Time Sampled	Date/Time Received
S-1	RSC0772-01	Solid	03/20/09 14:15	03/23/09 17:40
BLIND DUP	RSC0772-02	Solid	03/20/09 12:00	03/23/09 17:40
S-2	RSC0772-03	Solid	03/20/09 14:30	03/23/09 17:40
S-3	RSC0772-04	Solid	03/20/09 14:45	03/23/09 17:40

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Case Narrative

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. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Trip blank was received broken.

For method 8151, the Matrix Spike Duplicate (9F04038-MSD1) for sample GW-1 (RSF0070-04) was inadvertently not spiked in the sample preparation department.

There are pertinent documents appended to this report, 4 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Case Narrative

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. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Due to laboratory oversight, client requested MS/MSD analysis was not performed for the TAL metals (not including mercury).

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Case Narrative

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. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

QUALIFIED SAMPLE RESULTS FORMS

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Client ID: BLIND DUP (RSD0334-07 - Water)

Sampled: 04/06/09 12:00

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods

Aluminum	ND		0.200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Barium	0.122		0.0020	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Calcium	156		0.5	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Iron	ND	U	0.050	0.43	NR	1.00	04/13/09 15:33	AH	9D09083	6010B
Lead	ND		0.0050	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Magnesium	101		0.200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Manganese	0.0234	J	0.0030	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Potassium	9.18		0.500	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Sodium	184		1.0	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	04/10/09 17:04	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:58	MM	9D09045	7470A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD0334-07 - Water) - cont.						Sampled: 04/06/09 12:00		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	04/18/09 01:50	CDC	9D17097	8260B
1,2-Dichloroethane-d4	99 %		Surr Limits: (66-137%)				04/18/09 01:50	CDC	9D17097	8260B
4-Bromofluorobenzene	108 %		Surr Limits: (73-120%)				04/18/09 01:50	CDC	9D17097	8260B
Toluene-d8	113 %		Surr Limits: (71-126%)				04/18/09 01:50	CDC	9D17097	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

	Sample	Data				Dil	Date	Lab		
Analyte	Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Client ID: BLIND DUP (RSD0414-07 - Water)						Sampled: 04/09/09 12:00		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		4.7	0.93	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dichlorophenol	ND		4.7	0.74	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dimethylphenol	ND		4.7	0.91	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dinitrophenol	ND	u3	9.4	2.1	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND		4.7	0.48	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Chloronaphthalene	ND		4.7	0.079	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Chlorophenol	ND		4.7	0.48	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Methylnaphthalene	ND		4.7	0.077	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Methylphenol	ND		4.7	0.22	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Nitroaniline	ND		9.4	0.47	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2-Nitrophenol	ND		4.7	0.57	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.35	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
3-Nitroaniline	ND		9.4	1.5	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.85	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND		4.7	0.56	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Chloroaniline	ND		4.7	0.31	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.16	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Methylphenol	ND		9.4	0.55	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Nitroaniline	ND		9.4	0.43	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
4-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Acenaphthylene	ND		4.7	0.044	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Acetophenone	ND		4.7	0.96	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Anthracene	ND		4.7	0.053	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Atrazine	ND		4.7	1.0	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(a)anthracene	ND		4.7	0.060	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(a)pyrene	ND		4.7	0.086	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(b)fluoranthene	ND		4.7	0.059	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(ghi)perylene	ND		4.7	0.074	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND		4.7	0.062	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Biphenyl	ND		4.7	0.062	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.35	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.17	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND		4.7	0.40	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Bis(2-ethylhexyl)phthalate	ND		4.7	4.5	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Butyl benzyl phthalate	ND		4.7	1.6	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Caprolactam	ND		4.7	4.3	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Carbazole	ND		4.7	0.084	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Chrysene	ND		4.7	0.26	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.19	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD0414-07 - Water) - cont.						Sampled: 04/09/09 12:00		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		4.7	0.092	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Diethyl phthalate	ND		4.7	0.10	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Dimethyl phthalate	ND		4.7	0.28	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Di-n-butyl phthalate	0.53	J	4.7	0.28	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Di-n-octyl phthalate	ND		4.7	0.23	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Fluoranthene	0.28	J	4.7	0.093	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Fluorene	ND		4.7	0.070	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachlorobenzene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachlorobutadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Hexachloroethane	ND		4.7	2.7	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.14	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Isophorone	ND		4.7	0.30	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Naphthalene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Nitrobenzene	ND		4.7	0.51	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.43	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND		4.7	0.25	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Pentachlorophenol	ND		9.4	4.8	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Phenanthrene	0.48	J	4.7	0.11	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Phenol	ND		4.7	0.42	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
Pyrene	0.25	J	4.7	0.064	ug/L	1.00	05/04/09 15:56	MKP	9D10106	8270C
2,4,6-Tribromophenol	97 %		Surr Limits: (52-132%)				05/04/09 15:56	MKP	9D10106	8270C
2-Fluorobiphenyl	83 %		Surr Limits: (48-120%)				05/04/09 15:56	MKP	9D10106	8270C
2-Fluorophenol	41 %		Surr Limits: (20-120%)				05/04/09 15:56	MKP	9D10106	8270C
Nitrobenzene-d5	87 %		Surr Limits: (46-120%)				05/04/09 15:56	MKP	9D10106	8270C
Phenol-d5	31 %		Surr Limits: (16-120%)				05/04/09 15:56	MKP	9D10106	8270C
p-Terphenyl-d14	85 %		Surr Limits: (24-136%)				05/04/09 15:56	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSD1121-07 - Water)						Sampled: 04/27/09 12:06		Recvd: 04/28/09 11:45		
<u>Organochlorine Pesticides by EPA Method 8081A</u>										
4,4'-DDD [2C]	ND		0.047	0.016	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.047	0.0057	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
gamma-Chlordane [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND		0.047	0.0050	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Methoxychlor [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.47	0.11	ug/L	1.00	04/30/09 18:54	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	63 %		Surr Limits: (15-139%)				04/30/09 18:54	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	93 %		Surr Limits: (30-139%)				04/30/09 18:54	DGB	9D28110	8081A

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSE0607-07 - Water)						Sampled: 05/15/09 12:00		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1221	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1232	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1242	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1248	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1254	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Aroclor 1260	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:21	JM	9E18109	8082
Decachlorobiphenyl	75 %	QSU	Surr Limits: (12-137%)				05/20/09 14:21	JM	9E18109	8082
Tetrachloro-m-xylene	75 %	QSU	Surr Limits: (35-121%)				05/20/09 14:21	JM	9E18109	8082

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Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: BLIND DUP (RSF0070-07 - Water)						Sampled: 06/02/09 12:00		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.47	0.14	ug/L	1.00	06/08/09 13:57	DGB	9F04038	8151A
2,4-D [2C]	ND		0.47	0.10	ug/L	1.00	06/08/09 13:57	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.47	0.11	ug/L	1.00	06/08/09 13:57	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	75 %		Surr Limits: (19-128%)				06/08/09 13:57	DGB	9F04038	8151A

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Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Client ID: GW-1 (RSD0334-04 - Water)

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods

Aluminum	ND		0.200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Barium	0.117		0.0020	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Calcium	145		0.5	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Iron	ND 0.450 U		0.0500.46	NR	mg/L	1.00	04/13/09 15:08	AH	9D09083	6010B
Lead	ND		0.0050	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Magnesium	96.6		0.200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Manganese	0.0209 J		0.0030	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Potassium	9.19		0.500	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Sodium	190		1.0	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Zinc	ND		0.0100	NR	mg/L	1.00	04/10/09 16:27	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:49	MM	9D09045	7470A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	M7	1.0	0.31	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
2-Hexanone	ND	M7	5.0	1.2	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
4-Methyl-2-pentanone	ND	M7	5.0	0.91	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Acetone	ND	M7	5.0	1.3	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD0334-04 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND	M7	1.0	0.26	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chlorobenzene	ND	M7	1.0	0.32	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Chloromethane	ND	M7	1.0	0.35	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Dichlorodifluoromethane	ND	M7	1.0	0.29	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND	M7	1.0	0.16	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	04/18/09 01:26	CDC	9D17097	8260B
1,2-Dichloroethane-d4	100 %		Surr Limits: (66-137%)					04/18/09 01:26	CDC	9D17097
4-Bromofluorobenzene	108 %	Surr Limits: (73-120%)					04/18/09 01:26	CDC	9D17097	8260B
Toluene-d8	112 %	Surr Limits: (71-126%)					04/18/09 01:26	CDC	9D17097	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

	Sample	Data				Dil	Date	Lab		
Analyte	Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Client ID: GW-1 (RSD0414-04 - Water)						Sampled: 04/09/09 15:30		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	US	24	2.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND		9.4	2.9	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dichlorophenol	ND		9.4	0.80	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dimethylphenol	ND		9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dinitrophenol	ND		47	2.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND		9.4	1.2	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Chloronaphthalene	ND		9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Chlorophenol	ND		9.4	1.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Methylnaphthalene	ND		9.4	1.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2-Methylphenol	ND	9.4	2.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
2-Nitroaniline	ND	47	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
2-Nitrophenol	ND	9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
3,3'-Dichlorobenzidine	ND	19	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
3-Nitroaniline	ND	47	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4,6-Dinitro-2-methylphenol	ND	47	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Bromophenyl phenyl ether	ND	9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Chloro-3-methylphenol	ND	9.4	1.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Chloroaniline	ND	9.4	0.94	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Chlorophenyl phenyl ether	ND	9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Methylphenol	ND	4.7	0.55	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Nitroaniline	ND	47	2.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
4-Nitrophenol	ND	47	2.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Acenaphthene	ND	9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Acenaphthylene	ND	9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Acetophenone	ND	9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Anthracene	ND	9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Atrazine	ND	9.4	9.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Benzaldehyde	ND	47	19	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Benzo(a)anthracene	ND	9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Benzo(a)pyrene	ND	9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Benzo(b)fluoranthene	ND	9.4	2.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Benzo(ghi)perylene	ND	9.4	2.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Benzo(k)fluoranthene	ND	9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Biphenyl	ND	9.4	9.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Bis(2-chloroethoxy)methane	ND	9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Bis(2-chloroethyl)ether	ND	9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
2,2'-Oxybis(1-Chloropropane)	ND	9.4	0.94	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Bis(2-ethylhexyl)phthalate	ND	9.4	2.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Butyl benzyl phthalate	ND	9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Caprolactam	ND	9.4	9.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Carbazole	ND	4.7	0.084	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Chrysene	ND	9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	
Dibenzo(a,h)anthracene	ND	9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C	

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD0414-04 - Water) - cont.						Sampled: 04/09/09 15:30		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		9.4	1.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Diethyl phthalate	ND		9.4	1.6	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Dimethyl phthalate	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Di-n-butyl phthalate	ND		9.4	1.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Di-n-octyl phthalate	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Fluoranthene	ND		9.4	1.9	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Fluorene	ND		9.4	1.7	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachlorobenzene	ND		9.4	2.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachlorobutadiene	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND		9.4	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Hexachloroethane	ND		9.4	0.80	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		9.4	3.0	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Isophorone	ND		9.4	1.1	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Naphthalene	ND		9.4	1.2	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Nitrobenzene	ND		9.4	1.9	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		9.4	0.94	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND		9.4	1.2	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Pentachlorophenol	ND		47	3.5	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Phenanthrene	ND		9.4	1.3	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Phenol	ND		9.4	2.4	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
Pyrene	ND		9.4	1.8	ug/L	1.00	05/04/09 15:33	MKP	9D10106	8270C
2,4,6-Tribromophenol	99 %		Surr Limits: (52-132%)				05/04/09 15:33	MKP	9D10106	8270C
2-Fluorobiphenyl	84 %		Surr Limits: (48-120%)				05/04/09 15:33	MKP	9D10106	8270C
2-Fluorophenol	39 %		Surr Limits: (20-120%)				05/04/09 15:33	MKP	9D10106	8270C
Nitrobenzene-d5	87 %		Surr Limits: (46-120%)				05/04/09 15:33	MKP	9D10106	8270C
Phenol-d5	29 %		Surr Limits: (16-120%)				05/04/09 15:33	MKP	9D10106	8270C
p-Terphenyl-d14	87 %		Surr Limits: (24-136%)				05/04/09 15:33	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSD1121-04 - Water)						Sampled: 04/27/09 10:19		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	ND		0.047	0.016	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.047	0.0057	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
gamma-Chlordane [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND		0.047	0.0050	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Methoxychlor [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.47	0.11	ug/L	1.00	04/30/09 17:06	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	67 %		Surr Limits: (15-139%)				04/30/09 17:06	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	89 %		Surr Limits: (30-139%)				04/30/09 17:06	DGB	9D28110	8081A

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSE0607-04 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1221	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1232	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1242	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1248	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1254	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Aroclor 1260	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 14:07	JM	9E18109	8082
Decachlorobiphenyl	74 %	QSU	Surr Limits: (12-137%)				05/20/09 14:07	JM	9E18109	8082
Tetrachloro-m-xylene	82 %	QSU	Surr Limits: (35-121%)				05/20/09 14:07	JM	9E18109	8082

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Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: GW-1 (RSF0070-04 - Water)						Sampled: 06/02/09 10:05		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.47	0.14	ug/L	1.00	06/08/09 13:27	DGB	9F04038	8151A
2,4-D [2C]	ND		0.47	0.10	ug/L	1.00	06/08/09 13:27	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.47	0.11	ug/L	1.00	06/08/09 13:27	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	74 %		Surr Limits: (19-128%)				06/08/09 13:27	DGB	9F04038	8151A

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Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Client ID: MW-C1 (RSD0334-01 - Water)

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods

Aluminum	246	P10	0.200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Antimony	ND	P10	0.0200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Arsenic	0.0348	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Barium	0.619	P10	0.0020	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Beryllium	0.0113	P10	0.0020	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Cadmium	ND	P10	0.0010	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Calcium	257	P10	0.5	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Chromium	0.354	P10	0.0040	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Cobalt	0.0974	P10	0.0040	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Copper	0.164	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Iron	245	P10	0.050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Lead	0.128	P10	0.0050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Magnesium	86.2	P10	0.200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Manganese	2.51	P10	0.0030	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Nickel	0.383	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Potassium	72.0	P10	0.500	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Selenium	ND	P10	0.0150	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Silver	ND	P10	0.0030	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Sodium	208	P10	1.0	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Thallium	ND	P10	0.0200	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Vanadium	0.325	P10	0.0050	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Zinc	0.621	P10	0.0100	NR	mg/L	1.00	04/10/09 16:12	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:45	MM	9D09045	7470A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
2-Butanone	11		5.0	1.3	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
2-Hexanone	1.9	J	5.0	1.2	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
4-Methyl-2-pentanone	2.0	J	5.0	0.91	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Acetone	27		5.0	1.3	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Benzene	1.6		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Bromodichloromethane	1.1		1.0	0.39	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD0334-01 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Carbon disulfide	1.0		1.0	0.19	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloroform	8.9		1.0	0.34	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Cyclohexane	54		1.0	0.53	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Ethylbenzene	2.2		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methylcyclohexane	39		1.0	0.50	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Toluene	15		1.0	0.51	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
Xylenes, total	48		2.0	0.66	ug/L	1.00	04/18/09 00:15	CDC	9D17097	8260B
1,2-Dichloroethane-d4	101 %		Surr Limits: (66-137%)				04/18/09 00:15	CDC	9D17097	8260B
4-Bromofluorobenzene	109 %		Surr Limits: (73-120%)				04/18/09 00:15	CDC	9D17097	8260B
Toluene-d8	111 %		Surr Limits: (71-126%)				04/18/09 00:15	CDC	9D17097	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD0414-01 - Water)						Sampled: 04/09/09 14:15		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	UJ	4.7	0.94	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4,6-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dichlorophenol	ND		4.7	0.75	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dimethylphenol	2.0	J J	4.7	0.91	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dinitrophenol	ND	UJ	9.5	2.1	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,6-Dinitrotoluene	ND		4.7	0.48	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Chloronaphthalene	ND		4.7	0.080	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Chlorophenol	ND		4.7	0.48	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Methylnaphthalene	3.2	J J	4.7	0.078	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Methylphenol	0.61	J J	4.7	0.22	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Nitroaniline	ND	UJ	9.5	0.47	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2-Nitrophenol	ND		4.7	0.57	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.36	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
3-Nitroaniline	ND		9.5	1.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		9.5	2.2	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.85	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Chloro-3-methylphenol	ND		4.7	0.56	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Chloroaniline	ND		4.7	0.31	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.16	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Methylphenol	ND		9.5	0.55	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Nitroaniline	ND		9.5	0.43	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
4-Nitrophenol	ND		9.5	1.4	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Acenaphthylene	ND		4.7	0.045	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Acetophenone	ND		4.7	0.97	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Anthracene	ND		4.7	0.053	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Atrazine	ND		4.7	1.0	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(a)anthracene	0.60	J J	4.7	0.061	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(a)pyrene	0.31	J	4.7	0.086	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(b)fluoranthene	0.46	J	4.7	0.060	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(ghi)perylene	0.21	J	4.7	0.074	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Benzo(k)fluoranthene	0.34	J	4.7	0.063	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Biphenyl	0.44	J	4.7	0.062	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-chloroethoxy)methane	ND	UJ	4.7	0.36	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.17	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,2'-Oxybis(1-Chloropropyl)ane	ND		4.7	0.40	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Bis(2-ethylhexyl)phthalate	4.7	J	4.7	4.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Butyl benzyl phthalate	ND	UJ	4.7	1.6	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Caprolactam	ND	UJ	4.7	4.4	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Carbazole	0.33	J J	4.7	0.084	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Chrysene	1.0	J J	4.7	0.26	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Dibenzo(a,h)anthracene	ND	UJ	4.7	0.19	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD0414-01 - Water) - cont.						Sampled: 04/09/09 14:15		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND	uJ	4.7	0.093	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Diethyl phthalate	0.55	JJ	4.7	0.10	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Dimethyl phthalate	ND	uJ	4.7	0.28	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Di-n-butyl phthalate	0.45	JJ	4.7	0.28	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Di-n-octyl phthalate	ND	uJ	4.7	0.23	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Fluoranthene	1.4	JJ	4.7	0.093	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Fluorene	1.1	JJ	4.7	0.070	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachlorobenzene	ND	uJ	4.7	0.42	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachlorobutadiene	ND	↓	4.7	2.5	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachlorocyclopentadiene	ND	↓	4.7	2.4	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Hexachloroethane	ND	uJ	4.7	2.7	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND	↓	4.7	0.15	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Isophorone	ND	↓	4.7	0.30	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Naphthalene	0.74	JJ	4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Nitrobenzene	ND	uJ	4.7	0.51	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
N-Nitrosodi-n-propylamine	ND	↓	4.7	0.43	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
N-Nitrosodiphenylamine	ND	↓	4.7	0.25	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Pentachlorophenol	ND	↓	9.5	4.9	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Phenanthrene	2.9	JJ	4.7	0.11	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Phenol	ND	uJ	4.7	0.42	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
Pyrene	ND	uJ	4.7	0.065	ug/L	1.00	05/01/09 19:41	JLG	9D10106	8270C
2,4,6-Tribromophenol	43 %	Z	Surr Limits: (52-132%)				05/01/09 19:41	JLG	9D10106	8270C
2-Fluorobiphenyl	32 %	Z	Surr Limits: (48-120%)				05/01/09 19:41	JLG	9D10106	8270C
2-Fluorophenol	19 %	Z	Surr Limits: (20-120%)				05/01/09 19:41	JLG	9D10106	8270C
Nitrobenzene-d5	59 %		Surr Limits: (46-120%)				05/01/09 19:41	JLG	9D10106	8270C
Phenol-d5	15 %	Z	Surr Limits: (16-120%)				05/01/09 19:41	JLG	9D10106	8270C
p-Terphenyl-d14	13 %	Z	Surr Limits: (24-136%)				05/01/09 19:41	JLG	9D10106	8270C

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Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSD1121-01 - Water)						Sampled: 04/27/09 09:45		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	0.050	J NJ	0.054	0.018	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
4,4'-DDE [2C]	ND	R	0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Aldrin [2C]	ND		0.054	0.0071	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.054	0.0071	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.054	0.016	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.054	0.027	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Chlordane [2C]	ND		0.54	0.054	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
delta-BHC [2C]	ND 0.070		0.054	0.011	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.054	0.021	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.054	0.026	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan II [2C]	0.023	J NJ	0.054	0.021	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND	R	0.054	0.017	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endrin [2C]	ND		0.054	0.015	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.054	0.018	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.054	0.022	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.054	0.0065	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
gamma-Chlordane [2C]	0.036	J NJ	0.054	0.012	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Heptachlor [2C]	ND	R	0.054	0.0091	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Heptachlor epoxide [2C]	0.071	NJ	0.054	0.0057	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Methoxychlor [2C]	0.10	J	0.054	0.015	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Toxaphene [2C]	ND	R	0.54	0.13	ug/L	1.00	04/30/09 15:19	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	.	Z	Surr Limits: (15-139%)				04/30/09 15:19	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	14 %	Z	Surr Limits: (30-139%)				04/30/09 15:19	DGB	9D28110	8081A

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSE0607-01 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1221	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1232	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1242	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1248	ND		0.50	0.17	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1254	ND		0.50	0.25	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Aroclor 1260	ND		0.50	0.25	ug/L	1.00	05/20/09 13:22	JM	9E18109	8082
Decachlorobiphenyl	42 %		Surr Limits: (12-137%)				05/20/09 13:22	JM	9E18109	8082
Tetrachloro-m-xylene	73 %		Surr Limits: (35-121%)				05/20/09 13:22	JM	9E18109	8082

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C1 (RSF0070-01 - Water)						Sampled: 06/02/09 09:10		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.60	0.18	ug/L	1.00	06/08/09 11:58	DGB	9F04038	8151A
2,4-D [2C]	ND		0.60	0.13	ug/L	1.00	06/08/09 11:58	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.60	0.14	ug/L	1.00	06/08/09 11:58	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	62 %		Surr Limits: (19-128%)				06/08/09 11:58	DGB	9F04038	8151A

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0334-02 - Water)						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Aluminum	4.23		0.200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Barium	0.0193		0.0020	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Calcium	24.7		0.5	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Chromium	0.0125		0.0040	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Iron	3.69		0.050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Lead	0.0141		0.0050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Magnesium	5.06	J	0.200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Manganese	0.0637		0.0030	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Potassium	12.7		0.500	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Sodium	59.0		1.0	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Vanadium	0.0077		0.0050	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Zinc	0.0576		0.0100	NR	mg/L	1.00	04/10/09 16:17	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:46	MM	9D09045	7470A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
2-Butanone	9.7		5.0	1.3	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
4-Methyl-2-pentanone	1.3	J	5.0	0.91	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Acetone	46		5.0	1.3	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Benzene	4.0		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Bromodichloromethane	0.46	J	1.0	0.39	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0334-02 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloroform	2.9		1.0	0.34	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Cyclohexane	~~420~~ 130		1.0	0.53	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Ethylbenzene	0.48	J	1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methylcyclohexane	70		1.0	0.50	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Toluene	23		1.0	0.51	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
e										
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
Xylenes, total	26		2.0	0.66	ug/L	1.00	04/18/09 00:39	CDC	9D17097	8260B
1,2-Dichloroethane-d4	102 %		Surr Limits: (66-137%)				04/18/09 00:39	CDC	9D17097	8260B
4-Bromofluorobenzene	108 %		Surr Limits: (73-120%)				04/18/09 00:39	CDC	9D17097	8260B
Toluene-d8	111 %		Surr Limits: (71-126%)				04/18/09 00:39	CDC	9D17097	8260B

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0414-02 - Water)						Sampled: 04/09/09 14:30		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	D02	9.4	1.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND	D02	9.4	1.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dichlorophenol	ND	D02	9.4	1.5	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dimethylphenol	ND	D02	9.4	1.8	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dinitrophenol	ND	D02	19	4.2	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND	D02	9.4	0.84	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND	D02	9.4	0.96	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Chloronaphthalene	ND	D02	9.4	0.16	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Chlorophenol	ND	D02	9.4	0.95	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Methylnaphthalene	ND	D02	9.4	0.15	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Methylphenol	ND	D02	9.4	0.43	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Nitroaniline	ND	D02	19	0.94	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2-Nitrophenol	ND	D02	9.4	1.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND	D02	9.4	0.71	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
3-Nitroaniline	ND	D02	19	2.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND	D02	19	4.3	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND	D02	9.4	1.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND	D02	9.4	1.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Chloroaniline	ND	D02	9.4	0.62	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND	D02	9.4	0.32	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Methylphenol	ND	D02	19	1.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Nitroaniline	ND	D02	19	0.86	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
4-Nitrophenol	ND	D02	19	2.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Acenaphthene	ND	D02	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Acenaphthylene	ND	D02	9.4	0.089	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Acetophenone	ND	D02	9.4	1.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Anthracene	0.57	D02,J	9.4	0.11	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Atrazine	ND	D02	9.4	2.1	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzaldehyde	ND	D02	9.4	0.51	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(a)anthracene	0.49	D02,J	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(a)pyrene	ND	D02	9.4	0.17	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(b)fluoranthene	0.66	D02,J	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(ghi)perylene	ND	D02	9.4	0.15	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND	D02	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Biphenyl	ND	D02	9.4	0.12	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND	D02	9.4	0.71	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND	D02	9.4	0.34	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropane)	ND	D02	9.4	0.80	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Bis(2-ethylhexyl)phthalate	ND	D02	9.4	9.0	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Butyl benzyl phthalate	ND	D02	9.4	3.3	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Caprolactam	ND	D02	9.4	8.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Carbazole	ND	D02	9.4	0.17	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Chrysene	0.79	D02,J	9.4	0.52	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND	D02	9.4	0.38	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C

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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD0414-02 - Water) - cont.						Sampled: 04/09/09 14:30		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND	D02	9.4	0.18	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Diethyl phthalate	ND	D02	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Dimethyl phthalate	ND	D02	9.4	0.57	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Di-n-butyl phthalate	0.92	D02,J	9.4	0.56	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Di-n-octyl phthalate	ND	D02	9.4	0.45	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Fluoranthene	2.0	D02,J	9.4	0.19	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Fluorene	ND	D02	9.4	0.14	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachlorobenzene	ND	D02	9.4	0.84	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachlorobutadiene	ND	D02	9.4	4.9	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND	D02	9.4	4.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Hexachloroethane	ND	D02	9.4	5.3	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND	D02	9.4	0.29	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Isophorone	ND	D02	9.4	0.60	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Naphthalene	ND	D02	9.4	0.22	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Nitrobenzene	ND	D02	9.4	1.0	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND	D02	9.4	0.85	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND	D02	9.4	0.49	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Pentachlorophenol	ND	D02	19	9.7	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Phenanthrene	2.5	D02,J	9.4	0.21	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Phenol	ND	D02	9.4	0.84	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
Pyrene	1.7	D02,J	9.4	0.13	ug/L	2.00	05/04/09 14:46	MKP	9D10106	8270C
2,4,6-Tribromophenol	39 %	D02,Z	Surr Limits: (52-132%)				05/04/09 14:46	MKP	9D10106	8270C
2-Fluorobiphenyl	37 %	D02,Z	Surr Limits: (48-120%)				05/04/09 14:46	MKP	9D10106	8270C
2-Fluorophenol	17 %	D02,Z	Surr Limits: (20-120%)				05/04/09 14:46	MKP	9D10106	8270C
Nitrobenzene-d5	37 %	D02,Z	Surr Limits: (46-120%)				05/04/09 14:46	MKP	9D10106	8270C
Phenol-d5	13 %	D02,Z	Surr Limits: (16-120%)				05/04/09 14:46	MKP	9D10106	8270C
p-Terphenyl-d14	35 %	D02	Surr Limits: (24-136%)				05/04/09 14:46	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSD1121-02 - Water)						Sampled: 04/27/09 09:02		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	0.032	J	0.047	0.016	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
4,4'-DDE [2C]	ND	R	0.047	0.011	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
beta-BHC [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	ND		0.047	0.0057	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
gamma-Chlordane [2C]	0.023	J	0.047	0.010	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Heptachlor [2C]	ND	R	0.047	0.0080	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND	R	0.047	0.0050	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Methoxychlor [2C]	0.043	J	0.047	0.013	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Toxaphene [2C]	ND	R	0.47	0.11	ug/L	1.00	04/30/09 15:54	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	9 %	Z	Surr Limits: (15-139%)				04/30/09 15:54	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	77 %		Surr Limits: (30-139%)				04/30/09 15:54	DGB	9D28110	8081A

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSE0607-02 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1221	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1232	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1242	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1248	ND		0.47	0.17	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1254	ND		0.47	0.24	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Aroclor 1260	ND		0.47	0.24	ug/L	1.00	05/20/09 13:37	JM	9E18109	8082
Decachlorobiphenyl	28 %		Surr Limits: (12-137%)				05/20/09 13:37	JM	9E18109	8082
Tetrachloro-m-xylene	74 %		Surr Limits: (35-121%)				05/20/09 13:37	JM	9E18109	8082

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Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C2 (RSF0070-02 - Water)						Sampled: 06/02/09 09:46		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.47	0.14	ug/L	1.00	06/08/09 12:28	DGB	9F04038	8151A
2,4-D [2C]	ND		0.47	0.10	ug/L	1.00	06/08/09 12:28	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.47	0.11	ug/L	1.00	06/08/09 12:28	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	62 %		Surr Limits: (19-128%)				06/08/09 12:28	DGB	9F04038	8151A

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Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Client ID: MW-C3 (RSD0334-03 - Water)

Sampled: 04/06/09

Recvd: 04/07/09 10:20

Total Metals by SW 846 Series Methods

Aluminum	1.22		0.200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Antimony	ND		0.0200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Arsenic	ND		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Barium	0.0183		0.0020	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Beryllium	ND		0.0020	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Cadmium	ND		0.0010	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Calcium	59.2		0.5	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Chromium	ND		0.0040	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Cobalt	ND		0.0040	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Copper	ND		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Iron	1.51		0.050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Lead	0.0060		0.0050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Magnesium	34.6		0.200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Manganese	0.0567	J	0.0030	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Nickel	ND		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Potassium	12.1		0.500	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Selenium	ND		0.0150	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Silver	ND		0.0030	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Sodium	220		1.0	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Thallium	ND		0.0200	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Vanadium	ND		0.0050	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Zinc	0.0226		0.0100	NR	mg/L	1.00	04/10/09 16:22	AH	9D09083	6010B
Mercury	ND		0.0002	NR	mg/L	1.00	04/09/09 16:48	MM	9D09045	7470A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Acetone	9.5		5.0	1.3	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Bromodichloromethane	0.92	J	1.0	0.39	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09
Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0334-03 - Water) - cont.						Sampled: 04/06/09		Recvd: 04/07/09 10:20		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromoform	ND		1.0	0.26	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloroform	4.3		1.0	0.34	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Cyclohexane	0.73	J	1.0	0.53	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methylcyclohexane	0.57	J	1.0	0.50	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
Xylenes, total	2.8		2.0	0.66	ug/L	1.00	04/18/09 01:03	CDC	9D17097	8260B
1,2-Dichloroethane-d4	99 %		Surr Limits: (66-137%)				04/18/09 01:03	CDC	9D17097	8260B
4-Bromofluorobenzene	110 %		Surr Limits: (73-120%)				04/18/09 01:03	CDC	9D17097	8260B
Toluene-d8	113 %		Surr Limits: (71-126%)				04/18/09 01:03	CDC	9D17097	8260B

Benchmark Environmental & Engineering Science
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SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
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Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0414-03 - Water)						Sampled: 04/09/09 14:50		Recvd: 04/09/09 23:58		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	u5	4.7	0.93	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4,6-Trichlorophenol	ND		4.7	0.94	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dichlorophenol	ND		4.7	0.74	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dimethylphenol	ND		4.7	0.91	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dinitrophenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,6-Dinitrotoluene	ND		4.7	0.48	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Chloronaphthalene	ND		4.7	0.079	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Chlorophenol	ND		4.7	0.48	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Methylnaphthalene	ND		4.7	0.077	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Methylphenol	ND		4.7	0.22	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Nitroaniline	ND		9.4	0.47	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2-Nitrophenol	ND		4.7	0.57	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
3,3'-Dichlorobenzidine	ND		4.7	0.35	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
3-Nitroaniline	ND		9.4	1.5	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Bromophenyl phenyl ether	ND		4.7	0.85	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Chloro-3-methylphenol	ND		4.7	0.56	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Chloroaniline	ND		4.7	0.31	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Chlorophenyl phenyl ether	ND		4.7	0.16	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Methylphenol	ND		9.4	0.55	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Nitroaniline	ND		9.4	0.43	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
4-Nitrophenol	ND		9.4	1.4	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Acenaphthylene	ND		4.7	0.044	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Acetophenone	ND		4.7	0.96	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Anthracene	0.20	J	4.7	0.053	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Atrazine	ND		4.7	1.0	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzaldehyde	ND		4.7	0.25	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(a)anthracene	0.24	J	4.7	0.060	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(a)pyrene	0.24	J	4.7	0.086	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(b)fluoranthene	ND		4.7	0.059	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(ghi)perylene	ND		4.7	0.074	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Benzo(k)fluoranthene	ND		4.7	0.062	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Biphenyl	ND		4.7	0.062	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Bis(2-chloroethoxy)methane	ND		4.7	0.35	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Bis(2-chloroethyl)ether	ND		4.7	0.17	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,2'-Oxybis(1-Chloropropane)	ND		4.7	0.40	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Bis(2-ethylhexyl)phthalate	ND		4.7	4.5	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Butyl benzyl phthalate	ND		4.7	1.6	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Caprolactam	ND		4.7	4.3	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Carbazole	ND		4.7	0.084	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Chrysene	ND		4.7	0.26	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Dibenzo(a,h)anthracene	ND		4.7	0.19	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD0414-03 - Water) - cont.						Sampled: 04/09/09 14:50		Recvd: 04/09/09 23:58		
<u>Semivolatile Organics by GC/MS - cont.</u>										
Dibenzofuran	ND		4.7	0.092	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Diethyl phthalate	0.30	J	4.7	0.10	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Dimethyl phthalate	ND		4.7	0.28	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Di-n-butyl phthalate	0.83	J	4.7	0.28	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Di-n-octyl phthalate	ND		4.7	0.23	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Fluoranthene	0.49	J	4.7	0.093	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Fluorene	ND		4.7	0.070	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachlorobenzene	ND		4.7	0.42	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachlorobutadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachlorocyclopentadiene	ND		4.7	2.4	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Hexachloroethane	ND		4.7	2.7	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Indeno(1,2,3-cd)pyrene	ND		4.7	0.14	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Isophorone	ND		4.7	0.30	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Naphthalene	ND		4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Nitrobenzene	ND		4.7	0.51	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
N-Nitrosodi-n-propylamine	ND		4.7	0.43	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
N-Nitrosodiphenylamine	ND		4.7	0.25	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Pentachlorophenol	ND		9.4	4.8	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Phenanthrene	0.67	J	4.7	0.11	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Phenol	ND		4.7	0.42	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
Pyrene	0.54	J	4.7	0.064	ug/L	1.00	05/04/09 15:09	MKP	9D10106	8270C
2,4,6-Tribromophenol	100 %		Surr Limits: (52-132%)				05/04/09 15:09	MKP	9D10106	8270C
2-Fluorobiphenyl	86 %		Surr Limits: (48-120%)				05/04/09 15:09	MKP	9D10106	8270C
2-Fluorophenol	45 %		Surr Limits: (20-120%)				05/04/09 15:09	MKP	9D10106	8270C
Nitrobenzene-d5	94 %		Surr Limits: (46-120%)				05/04/09 15:09	MKP	9D10106	8270C
Phenol-d5	32 %		Surr Limits: (16-120%)				05/04/09 15:09	MKP	9D10106	8270C
p-Terphenyl-d14	85 %		Surr Limits: (24-136%)				05/04/09 15:09	MKP	9D10106	8270C

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSD1121-03 - Water)						Sampled: 04/27/09 09:28		Recvd: 04/28/09 11:45		
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD [2C]	ND		0.047	0.016	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
4,4'-DDE [2C]	ND		0.047	0.011	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
4,4'-DDT [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Aldrin [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
alpha-BHC [2C]	ND		0.047	0.0062	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
alpha-Chlordane [2C]	ND		0.047	0.014	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
beta-BHC [2C]	ND ~~0.024~~	J	0.047	0.023	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Chlordane [2C]	ND		0.47	0.047	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
delta-BHC [2C]	ND		0.047	0.0095	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Dieldrin [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endosulfan I [2C]	ND		0.047	0.023	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endosulfan II [2C]	ND		0.047	0.018	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endosulfan sulfate [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endrin [2C]	ND		0.047	0.013	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endrin aldehyde [2C]	ND		0.047	0.015	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Endrin ketone [2C]	ND		0.047	0.019	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
gamma-BHC (Lindane) [2C]	0.038	J	0.047	0.0057	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
gamma-Chlordane [2C]	ND		0.047	0.010	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Heptachlor [2C]	ND		0.047	0.0080	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Heptachlor epoxide [2C]	ND		0.047	0.0050	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Methoxychlor [2C]	0.061	NS	0.047	0.013	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Toxaphene [2C]	ND		0.47	0.11	ug/L	1.00	04/30/09 16:30	DGB	9D28110	8081A
Decachlorobiphenyl [2C]	14 %	Z	Surr Limits: (15-139%)				04/30/09 16:30	DGB	9D28110	8081A
Tetrachloro-m-xylene [2C]	73 %		Surr Limits: (30-139%)				04/30/09 16:30	DGB	9D28110	8081A

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSE0607-03 - Water)						Sampled: 05/15/09		Recvd: 05/15/09 22:49		
<u>Polychlorinated Biphenyls by EPA Method 8082</u>										
Aroclor 1016	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1221	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1232	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1242	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1248	ND	QSU	0.47	0.17	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1254	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Aroclor 1260	ND	QSU	0.47	0.24	ug/L	1.00	05/20/09 13:52	JM	9E18109	8082
Decachlorobiphenyl	37 %	QSU	Surr Limits: (12-137%)				05/20/09 13:52	JM	9E18109	8082
Tetrachloro-m-xylene	79 %	QSU	Surr Limits: (35-121%)				05/20/09 13:52	JM	9E18109	8082

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

SDG Number: RSD0334

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 04/07/09-06/02/09

Reported: 06/26/09 12:29

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-C3 (RSF0070-03 - Water)						Sampled: 06/02/09 09:28		Recvd: 06/02/09 14:35		
<u>Herbicides</u>										
2,4,5-T [2C]	ND		0.54	0.16	ug/L	1.00	06/08/09 12:57	DGB	9F04038	8151A
2,4-D [2C]	ND		0.54	0.12	ug/L	1.00	06/08/09 12:57	DGB	9F04038	8151A
Silvex (2,4,5-TP) [2C]	ND		0.54	0.12	ug/L	1.00	06/08/09 12:57	DGB	9F04038	8151A
2,4-Dichlorophenylacetic acid [2C]	50 %		Surr Limits: (19-128%)				06/08/09 12:57	DGB	9F04038	8151A

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
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Sample ID: RSC0772-01 (S-1 - Solid)

Sampled: 03/20/09 14:15

Recvd: 03/23/09 17:40

General Chemistry Parameters

Percent Solids	71		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	11600		14.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Antimony	ND		21.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Arsenic	4.4		2.9	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Barium	40.5		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Beryllium	0.692		0.285	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Cadmium	ND		0.285	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Calcium	93300	D08	357	NA	mg/kg dry	5.00	03/28/09 01:29	AH	9C24054	6010B
Chromium	36.0	J	0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Cobalt	11.5	J	0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Copper	33.6		1.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Iron	25500	J	14.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Lead	17.6		1.4	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Magnesium	9040	J	28.5	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Manganese	606	J	0.3	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Nickel	39.4		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Potassium	3060		42.8	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Selenium	ND		5.7	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Silver	ND		0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Sodium	1610		200	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Thallium	ND		8.6	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Vanadium	19.7	J	0.713	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Zinc	64.1	J	2.9	NA	mg/kg dry	1.00	03/26/09 15:52	AH	9C24054	6010B
Mercury	ND		0.0276	NA	mg/kg dry	1.00	03/25/09 15:47	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		7.0	0.51	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND		7.0	1.1	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		7.0	0.35	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.0	0.74	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1-Dichloroethane	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,1-Dichloroethene	ND		7.0	0.85	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		7.0	0.42	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		7.0	1.4	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dibromoethane	ND		7.0	0.26	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		7.0	1.0	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dichloroethane	ND		7.0	0.35	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,2-Dichloropropane	ND		7.0	0.36	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		7.0	0.99	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		7.0	0.98	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
2-Butanone	ND		35	9.5	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
2-Hexanone	ND		35	2.4	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		35	2.3	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Acetone	27	J	35	2.8	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Benzene	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B

TestAmerica Buffalo

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Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid) - cont.						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		7.0	0.36	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Bromoform	ND		7.0	0.64	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Bromomethane	ND		7.0	0.64	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Carbon disulfide	ND		7.0	0.60	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Carbon Tetrachloride	ND		7.0	0.25	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chlorobenzene	ND	UJ M8	7.0	0.30	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Dibromochloromethane	ND		7.0	0.39	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chloroethane	ND		7.0	1.1	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chloroform	ND		7.0	0.43	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Chloromethane	ND		7.0	0.48	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		7.0	0.40	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Cyclohexane	1.7	J	7.0	0.32	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		7.0	0.58	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Ethylbenzene	ND		7.0	0.48	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Isopropylbenzene	ND		7.0	0.46	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methyl Acetate	ND		7.0	0.24	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		7.0	0.21	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methylcyclohexane	2.8	J	7.0	0.45	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Methylene Chloride	ND		7.0	0.49	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Styrene	ND		7.0	0.35	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Tetrachloroethene	ND		7.0	0.94	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Toluene	ND	M8	7.0	0.71	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		7.0	0.72	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		7.0	0.34	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Trichloroethene	ND		7.0	0.48	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Trichlorofluoromethane	ND		7.0	2.2	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Vinyl chloride	ND		14	0.28	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Xylenes, total	ND		14	1.2	ug/kg dry	1.00	03/25/09 02:37	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)							110 %	03/25/09 02:37	CDC	9C24064 8260B
Surr: p-Bromofluorobenzene (72-126%)							105 %	03/25/09 02:37	CDC	9C24064 8260B
Surr: Toluene-d8 (71-125%)							110 %	03/25/09 02:37	CDC	9C24064 8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid)					Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40			

General Chemistry Parameters

Percent Solids	88		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	10600		12.0	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Antimony	ND		18.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Arsenic	4.0		2.4	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Barium	32.8		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Beryllium	0.616		0.241	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Cadmium	ND		0.241	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Calcium	96100	D08	301	NA	mg/kg dry	5.00	03/28/09 01:34	AH	9C24054	6010B
Chromium	134	J	0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Cobalt	10.1	J	0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Copper	27.5		1.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Iron	27000	J	12.0	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Lead	14.7		1.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Magnesium	9470	J	24.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Manganese	2010	J	0.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Nickel	34.7		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Potassium	2600		36.1	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Selenium	ND		4.8	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Silver	ND		0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Sodium	1100		169	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Thallium	ND		7.2	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Vanadium	47.4	J	0.602	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Zinc	61.3	J	2.4	NA	mg/kg dry	1.00	03/26/09 15:57	AH	9C24054	6010B
Mercury	ND		0.0215	NA	mg/kg dry	1.00	03/25/09 15:54	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		5.6	0.40	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND		5.6	0.90	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		5.6	0.28	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	0.59	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1-Dichloroethane	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,1-Dichloroethene	ND		5.6	0.68	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		5.6	1.1	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dibromoethane	ND		5.6	0.21	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		5.6	0.84	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dichloroethane	ND		5.6	0.28	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,2-Dichloropropane	ND		5.6	0.29	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		5.6	0.79	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		5.6	0.78	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
2-Butanone	ND		28	7.6	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
2-Hexanone	ND		28	1.9	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		28	1.8	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Acetone	13	J	28	2.2	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Benzene	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid) - cont.						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		5.6	0.29	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Bromoform	ND		5.6	0.51	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Bromomethane	ND		5.6	0.51	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Carbon disulfide	ND		5.6	0.48	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Carbon Tetrachloride	ND		5.6	0.20	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chlorobenzene	ND	W	5.6	0.24	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Dibromochloromethane	ND		5.6	0.31	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chloroethane	ND		5.6	0.90	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chloroform	ND		5.6	0.34	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Chloromethane	ND		5.6	0.38	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		5.6	0.32	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Cyclohexane	ND		5.6	0.26	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		5.6	0.46	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Ethylbenzene	ND		5.6	0.38	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Isopropylbenzene	ND		5.6	0.36	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methyl Acetate	ND		5.6	0.19	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.6	0.17	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methylcyclohexane	ND		5.6	0.36	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Methylene Chloride	ND		5.6	0.39	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Styrene	ND		5.6	0.28	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Tetrachloroethene	ND		5.6	0.75	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Toluene	ND		5.6	0.57	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		5.6	0.57	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		5.6	0.27	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Trichloroethene	ND		5.6	0.38	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Trichlorofluoromethane	ND		5.6	1.7	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Vinyl chloride	ND		11	0.23	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Xylenes, total	ND		11	0.93	ug/kg dry	1.00	03/25/09 03:54	CDC	9C24064	8260B
Surr. 1,2-Dichloroethane-d4 (61-136%)	112 %						03/25/09 03:54	CDC	9C24064	8260B
Surr. p-Bromofluorobenzene (72-126%)	106 %						03/25/09 03:54	CDC	9C24064	8260B
Surr. Toluene-d8 (71-125%)	112 %						03/25/09 03:54	CDC	9C24064	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Received: 03/23/09
Reported: 04/17/09 12:41

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		

General Chemistry Parameters

Percent Solids	73		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	5920		14.5	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Antimony	ND		21.7	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Arsenic	ND		2.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Barium	18.4		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Beryllium	0.369		0.289	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Cadmium	ND		0.289	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Calcium	45800		72.3	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Chromium	15.0	J	0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Cobalt	6.04	J	0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Copper	17.6		1.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Iron	13400	J	14.5	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Lead	12.4	J	1.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Magnesium	3740	J	28.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Manganese	315	J	0.3	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Nickel	21.7		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Potassium	1640		43.4	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Selenium	ND		5.8	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Silver	ND		0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Sodium	919		202	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Thallium	ND		8.7	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Vanadium	9.27	J	0.723	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Zinc	32.8	J	2.9	NA	mg/kg dry	1.00	03/26/09 16:17	AH	9C24054	6010B
Mercury	ND		0.0254	NA	mg/kg dry	1.00	03/25/09 15:56	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND		6.5	0.47	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1,1,2-Tetrachloroethane	ND		6.5	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	0.69	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1-Dichloroethane	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,1-Dichloroethene	ND		6.5	0.80	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND		6.5	0.40	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND		6.5	1.3	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dibromoethane	ND		6.5	0.25	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND		6.5	0.98	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dichloroethane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,2-Dichloropropane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND		6.5	0.92	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND		6.5	0.91	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
2-Butanone	ND		33	8.9	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
2-Hexanone	ND		33	2.3	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND		33	2.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Acetone	29	J	33	2.6	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Benzene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid) - cont.						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		6.5	0.33	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Bromoform	ND		6.5	0.60	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Bromomethane	ND		6.5	0.60	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Carbon disulfide	ND		6.5	0.56	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Carbon Tetrachloride	ND		6.5	0.24	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chlorobenzene	ND		6.5	0.28	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Dibromochloromethane	ND		6.5	0.36	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chloroethane	ND		6.5	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chloroform	ND		6.5	0.40	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Chloromethane	ND		6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		6.5	0.37	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Cyclohexane	26		6.5	0.30	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		6.5	0.54	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Ethylbenzene	2.0	J	6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Isopropylbenzene	ND		6.5	0.43	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methyl Acetate	ND		6.5	0.22	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		6.5	0.20	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methylcyclohexane	88		6.5	0.42	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Methylene Chloride	ND		6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Styrene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Tetrachloroethene	ND		6.5	0.87	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Toluene	3.4	J	6.5	0.66	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		6.5	0.67	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		6.5	0.32	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Trichloroethene	ND		6.5	0.45	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Trichlorofluoromethane	ND		6.5	2.0	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Vinyl chloride	ND		13	0.27	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Xylenes, total	21		13	1.1	ug/kg dry	1.00	03/25/09 04:20	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)							03/25/09 04:20	CDC	9C24064	8260B
Surr: p-Bromofluorobenzene (72-126%)							03/25/09 04:20	CDC	9C24064	8260B
Surr: Toluene-d8 (71-125%)							03/25/09 04:20	CDC	9C24064	8260B

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Received: 03/23/09
Reported: 04/17/09 12:41

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
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Sample ID: RSC0772-04 (S-3 - Solid)

Sampled: 03/20/09 14:45

Recvd: 03/23/09 17:40

General Chemistry Parameters

Percent Solids	89		0.010	NA	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight
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Total Metals by SW 846 Series Methods

Aluminum	9270		11.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Antimony	ND		17.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Arsenic	6.9		2.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Barium	60.4		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Beryllium	0.619		0.231	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Cadmium	0.430		0.231	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Calcium	52500	D08	289	NA	mg/kg dry	5.00	03/28/09 01:39	AH	9C24054	6010B
Chromium	38.0	J	0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Cobalt	8.76	J	0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Copper	71.9	J	1.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Iron	34900	J	11.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Lead	59.8	J	1.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Magnesium	6620	J	23.1	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Manganese	699	J	0.2	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Nickel	36.1		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Potassium	1830		34.7	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Selenium	ND		4.6	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Silver	ND		0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Sodium	499		162	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Thallium	ND		6.9	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Vanadium	20.1	J	0.578	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Zinc	198	J	2.3	NA	mg/kg dry	1.00	03/26/09 16:34	AH	9C24054	6010B
Mercury	0.112		0.0227	NA	mg/kg dry	1.00	03/25/09 15:57	MM	9C24027	7471A

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	ND	5.4	0.39	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1,2,2-Tetrachloroethane	ND	5.4	0.87	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1,2-Trichloroethane	ND	5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.4	0.57	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1-Dichloroethane	ND	5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,1-Dichloroethene	ND	5.4	0.66	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2,4-Trichlorobenzene	ND	5.4	0.33	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dibromoethane	ND	5.4	0.20	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dichlorobenzene	ND	5.4	0.81	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dichloroethane	ND	5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,2-Dichloropropane	ND	5.4	0.28	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,3-Dichlorobenzene	ND	5.4	0.76	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
1,4-Dichlorobenzene	ND	5.4	0.75	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
2-Butanone	ND	27	7.3	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
2-Hexanone	ND	27	1.9	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
4-Methyl-2-pentanone	ND	27	1.8	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Acetone	46	27	2.1	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Benzene	ND	5.4	0.26	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B

TestAmerica Buffalo

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THE LEADER IN ENVIRONMENTAL TESTING

Benchmark Environmental & Engineering Science
726 Exchange Street, Suite 624
Buffalo, NY 14210

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 04/17/09 12:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid) - cont.					Sampled: 03/20/09 14:45			Recvd: 03/23/09 17:40		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Bromodichloromethane	ND		5.4	0.28	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Bromoform	ND		5.4	0.50	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Bromomethane	ND		5.4	0.49	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Carbon disulfide	1.6	J	5.4	0.46	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Carbon Tetrachloride	ND		5.4	0.20	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chlorobenzene	ND		5.4	0.23	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Dibromochloromethane	ND		5.4	0.30	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chloroethane	ND		5.4	0.87	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chloroform	ND		5.4	0.33	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Chloromethane	ND		5.4	0.37	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
cis-1,2-Dichloroethene	ND		5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
cis-1,3-Dichloropropene	ND		5.4	0.31	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Cyclohexane	ND		5.4	0.25	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Dichlorodifluoromethane	ND		5.4	0.45	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Ethylbenzene	ND		5.4	0.37	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Isopropylbenzene	ND		5.4	0.35	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methyl Acetate	ND		5.4	0.18	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.4	0.16	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methylcyclohexane	ND		5.4	0.35	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Methylene Chloride	2.9	J	5.4	0.38	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Styrene	ND		5.4	0.27	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Tetrachloroethene	ND		5.4	0.72	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Toluene	ND		5.4	0.55	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
trans-1,3-Dichloropropene	ND		5.4	0.26	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Trichloroethene	ND		5.4	0.37	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Trichlorofluoromethane	ND		5.4	1.7	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Vinyl chloride	ND		11	0.22	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Xylenes, total	ND		11	0.90	ug/kg dry	1.00	03/25/09 04:45	CDC	9C24064	8260B
Surr: 1,2-Dichloroethane-d4 (61-136%)							03/25/09 04:45	CDC	9C24064	8260B
Surr: p-Bromofluorobenzene (72-126%)							03/25/09 04:45	CDC	9C24064	8260B
Surr: Toluene-d8 (71-125%)							03/25/09 04:45	CDC	9C24064	8260B

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid)						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	480	100	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	480	31	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	480	25	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	480	130	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	930	170	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	480	73	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	480	120	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	480	32	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	480	5.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	480	15	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	930	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	480	22	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	480	420	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	930	110	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	930	160	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	480	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	480	19	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	480	140	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	480	10	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	930	26	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	930	53	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	930	110	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	480	5.6	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	480	3.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Anthracene	53	H8, D02,J	480	12	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	480	21	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	480	52	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(a)anthracene	310	H8, D02,J	480	8.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(a)pyrene	290	H8, D02,J	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(b)fluoranthene	460	H8, D02,J	480	9.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(ghi)perylene	290	H8, D02,J	480	5.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Benzo(k)fluoranthene	140	H8, D02,J	480	5.2	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	480	29	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	480	26	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	480	41	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropane)	ND	H8, D02	480	49	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	ND	H8, D02,B	480	150	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	480	130	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	480	200	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Carbazole	65	H8, D02,J	480	5.5	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Chrysene	380	H8, D02,J	480	4.7	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	78	H8, D02,J	480	5.6	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-01 (S-1 - Solid) - cont.

Sampled: 03/20/09 14:15

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	480	4.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	480	14	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	480	12	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	480	160	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02.L	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Fluoranthene	790	H8, D02	480	6.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Fluorene	ND	H8, D02	480	11	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	480	140	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	480	37	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	260	H8, D02.J	480	13	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Isophorone	ND	H8, D02	480	24	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Naphthalene	ND	H8, D02	480	7.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	480	21	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	480	38	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02.L	480	26	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	930	160	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Phenanthrene	320	H8, D02.J	480	9.9	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Phenol	ND	H8, D02	480	50	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C
Pyrene	590	H8, D02	480	3.1	ug/kg dry	2.00	04/28/09 23:57	DCW	9D22028	8270C

2,4,6-Tribromophenol	89 %	H8, D02	Surr Limits: (39-146%)				04/28/09 23:57	DCW	9D22028	8270C
2-Fluorobiphenyl	86 %	H8, D02	Surr Limits: (37-120%)				04/28/09 23:57	DCW	9D22028	8270C
2-Fluorophenol	75 %	H8, D02	Surr Limits: (18-120%)				04/28/09 23:57	DCW	9D22028	8270C
Nitrobenzene-d5	88 %	H8, D02	Surr Limits: (34-132%)				04/28/09 23:57	DCW	9D22028	8270C
Phenol-d5	83 %	H8, D02	Surr Limits: (11-120%)				04/28/09 23:57	DCW	9D22028	8270C
p-Terphenyl-d14	86 %	H8, D02	Surr Limits: (58-147%)				04/28/09 23:57	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	12	2.2	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	12	3.3	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	12	2.6	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	12	7.3	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	12	6.5	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	12	8.3	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	120	47	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	12	2.8	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	12	2.8	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	12	4.4	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01 (S-1 - Solid) - cont.						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	~~ND~~	D10, QSU, H	12	2.1	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	12	2.1	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	12	3.7	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	12	4.7	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	12	6.4	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	12	5.7	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	12	3.0	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	12	3.1	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Toxaphene [2C]	~~ND~~	D10, QSU, H	120	67	ug/kg dry	5.00	04/27/09 16:13	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	58 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 16:13	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	103 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 16:13	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	71		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

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Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-01RE1 (S-1 - Solid)						Sampled: 03/20/09 14:15		Recvd: 03/23/09 17:40		
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1221	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1232	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1242	ND	H4	23	5.1	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1248	ND	H4	23	4.6	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1254	ND	H4	23	4.9	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Aroclor 1260	ND	H4	23	4.9	ug/kg dry	1.00	04/25/09 12:39	JM	9D24059	8082
Decachlorobiphenyl	93 %	H4	Surr Limits: (34-148%)				04/25/09 12:39	JM	9D24059	8082
Tetrachloro-m-xylene	76 %	H4	Surr Limits: (35-134%)				04/25/09 12:39	JM	9D24059	8082

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Reported: 10/13/09 14:00

Analytical Report

	Sample	Data				Dil	Date	Lab		
Analyte	Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid)						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	380	83	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	380	25	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	740	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	380	59	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	380	93	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	380	26	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	380	4.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	380	12	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	740	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	380	330	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	740	88	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	740	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	380	16	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	380	110	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	380	8.1	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	740	21	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	740	43	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	740	92	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	380	4.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	380	3.1	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Anthracene	46	H8, D02,J	380	9.7	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	380	17	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	380	42	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(a)anthracene	240	H8, D02,J	380	6.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(a)pyrene	230	H8, D02,J	380	9.2	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(b)fluoranthene	340	D02,L1, J	380	7.4	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(ghi)perylene	210	H8, D02,J	380	4.6	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Benzo(k)fluoranthene	110	H8, D02,J	380	4.2	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	380	24	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	380	21	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	380	33	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropane)	ND	H8, D02	380	40	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	ND	H8, D02,B	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	380	160	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Carbazole	54	H8, D02,J	380	4.4	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Chrysene	310	H8, D02,J	380	3.8	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	60	H8, D02,J	380	4.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-02 (BLIND DUP - Solid) - cont.

Sampled: 03/20/09 12:00

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	380	4.0	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	380	11	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	380	9.9	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	380	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02, L	380	8.9	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Fluoranthene	590	H8, D02	380	5.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Fluorene	ND	H8, D02	380	8.8	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	380	120	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	380	29	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	180	H8, D02, J	380	11	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Isophorone	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Naphthalene	ND	H8, D02	380	6.3	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	380	30	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02, L	380	21	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	740	130	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Phenanthrene	230	H8, D02, J	380	8.0	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Phenol	ND	H8, D02	380	40	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C
Pyrene	450	H8, D02	380	2.5	ug/kg dry	2.00	04/29/09 00:20	DCW	9D22028	8270C

2,4,6-Tribromophenol	93 %	H8, D02	Surr Limits: (39-146%)				04/29/09 00:20	DCW	9D22028	8270C
2-Fluorobiphenyl	87 %	H8, D02	Surr Limits: (37-120%)				04/29/09 00:20	DCW	9D22028	8270C
2-Fluorophenol	73 %	H8, D02	Surr Limits: (18-120%)				04/29/09 00:20	DCW	9D22028	8270C
Nitrobenzene-d5	85 %	H8, D02	Surr Limits: (34-132%)				04/29/09 00:20	DCW	9D22028	8270C
Phenol-d5	80 %	H8, D02	Surr Limits: (11-120%)				04/29/09 00:20	DCW	9D22028	8270C
p-Terphenyl-d14	89 %	H8, D02	Surr Limits: (58-147%)				04/29/09 00:20	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	9.4	1.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	9.4	2.7	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	9.4	2.1	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	9.4	5.9	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	9.4	5.3	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	9.4	6.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	9.4	38	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	9.4	2.3	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	9.4	2.3	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	9.4	3.6	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-02 (BLIND DUP - Solid) - cont.						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	9.4	1.7	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	9.4	1.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	9.4	3.0	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	9.4	3.8	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	9.4	5.2	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	9.4	4.7	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	9.4	2.4	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	9.4	2.5	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	9.4	55	ug/kg dry	5.00	04/27/09 14:25	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	142 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 14:25	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	105 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 14:25	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	88		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-02RE1 (BLIND DUP - Solid)						Sampled: 03/20/09 12:00		Recvd: 03/23/09 17:40		
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1221	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1232	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1242	ND	H4	19	4.0	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1248	ND	H4	19	3.6	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1254	ND	H4	19	3.9	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Aroclor 1260	ND	H4	19	3.9	ug/kg dry	1.00	04/25/09 12:53	JM	9D24059	8082
Decachlorobiphenyl	95 %	H4	Surr Limits: (34-148%)				04/25/09 12:53	JM	9D24059	8082
Tetrachloro-m-xylene	78 %	H4	Surr Limits: (35-134%)				04/25/09 12:53	JM	9D24059	8082

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	1200	250	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	1200	75	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	1200	60	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	1200	310	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	2200	400	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	1200	180	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	1200	280	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	1200	77	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	1200	58	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	1200	14	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	1200	35	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	2200	370	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	1200	52	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	1200	1000	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	2200	260	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	2200	390	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	1200	360	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	1200	47	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	1200	340	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	1200	24	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	2200	64	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	2200	130	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	2200	280	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	1200	9.3	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Acetophenone	47	H8, D02,J	1200	59	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Anthracene	ND	H8, D02,L	1200	51	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Atrazine	ND	H8, D02	1200	130	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzaldehyde	140	H8, D02,J	1200	20	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(a)anthracene	140	H8, D02,J	1200	28	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(a)pyrene	190	H8, D02,J	1200	22	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(b)fluoranthene	120	H8, D02,J	1200	14	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(ghi)perylene	83	H8, D02,J	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Benzo(k)fluoranthene	ND	H8, D02	1200	71	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	1200	62	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	1200	99	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	1200	120	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropane)	ND	H8, D02	1200	370	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	ND	H8, D02,B,J	1200	310	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	1200	490	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Carbazole	200	H8, D02,J	1200	11	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Chrysene	ND	H8, D02	1200	13	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	ND	H8, D02	1200							

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-03 (S-2 - Solid) - cont.

Sampled: 03/20/09 14:30

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	R	1200	12	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02		1200	35	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02		1200	30	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02		1200	390	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02,L		1200	27	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Fluoranthene	300	H8, D02,J	J	1200	17	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Fluorene	ND	H8, D02		1200	26	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	R	1200	57	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02		1200	58	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02		1200	350	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02		1200	88	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	95	H8, D02,J	J	1200	32	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Isophorone	ND	H8, D02	R	1200	57	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Naphthalene	ND	H8, D02		1200	19	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02		1200	51	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02		1200	90	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02,L		1200	62	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02		2200	390	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Phenanthrene	160	H8, D02,J	J	1200	24	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Phenol	ND	H8, D02	R	1200	120	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
Pyrene	220	H8, D02,J	J	1200	7.4	ug/kg dry	5.00	04/29/09 00:43	DCW	9D22028	8270C
2,4,6-Tribromophenol	90 %	H8, D02		Surr Limits: (39-146%)				04/29/09 00:43	DCW	9D22028	8270C
2-Fluorobiphenyl	81 %	H8, D02		Surr Limits: (37-120%)				04/29/09 00:43	DCW	9D22028	8270C
2-Fluorophenol	70 %	H8, D02		Surr Limits: (18-120%)				04/29/09 00:43	DCW	9D22028	8270C
Nitrobenzene-d5	78 %	H8, D02		Surr Limits: (34-132%)				04/29/09 00:43	DCW	9D22028	8270C
Phenol-d5	77 %	H8, D02		Surr Limits: (11-120%)				04/29/09 00:43	DCW	9D22028	8270C
p-Terphenyl-d14	91 %	H8, D02		Surr Limits: (58-147%)				04/29/09 00:43	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	R	11	2.2	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H		11	3.2	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H		11	2.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H		11	7.1	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H		11	6.4	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H		11	8.1	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H		110	46	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H		11	2.7	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H		11	2.7	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H		11	4.3	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-03 (S-2 - Solid) - cont.						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	11	2.0	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	11	2.1	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	11	3.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	11	4.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	11	6.2	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	11	5.6	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	11	2.9	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	11	3.0	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	110	65	ug/kg dry	5.00	04/27/09 15:01	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	43 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 15:01	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	93 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 15:01	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	73		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

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Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

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Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-03RE1 (S-2 - Solid)						Sampled: 03/20/09 14:30		Recvd: 03/23/09 17:40		
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1221	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1232	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1242	ND	H4	23	4.9	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1248	ND	H4	23	4.4	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1254	ND	H4	23	4.8	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Aroclor 1260	ND	H4	23	4.8	ug/kg dry	1.00	04/25/09 13:37	JM	9D24059	8082
Decachlorobiphenyl	95 %	H4	Surr Limits: (34-148%)				04/25/09 13:37	JM	9D24059	8082
Tetrachloro-m-xylene	75 %	H4	Surr Limits: (35-134%)				04/25/09 13:37	JM	9D24059	8082

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

	Sample	Data				Dil	Date	Lab		
Analyte	Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid)						Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40		
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND	H8, D02	380	82	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4,6-Trichlorophenol	ND	H8, D02	380	25	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dichlorophenol	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dimethylphenol	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dinitrophenol	ND	H8, D02	730	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,4-Dinitrotoluene	ND	H8, D02	380	58	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,6-Dinitrotoluene	ND	H8, D02	380	92	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Chloronaphthalene	ND	H8, D02	380	25	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Chlorophenol	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Methylnaphthalene	ND	H8, D02	380	4.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Methylphenol	ND	H8, D02	380	12	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Nitroaniline	ND	H8, D02	730	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2-Nitrophenol	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
3,3'-Dichlorobenzidine	ND	H8, D02	380	330	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
3-Nitroaniline	ND	H8, D02	730	86	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4,6-Dinitro-2-methylphenol	ND	H8, D02	730	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Bromophenyl phenyl ether	ND	H8, D02	380	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Chloro-3-methylphenol	ND	H8, D02	380	15	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Chloroaniline	ND	H8, D02	380	110	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Chlorophenyl phenyl ether	ND	H8, D02	380	8.0	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Methylphenol	ND	H8, D02	730	21	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Nitroaniline	ND	H8, D02	730	42	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
4-Nitrophenol	ND	H8, D02	730	91	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Acenaphthene	ND	H8, D02	380	4.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Acenaphthylene	ND	H8, D02	380	3.1	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Acetophenone	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Anthracene	50	H8, D02,J	380	9.6	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Atrazine	ND	H8, D02,L	380	17	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzaldehyde	ND	H8, D02	380	41	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(a)anthracene	210	H8, D02,J	380	6.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(a)pyrene	190	H8, D02,L1, J	380	9.0	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(b)fluoranthene	230	H8, D02,J	380	7.3	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(ghi)perylene	140	H8, D02,J	380	4.5	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Benzo(k)fluoranthene	81	H8, D02,J	380	4.1	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Biphenyl	ND	H8, D02	380	23	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-chloroethoxy)methane	ND	H8, D02	380	20	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-chloroethyl)ether	ND	H8, D02	380	32	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
2,2'-Oxybis(1-Chloropropane)	ND	H8, D02	380	39	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Bis(2-ethylhexyl)phthalate	ND 280	H8, D02,B, J	380	120	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Butyl benzyl phthalate	ND	H8, D02	380	100	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Caprolactam	ND	H8, D02	380	160	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Carbazole	18	H8, D02,J	380	4.3	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Chrysene	220	H8, D02,J	380	3.7	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Dibenzo(a,h)anthracene	41	H8, D02,J	380	4.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C

TestAmerica Buffalo

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Received: 03/23/09
Reported: 10/13/09 14:00

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSC0772-04 (S-3 - Solid) - cont.

Sampled: 03/20/09 14:45

Recvd: 03/23/09 17:40

Semivolatile Organics by GC/MS - cont.

Dibenzofuran	ND	H8, D02	380	3.9	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Diethyl phthalate	ND	H8, D02	380	11	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Dimethyl phthalate	ND	H8, D02	380	9.8	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Di-n-butyl phthalate	ND	H8, D02	380	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Di-n-octyl phthalate	ND	H8, D02.L	380	8.8	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Fluoranthene	430	H8, D02	380	5.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Fluorene	27	H8, D02.J	380	8.6	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachlorobenzene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachlorobutadiene	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachlorocyclopentadiene	ND	H8, D02	380	110	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Hexachloroethane	ND	H8, D02	380	29	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Indeno(1,2,3-cd)pyrene	130	H8, D02.J	380	10	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Isophorone	ND	H8, D02	380	19	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Naphthalene	37	H8, D02.J	380	6.2	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Nitrobenzene	ND	H8, D02	380	17	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
N-Nitrosodi-n-propylamine	ND	H8, D02	380	30	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
N-Nitrosodiphenylamine	ND	H8, D02.L	380	20	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Pentachlorophenol	ND	H8, D02	730	130	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Phenanthrene	200	H8, D02.J	380	7.9	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Phenol	ND	H8, D02	380	39	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C
Pyrene	360	H8, D02.J	380	2.4	ug/kg dry	2.00	04/29/09 01:06	DCW	9D22028	8270C

2,4,6-Tribromophenol	82 %	H8, D02	Surr Limits: (39-146%)				04/29/09 01:06	DCW	9D22028	8270C
2-Fluorobiphenyl	64 %	H8, D02	Surr Limits: (37-120%)				04/29/09 01:06	DCW	9D22028	8270C
2-Fluorophenol	62 %	H8, D02	Surr Limits: (18-120%)				04/29/09 01:06	DCW	9D22028	8270C
Nitrobenzene-d5	68 %	H8, D02	Surr Limits: (34-132%)				04/29/09 01:06	DCW	9D22028	8270C
Phenol-d5	70 %	H8, D02	Surr Limits: (11-120%)				04/29/09 01:06	DCW	9D22028	8270C
p-Terphenyl-d14	78 %	H8, D02	Surr Limits: (58-147%)				04/29/09 01:06	DCW	9D22028	8270C

Organochlorine Pesticides by EPA Method 8081A

4,4'-DDD [2C]	ND	D10, QSU, H	9.3	1.8	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
4,4'-DDE [2C]	ND	D10, QSU, H	9.3	2.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
4,4'-DDT [2C]	ND	D10, QSU, H	9.3	2.1	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Aldrin [2C]	ND	D10, QSU, H	9.3	5.9	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
alpha-BHC [2C]	ND	D10, QSU, H	9.3	5.3	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
beta-BHC [2C]	ND	D10, QSU, H	9.3	6.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Chlordane [2C]	ND	D10, QSU, H	93	38	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
delta-BHC [2C]	ND	D10, QSU, H	9.3	2.2	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Dieldrin [2C]	ND	D10, QSU, H	9.3	2.2	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endosulfan I [2C]	ND	D10, QSU, H	9.3	3.6	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A

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Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site
Project Number: TURN

Received: 03/23/09
Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSC0772-04 (S-3 - Solid) - cont.						Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40		
<u>Organochlorine Pesticides by EPA Method 8081A - cont.</u>										
Endosulfan II [2C]	ND	D10, QSU, H	9.3	1.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endosulfan sulfate [2C]	ND	D10, QSU, H	9.3	1.7	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endrin [2C]	ND	D10, QSU, H	9.3	3.0	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Endrin aldehyde [2C]	ND	D10, QSU, H	9.3	3.8	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
gamma-BHC (Lindane) [2C]	ND	D10, QSU, H	9.3	5.1	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Heptachlor [2C]	ND	D10, QSU, H	9.3	4.6	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Heptachlor epoxide [2C]	ND	D10, QSU, H	9.3	2.4	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Methoxychlor [2C]	ND	D10, QSU, H	9.3	2.5	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Toxaphene [2C]	ND	D10, QSU, H	93	54	ug/kg dry	5.00	04/27/09 15:37	DGB	9D22026	8081A
Decachlorobiphenyl [2C]	72 %	D10, QSU, H	Surr Limits: (42-146%)				04/27/09 15:37	DGB	9D22026	8081A
Tetrachloro-m-xylene [2C]	98 %	D10, QSU, H	Surr Limits: (37-136%)				04/27/09 15:37	DGB	9D22026	8081A
<u>General Chemistry Parameters</u>										
Percent Solids	89		0.010	NR	%	1.00	03/25/09 12:58	SRW	9C24039	Dry Weight

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RSC0772

Project: Benchmark - 3773 Lakeshore Rd. site

Project Number: TURN

Received: 03/23/09

Reported: 10/13/09 14:00

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RSC0772-04RE1 (S-3 - Solid)						Sampled: 03/20/09 14:45		Recvd: 03/23/09 17:40			
<u>Polychlorinated Biphenyls by EPA Method 8082</u>											
Aroclor 1016	~~ND~~	H4	R ↓	19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1221	~~ND~~	H4		19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1232	~~ND~~	H4		19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1242	~~ND~~	H4		19	4.0	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1248	~~ND~~	H4		19	3.6	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1254	23	H4	J R	19	3.9	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Aroclor 1260	~~ND~~	H4		19	3.9	ug/kg dry	1.00	04/25/09 13:52	JM	9D24059	8082
Decachlorobiphenyl	94 %	H4	Surr Limits: (34-148%)					04/25/09 13:52	JM	9D24059	8082
Tetrachloro-m-xylene	79 %	H4	Surr Limits: (35-134%)					04/25/09 13:52	JM	9D24059	8082

APPENDIX E

LAND USE EVALUATION

APPENDIX E

LAND USE EVALUATION

The current, intended, and reasonably anticipated future land use of the Site and its immediate surroundings is commercial/light industrial (see Figure E-1). 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:** *3773 Lake Shore Road is a former storage tank manufacturing facility located within a commercial/light industrial area in the Town of Hamburg. The SB-18 Area is located on a parcel that is presently used for warehousing.*
- **Applicable zoning laws and maps:** *The Site is located in an area of the Town zoned commercial/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 area.*
- **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:** *There are no community master plans or local waterfront revitalization plans for this area. However in 2007, the Town of Hamburg received a Grant from New York State to assist with the construction of a bike path, for a project referred to as the "Lake Erie Shorefront Trail at Hoover Beach." This form of use (passive recreational) is categorized as a commercial use under 6NYCRR Part 375.*
- **Proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas:** *The Site is surrounded by commercial, light industrial, vacant, and public service properties. Land use beyond the Site boundaries includes mostly vacant, commercial, and community service properties.*
- **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:** *N/A.*
- **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 E

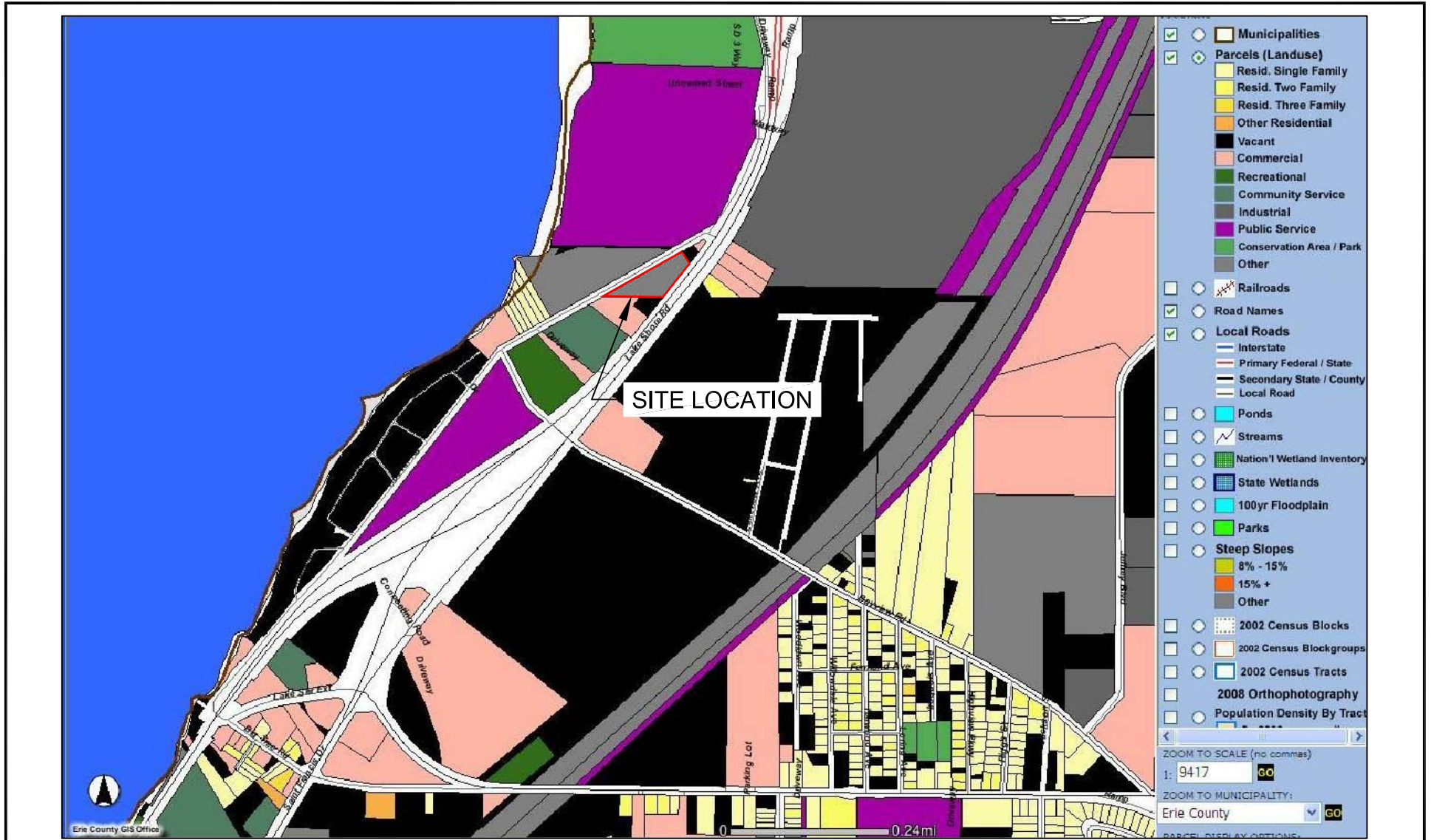
LAND USE EVALUATION

- **Federal or State land use designations:** *The U.S. Department of Agriculture Soil Conservation Service soil survey map of Erie County describes the general soil type at the Site as Brockport silty-clay loam.*
- **Population growth patterns and projections:** *The Town of Hamburg, encompassing 41.3 square miles, has a population of 56,259 persons according to the 2000 U.S. Census, an increase of 2,989 from the 1980 U.S. Census. This trend indicates a stable market, which supports keeping the Site zoned commercial.*
- **Accessibility to existing infrastructure:** *The Milestrip Expressway extension to I-90, Route 5, and several local roadways provide access to the Site. Existing sanitary sewer, supplied water, electrical, natural gas and communication utilities are available at the Site and are of sufficient capacity for commercial 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:** *The Erie County Internet Mapping System (Ref. 11) shows that State or Federal wetlands do not exist on the subject property. Federal wetlands are present approximately 0.55 miles southeast and 0.65 miles southwest of the Site.*
- **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:** *Groundwater at the Site is assigned Class "GA" by 6NYCRR Part 701.15. No potable wells or wellhead protection areas are known to exist within a one-mile radius of the Site.*
- **Proximity to flood plains:** *The Erie County Internet Mapping System indicates that the 100-year floodplain for Lake Erie is located approximately 0.1 mile west of the Site, indicating no significant flooding risk.*
- **Geography and geology:** *The Site is located in the Erie-Ontario Lake Plain Physiographic Province of Western New York., which is typified by little topographic relief and gentle slope toward Lake Erie. The geology of the Erie-Niagara Basin is described as consisting of unconsolidated deposits overlying Silurian- and Devonian-age sedimentary bedded or layered bedrock. The naturally occurring unconsolidated deposits in the area generally consist of the following three types: alluvial silt, sand, and gravel deposited during comparatively recent geologic time; lacustrine sediments composed primarily of silt, sand, and clay; and glacial till, a heterogeneous mixture of particles (i.e., clay, silt, sand, gravel, and cobbles). The bedrock formations in the region dip to the south at approximately 30 to 40 feet per mile and exhibit only very gentle folding. In the Erie-Niagara Basin, the major areas of groundwater are within glacial sand and gravel deposits and limestone and shale bedrock.*

APPENDIX E

LAND USE EVALUATION

- **Current institutional controls applicable to the site:** *Based on the Interim Remedial Measures conducted at the Site, institutional controls are not required.*



2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: 0109-001-104

DATE: DECEMBER 2009

DRAFTED BY: AJZ

LAND USE MAP RI/FS REPORT

SB-18 AREA
HAMBURG, NEW YORK

PREPARED FOR
3773 LAKE SHORE ROAD, INC.

FIGURE E-1