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August 24, 2016

Richard H. Dana
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
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RE: Site Characterization Report for the Former J&L Steel Site
Clifton, New York
August 2016

Dear Mr. Dana:

Parsons is pleased to provide this electronic submittal of the Site Characterization Report for the Former J&L Steel Site in Clifton, New York. Please feel free to contact me directly if you have any questions or require any information.

Very truly yours,

PARSONS



Matthew Vetter
Project Manager

SITE CHARACTERIZATION REPORT
FOR THE
FORMER J&L STEEL SITE
CLIFTON, NEW YORK

Prepared For:

NEW YORK
STATE OF
OPPORTUNITY

Department of
Environmental
Conservation

New York State Department of Environmental Conservation
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LIST OF ACRONYMS

ACM	Asbestos-Containing Material
CCTV	Closed Circuit Television
CFR	Code of Federal Regulations
cm	Centimeter
CMP	Corrugated Metal Pipe
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Accreditation Program
f/cc	fibers per cubic centimeter
ft.	feet, foot
GPR	Ground-Penetrating Radar
HDPE	High-Density Polyethylene
ICR 56	Industrial Code Rule 56
J&L Steel	Jones and Laughlin Iron Ore Processing Facility
mg/kg	milligrams per kilogram
NELAP	National Environmental Laboratory Approval Program National Environmental Laboratory Approval Program
NIOSH	National Institute for Occupational Safety and Health
NOB	Non-Friable, Organically Bound
NTU	Nephelometric Turbidity Units
NVLAP	National Voluntary Laboratory Accreditation Program
NYCRR	New York State Codes, Rules and Regulations
NYLD	New York Leak Detection
NYSDEC	New York State Department of Environmental Conservation

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LIST OF ACRONYMS (CONTINUED)

NYSDOH	New York State Department of Health
NYSDOL	New York State Department of Labor
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PE	Professional Engineer
PID	Photoionization detector
PLM	Polarized Light Microscopy
ppm	parts per million
QA/QC	Quality Assurance and Quality Control
RCP	Reinforced Concrete Pipe
RCRA	Resource Conservation and Recovery Act
RF	Radio Frequency
SCO	Soil Cleanup Objectives
SPT	Standard Penetration Test
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TEM	Transmission Electron Microscopy
TIC	Tentatively Identified Compounds
ug/L	microgram per liter of water
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

I Tom Drachenberg certify that I am currently a NYS registered Professional Engineer (PE) or Qualified Environmental Professional as defined in 6 NYCRR Part 375 and *that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.*

Program Manager: _____

SITE CHARACTERIZATION REPORT FOR THE FORMER J&L STEEL SITE CLIFTON, NEW YORK

1.0 INTRODUCTION

This Site Characterization Report documents the results of investigation work conducted within the former Jones and Laughlin Iron Ore Processing Facility (J&L Steel) site in Clifton, New York, during the Fall of 2012, in addition to subsequent follow-up investigations, by Parsons under contract with the New York State Department of Environmental Conservation (NYSDEC). Sampling and analyses were conducted pursuant to a work scope accepted in advance by the NYSDEC. Data obtained during the field investigations identified in the scope of work have been compiled, evaluated, and summarized in this report.

This report documents the investigation activities specified in the work plan. Appendices included with this report include three stand-alone reports, covering the following activities:

- On-site building structural evaluation (Appendix A)
- Pre-demolition asbestos survey of site buildings (Appendix C)
- Assessment of the petroleum recovery system (Appendix D)

2.0 PROJECT OBJECTIVES AND BACKGROUND

The former J&L Steel site is a 38-acre parcel located at the intersection of State Route 3 and County Road 60 in the Town of Clifton, St. Lawrence County, New York. The site includes several large abandoned buildings in various conditions, as well as numerous piles of mining and demolition debris. The buildings are surrounded by numerous parking lots, access roads, and unused rail spurs. The remainder of the site is partially wooded with the Little River flowing from east to west through the site. A 2.5-mile long abandoned and flooded strip mine borders the northern portion of the site. The NYSDEC site number is 645029.

The site was previously utilized as a mining and ore processing facility. The Defense Plant Corporation built the existing facility at the beginning of World War II. In 1946, J&L Steel purchased the property from the War Assets Administration and continued operations until approximately 1978 when the plant was permanently closed.

Prior investigations conducted at the site include a preliminary subsurface investigation (Atlantic Testing Laboratories, 1989), asbestos/demolition survey (Jack Eisenbach Engineering, PC, 1993), a Phase I/Phase II Assessment (CDM, 1994), and a site investigation completed in 2009 (CDM, 2009). In addition, the NYSDEC operated an oil recovery system in the 1990's which is no longer in operation.

The primary groundwater flow direction is reportedly to the north toward the Little River. A secondary groundwater flow direction appears to follow the former course of the Little River that was filled in the 1940s.

A layer of glacial till overlays the bedrock in the area, however, it has been previously reported that till was thin or absent over the ore body prior to the start of mining activities. The bedrock borings during this investigation did not encounter glacial till. Glacial outwash sands are also present beneath the site buildings and in low lying portions of the Little River basin. Based on measurements at recently installed monitoring wells, the water table in the overburden was approximately 10 feet (ft.) (at MW-01) below ground surface and 95 ft. (at MW-05) below ground surface within the bedrock.

The primary contaminants of concern at this time have been identified as petroleum hydrocarbons (fuel oil), metals, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and asbestos. Previous investigations have identified a subsurface fuel oil plume that extend out towards the Little River, a separate subsurface VOC plume extending towards the Little River, PCB contaminated soils, evidence of mercury contamination, lead paint, PCBs and asbestos in buildings and piles of debris. The purpose of this investigation was to continue characterization of the site.

3.0 SITE CHARACTERIZATION SCOPE AND RESULTS

Investigation findings are described in the following sections. Each portion of the investigation work followed NYSDEC guidelines outlined in DER-10. The investigation consisted of:

1. On-site building evaluation
2. Asbestos, lead paint and PCBs in building materials investigation
3. Petroleum product survey and assessment
4. Petroleum product recovery system evaluation
5. Groundwater monitoring
6. Surface soil sampling at historic off-site transformer locations and to supplement existing sample data throughout the site
7. Surface water and sediment characterization
8. Characterization, removal, and disposal of one suspected PCB oil drum
9. Containment, characterization, and disposal of mercury containing electrical devices
10. Remote inspection of the Bull Ditch drainage pipes
11. Topographic survey of sample locations

Field activities were conducted in accordance with the Quality Assurance Project Plan (Parsons and OBG, 2011a) and the Health and Safety Plan (Parsons and OBG, 2011b) prepared and approved for this contract. Site-specific elements and specific job safety analyses for the building evaluations, material sampling, soil sampling, surface water sampling, sediment sampling, and monitoring well installation were added to the Health and Safety Plan.

Laboratory services for asbestos analysis were provided by EMSL Analytical of Depew, New York. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). Laboratory analyses for other compounds were provided by Spectrum Analytical, Inc., of Warwick, Rhode Island. Spectrum Analytical is accredited under the National Environmental Laboratory Approval Program (NELAP) and Department of Defense Environmental Laboratory Accreditation Program (ELAP).

Results of the 2012 site characterization indicate the following:

1. Asbestos and PCBs are present in building materials in high enough concentrations that would require disposal of building materials as hazardous wastes. Some building materials sampled for asbestos contained greater than 1 percent asbestos and several samples of glazing and caulking exceeded the 40 Code of Federal Regulations (CFR) 761.62 limit of 50 ppm for total PCBs.
2. Lead is present in building paint. The U. S. Occupational Safety and Health Administration (OSHA) regulates worker exposure to lead at any detectable quantity.
3. Air monitoring completed in 2012 for asbestos indicates that asbestos is not becoming airborne and is not posing an immediate impact to human health.
4. Petroleum products remain below the ground surface and appear to be impacting the Little River.
5. VOCs were detected above ambient water quality standards and continue to impact overburden groundwater. VOCs have not migrated into the underlying bedrock.
6. The Little River sediments have been impacted by petroleum products and petroleum products may still be migrating into the Little River from the site.
7. Several surface soil results are above 6 NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use but in general concentrations of contaminates are low enough to not pose an immediate threat to ecological or human health.
8. The existing structural integrity of certain buildings on site precludes safe entry and interior work.

3.1 On-Site Building Structural Evaluation

A previous structural assessment of the buildings on the J&L Steel site was completed between December 2005 and January 2006 (Pahler, 2006). Results from the evaluation conducted by Parsons have been used to update the 2006 report.

Parsons' investigation consisted of a review of the 2006 report and an evaluation of each building on-site from a structural viewpoint. Appendix A summarizes the condition of each building, whether each building can be accessed safely and any restrictions to accessing each building or parts of each building. Any changes in building condition from the 2006 report are noted and photographs of current conditions are included. Table 1 summarizes the structural assessment findings. Figure 1 identifies buildings at the site.

3.2 Asbestos, Lead, and PCBs in Building Materials

The investigation of asbestos, lead, and PCBs in building materials focused on various exposure paths, namely:

- Asbestos, lead, and PCBs in building materials
- Asbestos and lead in building material debris piles
- Asbestos and lead in soils adjacent to representative buildings with exposed soil adjacent to the buildings (see Section 3.8.1)

3.2.1 Lead in Paint

As shown on Figure 2, paint chip samples were collected from 11 site buildings to analyze for lead content. Three different paint colors were identified for sampling. Samples were collected from doors, exterior walls, interior walls and an I-beam. Representative paint chip samples were collected for each of the three identified paint types, for a total of 17 samples collected, and analyzed for lead using U. S. Environmental Protection Agency (USEPA) Method SW846 6010B. Table 2 summarizes the lead concentrations in each paint samples.

Paint samples were collected using a disposable knife or razor blade. A minimum of 1 to 3 grams was collected for each sample, per the requirements of the laboratory. Samples were collected in and shipped to the lab following accepted chain of custody procedures. For quality assurance and quality control (QA/QC) purposes, one field duplicate sample was collected and analyzed for every 20 samples collected. Data validation was conducted by a third party not associated with the laboratory that performed the analyses. A USEPA Level IV data validation was conducted on 10 percent of the chemical samples (i.e., full data validation) and a USEPA Level III data validation was conducted on the remaining 90 percent of the samples, as described in the Data Usability Summary Report (DUSR), which is provided in Appendix B.

Lead concentrations in paint chip samples ranged between 314 milligrams per kilogram (mg/kg) and 36,700 mg/kg. The U. S. OSHA regulates worker exposure to lead at any detectable quantity.

3.2.2 Asbestos-Containing Building Materials

An asbestos survey of thirteen site buildings was performed in 2012 by Parsons personnel with New York State Department of Labor (NYSDOL) Asbestos Building Inspector certification. This survey updates a previously completed asbestos survey conducted by Jack Eisenbach

Engineering, P.C. for the St. Lawrence County Industrial Development Agency in 1993 (Jack Eisenbach Engineering, PC, 1993).

The updated asbestos survey report incorporates findings of the 1993 survey with results of the 2012 sampling. The 2012 asbestos survey work conformed to current NYSDOL Industrial Code Rule 56 (ICR 56) regulations. The updated survey determined that asbestos-containing materials (ACMs) are present in each of the inspected buildings.

Sample analysis for asbestos was conducted using Polarized Light Microscopy (PLM) in accordance with the New York State ELAP 198.1 Method (for friable materials) or ELAP 198.6 Method for non-friable, organically bound (NOB) materials. Transmission Electron Microscopy (TEM) analysis was performed to address New York State Department of Health (NYSDOH) requirements, which require re-analysis of NOB samples when asbestos is initially reported as not detected (ELAP 198.4 Method). Any building material containing greater than 1 percent asbestos is considered an ACM.

The survey included sampling of building materials from Buildings 1 through 10, 18, and 20. Building locations are displayed on Figure 1 of this report. The results of the asbestos survey are detailed in a stand-alone report included as Appendix C. During the survey, certain areas of some buildings were inaccessible due to access or safety concerns as noted in the report.

Some common materials in site buildings found to contain greater than 1 percent asbestos include: floor tiles, mastics, roofing, plaster, caulk, glazing, pipe insulation, transite panels, wire covering, and boiler components. Not all of these materials in site buildings necessarily contain asbestos.

3.2.3 PCBs in Caulk and Glazing

As shown on Figure 3, representative samples of caulking and glazing materials were collected from site Buildings 1 through 3, 5 through 8, 10, 20, and 32 to quantify PCB content. PCBs have been known to be present in such components in sufficient concentrations to require disposal as hazardous waste upon demolition. Materials with PCB concentrations of 50 parts per million (ppm) or more must be disposed of as hazardous waste in accordance with 40 CFR 761.62.

A total of 26 samples were collected and analyzed by EPA Method SW846 8082. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

Table 3 summarizes the findings of the 2012 PCB analyses. Analytical results indicate that PCB concentrations of sampled building materials ranged between 0.4 mg/kg and 900 mg/kg. Nine of the samples exceeded the hazardous waste threshold to 50 ppm. Results of the PCB analyses are also noted in the asbestos report for each building. Previous surveys also identified PCBs as potentially being present in wood block flooring in Buildings 7 and 12 (CDM , 2009).

3.3 Debris Piles

Samples representative for determining asbestos and lead content in debris were collected throughout the site. As shown on Figure 4, seven samples of materials within debris piles were collected. Items in debris piles were found to generally be scrapped building materials, and samples were selected based on visual observations to determine the probability of containing asbestos or lead, comparable to identifying suspect materials in buildings.

3.3.1 Lead in Debris Piles

Four materials found in the debris piles were sampled and analyzed for lead content. Materials were chosen for sampling that exhibited a potential exposure, such as peeling layers of paint/ coating. Items with intact painted surfaces were not sampled. The materials each have a black and/or gray coating over panels of sheet tin or corrugated tin. Panels were found in the same general debris pile locations as materials sampled in 2012 for asbestos.

Following collection, soil samples were shipped to the analytical laboratory and analyzed using EPA Method SW846 6010B to determine lead content. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

Table 4 summarizes the analytical results of lead content in debris pile materials. Lead concentrations in sampled debris pile materials ranged between 80.2 mg/kg and 884 mg/kg. OSHA regulates worker exposure to lead at any detectable quantity. Each material sampled for lead content also tested positive for asbestos (described in Section 3.3.2 below).

3.3.2 Asbestos in Debris Piles

Eight materials from the debris piles on the J&L site were sampled for asbestos content. Asbestos sampling and analysis was completed as described in Section 3.2.2. Materials believed to contain asbestos based on visual observations in debris piles include the following:

- Flat or corrugated sheets of tin or steel with a lightly textured gray, silver, or black coating. This coating may be thin or relatively thick and may have been used as roofing and siding on structures throughout the site; such debris is present in many areas of the site.
- Transite panels, also known as concrete-board, are composed of asbestos. This gray material may be flat or corrugated and was likely used as siding and roofing on various structures. Broken sections of transite are found in many areas throughout the site, and some pieces are beneath the ground surface, partially covered with new soil and vegetation.
- Black/gray, heavy, tar-like fabric material present in the debris piles west of Building 12 exterior.
- Sections of tar-like, black roofing material scattered throughout the site.

Table 5 summarizes the analytical results of asbestos content in debris pile materials. All but one of these samples tested positive for asbestos. The only sampled material that did not test positive for asbestos content, was a black tar-paper-like covering over fiberglass pipe insulation found on the ground, north of Building 10.

3.4 Air Monitoring

Asbestos in air was assessed by sampling for airborne fiber concentrations using portable air sampling pumps. As shown on Figure 5, eight sample stations were placed throughout the J&L Steel site, and two sample stations (JL-11 and JL-12) were located upwind to measure background concentrations. The eight site sample locations were chosen for their proximity to friable or damaged asbestos materials. Sampling pumps collected air for up to eight continuous hours.

Sampling and analysis to measure airborne fiber concentrations was performed in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7400. Area sampling was conducted at a sufficient flow rate and elapsed time to collect a sample volume necessary to establish the limit of detection for the method used.

Analytical results indicate that fiber concentrations were each below the New York State Industrial Code Rule 56, Subpart 56-9.2, Air Sampling Requirements (NYDOL, 2007) asbestos work area clearance criteria of 0.01 fibers per cubic centimeter (f/cc). Table 6 summarizes the air monitoring results.

3.5 Petroleum Product Survey and Assessment

A petroleum product thickness survey was completed on August 28-29, 2012 on the 48 existing wells at the site shown on Figure 6. An interface probe was used to measure the distance to product, the distance to water, and the total depth of each well. Product thickness was tabulated and a product plume contour map was developed based on this survey (Figure 7). A summary of the product survey results is included as Table 7.

In addition to the petroleum product survey, an inventory and evaluation of the existing petroleum product recovery system was conducted. A stand alone report is contained in Appendix D that details the components of the existing product recovery system. Recommendations for additional investigations prior to developing modifications to the system are also presented in Appendix D.

3.6 Groundwater Investigation

A total of seven wells, as shown on Figure 6 (map of well locations), were installed in 2012 to supplement existing data and to further delineate the horizontal extent of fuel oil. Monitoring well locations were selected based on historical data, conversations with DEC representatives, the terrain on-site, and buildings/underground structures.

3.6.1 Overburden Wells

After completion of the petroleum product survey and discussions with representatives of NYSDEC, four overburden monitoring wells (JL-MW-01 through JL-MW-03, and JL-MW-07) were installed, as shown on Figure 6. The four new overburden monitoring wells were installed to supplement existing data and to further evaluate the horizontal extent of fuel oil.

Borings for the overburden monitoring wells were advanced using hollow stem auger at JL-MW-01 through JL-MW-03 and a combination of hollow stem augers and fluid rotary at JL-MW-07. Continuous Standard Penetration Test (SPT) samples were collected on 2 ft. intervals using a lined split spoon sampler. Soil from each sample was evaluated for lithology and field headspace screened using a photoionization detector (PID). Samples were examined visually in the field and physically described using the Unified Soil Classification System (USCS). Monitoring wells were constructed of 2-inch PVC casing and screened approximately 2 ft. below groundwater (with the exception of JL-MW-07 discussed below) with 10 ft. long 10-slot screen. Boring logs and well construction logs are presented in Appendix E.

JL-MW-07 was originally designated as a bedrock well, but bedrock was not encountered at the same depth as bedrock was on other deep borings completed during this investigation (see Section 3.6.2). After discussion with NYSDEC, it was determined that JL-MW-07 would be converted into an overburden well and screened near the bottom of the boring (173 ft. to 183 ft.).

One soil sample from each monitoring well boring was selected to be sent for laboratory analysis. The selected interval for analysis was determined based on PID results, odors, or visual identification of contamination. The samples were shipped to the analytical laboratory and analyzed for VOCs, SVOCs, total metals, pesticides/herbicides, and total PCBs. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

Laboratory analysis determined that soil samples from JL-MW-01 (copper) and JL-MW-07 (VOCs) exceeded the New York State 6 (New York State Codes, Rules and Regulations (NYCRR) Part 375 Soil Cleanup Objective for unrestricted land use. A detected compound summary of the analytical results is presented in Table 8.

Following installation, the new monitoring wells were each developed to remove material which may have settled in and around the well screen. Development consisted of the removal of ten well volumes, or achieving a turbidity reading of 50 Nephelometric Turbidity Units (NTUs). Development water was temporarily contained using drums, then transferred to a poly tank at a central waste accumulation area for characterization and disposal. Well development logs are included in Appendix E

3.6.2 Bedrock Wells

Three bedrock monitoring wells were installed to characterize the vertical and horizontal extent of the VOCs in the bedrock. The borings for the wells were advanced to the top of bedrock

using hollow stem augers. Continuous SPT samples were collected at JL-MW-05 and JL-MW-06 on 2 ft intervals using a lined split spoon sampler. Standard SPT sampling was completed every 5 ft. at JL-MW-04. Soil samples were described and evaluated as discussed in Section 3.6.1 for the overburden wells.

Once top of rock was encountered, a temporary casing was installed and sealed into a 5 ft. rock socket prior to continuing boring advancement into the bedrock. Once the temporary casing was sealed into the bedrock, water was added to the borehole and observed to ensure a proper seal. Borings were terminated approximately 15 ft. into the bedrock. Bedrock monitoring wells were constructed of 2-inch PVC with 10 ft. long 10-slot well screens. Boring logs and well construction logs are presented in Appendix E. The bedrock monitoring wells were developed to remove fine materials as described in Section 3.6.1. Well development logs are also presented in Appendix E.

Soil samples were collected from the boreholes, analyzed, and reported as described in Section 3.6.1 for the overburden wells. Analyzed samples from JL-MW-04 (PCBs) and JL-MW-05 (VOCs) exceeded the New York State 6 NYCRR Part 375 Soil Cleanup Objective for unrestricted land use.

3.6.3 Groundwater Results

Once well installation and development were complete, the seven new monitoring wells and 32 existing wells that did not contain measurable amounts of petroleum product were sampled using low flow sampling techniques. Wells that contained measurable amounts of product were not sampled, based on the results of the petroleum product survey (Table 7).

Thirty-nine groundwater samples (sample ID MW-4A to 105, and JL-MW-01 to 07) were collected and analyzed for VOCs, SVOCs, total PCBs, pesticides and metals. Analysis of the groundwater samples from the 39 monitoring wells showed exceedences of parameters set by the NYSDEC Ambient Water Quality Standards/Guidance Criteria as follows:

- Nine samples exceeded one or more groundwater quality standards for VOCs
- Five samples exceeded one or more groundwater quality standards for semi-volatile organic compounds (SVOCs)
- Seven samples exceeded one or more groundwater quality standards for pesticides
- One sample exceeded PCB standards (for Aroclor 1242)
- 36 samples exceeded metals standards

The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B. Table 9 summarizes groundwater sampling results.

3.7 Little River Investigation

Co-located surface water and surface sediments were collected on September 19, 2012 from five locations within the Little River to assess impacts associated with the petroleum plume. The sampling locations were surveyed using portable global positioning equipment.

3.7.1 Surface Water Sampling

As shown on Figure 8, five water samples (sample ID STA-01 to 05) were collected from the middle of the river water column, directly into preserved laboratory bottles. Care was taken when filling directly into bottles so that sample preservatives were not washed out.

The Little River surface water samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. Results were compared to NYSDEC Class C Ambient Water Quality Standards/ Guidance Criteria applicable for the Little River. Samples exceeded criteria for the following parameters:

- For dissolved cobalt, the results ranged from 23.9 microgram per liter of water (ug/L) to 32.2 ug/L. The criteria limit is 5 ug/L. Each of the five samples and field duplicates exceeded the standard.
- For dissolved iron, the results ranged between 301 ug/L and 881 ug/L. The criteria limit is 300 ug/L. Each of the five samples and field duplicates exceeded the standard.

Other detected compounds were below the NYSDEC criteria. Surface water sampling summary is presented in Table 10. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

3.7.2 Surface Sediment Sampling

As shown on Figure 9, sediment samples were collected on September 19 and 21, 2012 at each of the five surface water sample locations using a petite Ponar sampler to an approximate depth of 6 to 12 inches. The overlying water was siphoned from the Ponar sampler and the upper 15 centimeter (cm) of sediment was collected. At sample locations where the sampler could not be advanced due to buried rocks or other obstructions, sample locations were moved a few feet from the original location and collected. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

The sediment samples (sample ID STA-01 to 05) were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. Up to five VOCs were identified in two of the sediment samples (STA-04 and STA-05), and two SVOCs were identified in one sample (STA-04). One pesticide compound (heptachlorepoxide) was found in one sample (STA-03). Several metals were also detected in each sample. A summary of the sediment sampling and analytical results by parameter is presented in Table 11.

Field observations (visual and odor) at the time of the sediment sampling indicated the presence of a petroleum substance. However, laboratory analysis of the sediments revealed little to no presence of VOCs or SVOCs. An evaluation of the chromatographs produced from the initial SVOC (Method 8270) laboratory analysis suggested the presence of weathered oil. Subsequent to these data being reported, an additional fuel identification analyses was performed on extracts for selected samples originally generated for Method 8270. Results of this analysis indicated the presence of a mixture of motor oil and hydraulic oil in sediment at locations STA-01 through STA-04 and mixture of #2 fuel oil and transformer oil in sediment at location STA-05 (see Table 12).

Additionally, one sample extract from location STA-05 (where petroleum product was noted in the field) was analyzed specifically for alkylated PAHs in an effort to date the sample. A ratio of C17 (pristine) to C18 (phytane) could provide a reasonable age of the product if these compounds are present. However, for this extract the lab was unable to quantify these compounds.

3.8 Surface Soil Investigation

As shown on Figure 10, at total of 91 surface soil samples were collected from three areas of the site to characterize the extent of asbestos, metals, PCBs, and organic compounds as follows:

- Asbestos and lead contamination from site buildings (34 samples)
- Metals, mercury, and PCB contamination associated with the potential location of transformers and electrical equipment (47 samples)
- Supplement existing sample data for the suspected “Bull Ditch” area of the site (10 samples)

Surface soil samples were collected with dedicated plastic scoops. Some locations were moved up to 1 ft. from the original location to allow for access, and minor clearing of vegetation was required for some samples. Actual sampling locations were staked, marked, and surveyed using traditional survey equipment. In general surface soils consisted of silty sands mixed with sinters from the mine processing operations.

3.8.1 Lead and Asbestos in Surface Soils

As shown on Figure 11, a total of 34 surface soil samples were collected from locations (up to 1 ft. depth) in close proximity to buildings and analyzed for lead and asbestos, respectively. Building material debris was found near buildings throughout the site, and is the likely source for any asbestos and lead identified in soil.

The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Lead and asbestos results for surface soil samples are shown in Table 13. Validated data and the DUSR are presented in Appendix B. Laboratory analysis of the asbestos soil samples consisted of sifting the sample and performing TEM analysis.

Lead concentrations in sampled soil were determined to range between 3.4 mg/kg and 1,400 mg/kg. The NYCRR 6 Part 375 Unrestricted Use Soil Cleanup Objective for lead in soil is 63 mg/kg.

Two soil samples contained detectable asbestos: one sample contained a trace amount (less than 1 percent) and another contained 1.5 percent Chrysotile (a type of asbestos). In other samples, no asbestos was detected. Federal or New York State regulations governing analysis or content of asbestos in soil do not exist.

3.8.2 Metals, Mercury, and PCBs in Soil at Transformers and Electrical Equipment

As shown on Figure 10, a total of 47 soil samples were collected to establish possible metals, mercury, and PCBs associated with the former locations of transformers and electrical equipment.

Surface soil samples were collected from locations SS-01 through SS-10, SS-14 through SS-28, and SS-39 through SS-60 to investigate areas where historical information suggests that electrical transformers, electrical drive houses, or gear houses were located. The electrical equipment potentially contained PCB oil or mercury that may have been spilled in the areas.

The samples were analyzed for total PCBs and metals. A summary of the validated soil sampling analytical results by parameter is presented in Table 14. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR is presented in Appendix B.

Detectable mercury was identified in almost all of the surface soil samples, ranging from non-detect to 0.65 mg/kg, three samples (SS-40, SS-41, and SS-43) were determined to be above the limit of detection. The New York State NYCRR Part 375 Soil Cleanup Objective for unrestricted mercury in soils is 0.18 mg/kg. Soil samples were also analyzed for 22 other metals. Several of the sample results exceeded the NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use, namely for barium, cadmium, copper, lead, mercury, nickel, selenium, and zinc.

Twenty-three (23) of the 47 soil sample results show no PCBs above the detection limits, 24 sample results showed PCB concentrations above detection limits with a maximum concentration of 5.3 mg/kg. The highest of the PCB concentrations were in the vicinities of Buildings 18, 20, and 22. Fourteen of the samples collected exceeded the NYCRR Part 375 unrestricted site standard for total PCBs of 0.1 ppm.

3.8.3 Surface Soil Samples For Part 375 Analyses (“Bull Ditch Area”)

As shown on Figure 10, a total of ten samples were collected from locations SS-29 through SS-38 to supplement existing site data in areas that were not previously investigated. These samples were in the “Bull Ditch” area, located downhill and north of the silos.

These ten samples were analyzed for VOCs, SVOCs, pesticides, total PCBs, and metals. Results are presented in Table 15. Several SVOC compounds were determined to exceed the NYCRR Part 375 Unrestricted Use Cleanup Objective in one soil sample. One sample location (SS-37) had an exceedance of one pesticide compound (P,P’-DDT). All of the samples exceeded

the Part 375 Soil Cleanup Objective for unrestricted land use of 50 mg/kg for copper. Location SS-29 also exceeded the Part 375 Soil Cleanup Objective for unrestricted land use for mercury and location SS-30 also exceed the unrestricted use standards for barium and nickel.

The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

3.9 Remote Inspection of Pipes

As shown on Figure 12, a subcontractor performed a Closed Circuit Television (CCTV) inspection of a 36-inch reinforced concrete pipe (RCP) utilizing a crawler type camera. The inspection commenced at the outlet of the 36-inch pipe and was advanced approximately 115-ft. southeasterly to an obstruction. It appeared from visual inspection that the obstruction was of organic material, extended across the entire pipe, and was approximately 6- to 8-inches in height. The crawler camera could not navigate over or around the obstruction. The camera LED lighting system was turned off at the obstruction and daylight was observed. It appeared that the daylight was located approximately 10-ft. in front of the crawler camera. However, an exact measurement was unobtainable. Based on an inspection at the surface, it was determined that the daylight was penetrating through a dilapidated concrete structure. The structure was determined to be unsafe to enter to visually confirm the location of the crawler camera.

The 24-inch corrugated metal (CMP) pipes were traced utilizing a PL2000 Radio Frequency (RF) device. A variable strength signal was induce through each pipe, and each were traced and marked at the ground surface. It appeared that two of the three pipes extended southeasterly approximately 100 ft. and then turned southwesterly, extending approximately 400 ft. to a dilapidated concrete vault. The third pipe was observed at the ground surface approximately 50-ft. from the outlet.

3.10 Waste Characterization and Management

Development, purge, and decontamination water from well installations was placed into a poly tank prior to characterization and subsequent off-site disposal. One sample of this water was collected and analyzed for waste hauler's reference. Water was determined to be non-hazardous for disposal.

Soil cuttings from the monitoring well borings were placed into a roll-off container prior to characterization and subsequent off-site disposal. One sample of this waste was collected and analyzed in compliance with Toxicity Characteristic Leaching Procedure (TCLP) and Resource Conservation and Recovery Act (RCRA) directives. Soils were determined to be non-hazardous and will disposed of on-site.

3.11 Characterization, Removal, and Disposal of Mercury Containing Electrical Devices and Suspected PCB Oil Drum

One abandoned drum suspected to contain PCB oil was observed down in a concrete pit north of Building 20. The scope of work included sampling of the drum contents for subsequent disposal.

It was determined during site activities that the drum was empty. One soil sample (J1101A) was collected in the concrete pit adjacent to the drum and analyzed for mercury, metals, and PCBs. Results indicate that the adjacent soils exceed the NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use for PCBs, mercury, and several additional metals (See Table 14).

In addition, several electrical devices labeled to contain mercury are present inside Building 20. The devices were drummed and disposed of as universal waste in Spring 2013 in accordance with the approved work scope for this project.

4.0 2013 SUPPLEMENTAL SITE INVESTIGATION

Results of the initial site characterization were presented to NYSDEC during an April 2013 meeting. Based on our review of the data collected during the 2012 investigation a supplemental scope of work was developed to help determine if there was still an ongoing petroleum discharge into the Little River. Additionally the supplemental investigation also assessed if other site contaminants have comingled with the petroleum product and are impacting the Little River. The supplemental investigation included the following efforts:

- Consolidation of the historical data set from the Site
- Characterization of the petroleum product on Site
- Investigation of the effectiveness of the barrier wall

Results of the supplemental investigation were used to assess if the petroleum product on-site and in the Little River sediment is similar and indicative of an ongoing release of petroleum product into the Little River.

4.1 Consolidation of Historical Data

Parsons assembled available historical site data reported in the 2009 *Former Jones and Laughlin/Benson Mine Site Star Lake, St. Lawrence County, New York Draft Site Investigation Report.* Approximately 50,000 records compiled between 2005 and 2009 were entered into a Microsoft Access database created for the Parsons 2012 investigation. Tentatively Identified Compounds (TICs) were entered as total concentrations, not concentrations of individual TICs. An Equis compatible electronic data deliverable (EDD) of the historical data has been uploaded into the NYSDEC Equis system.

In addition, Appendix F of this report contains tabular results of the consolidated data along with figures depicting historical exceedances of the NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use and exceedances of NYSDEC Ambient Water Quality Standards/Guidance Values.

4.2 Petroleum Product Characterization

As discussed in Section 3.5, a petroleum product thickness survey was completed on August 28 and 29, 2012 at the 48 existing monitoring wells at the site using an interface probe. Product thicknesses were tabulated and a product plume contour map was developed based on the

August 2012 survey. As shown on Figure 13, one product sample was collected on September 11, 2013 from MW-02A to evaluate the petroleum product. Monitoring well MW-02A was selected based on a discussion with representatives from NYSDEC and USEPA. It was determined at that time that additional samples were not necessary based on historical information to conclude the product in others wells would likely match MW-02A product. MW-02A is located near the recovery system and a gauge of the well showed approximately 3 ft. of product in the well prior to sample collection. Product was collected using a dedicated bailer and submitted for fuel identification to assess if the product is a mixture of more than one petroleum product/source and/or contains PCBs. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

Results of the analysis indicated that the product resembled a #2 fuel oil/diesel and that PCBs were not detected in the petroleum product. Analytical results are included in Table 16 and a narrative of the fuel identification result is included in Appendix G.

4.3 Investigation of the Barrier Wall Effectiveness

A vertical, 15-ft. deep, 1,500 ft. long barrier wall made of 40-millimeter high-density polyethylene (HDPE) was installed by others in 1993 along the south bank of the Little River to a depth of approximately 11 ft. below grade to prevent migration of fuel oil directly toward the Little River. The wall is located down-gradient of the free product plume parallel to the bank of the Little River. In addition to the wall, a soil berm was constructed along the eastern end of the barrier wall to prevent the discharge of fuel oil/impacted water to the Little River during periods of high groundwater and high surface water runoff.

To assess the effectiveness of the barrier wall along the wall's western edge, two test trenches were advanced to a maximum depth of 10 ft. on September 11, 2013 to evaluate whether petroleum substances were making their way around or under the wall. The two trenches were advanced using a tracked excavator where the former Little River channel is thought to intersect the barrier wall and the current Little River. Locations were determined from historical USGS topographical survey maps and aerial photography and were adjusted based on on-site coordination with NYSDEC and USEPA representatives. Material (0-10 ft.) in both trenches was sand believed to have been placed during the installation of the barrier wall. At both trenches, a degraded petroleum product was identified visually and based on odors at the groundwater interface indicating that contamination was present between the barrier wall and the Little River. As a result of discussion with on-site representatives from NYSDEC and USEPA, no samples were collected from the test trenches. Test pits were backfilled with the excavated soils upon completion. Additionally, petroleum product was visually identified leaching into the Little River at the western most edge of the barrier wall.

In addition, sediment samples were collected on September 10, 2013 from four locations in the Little River near the cut-off wall's western edge (outboard of where the test trenches were excavated). A core barrel was advanced approximately 3 ft. into the sediment and capped to collect

samples. Petroleum product was seen to have impacted each sample throughout the core. The top 1 ft. interval from each sample core was collected and submitted for fuel identification to assess if the product in the sediment is similar to the petroleum product/source and/or contains PCBs. Similar to analysis of the product itself, results from the fuel identification indicated the product closely resembles #2 fuel oil/diesel and that PCBs were not co-mingled in the petroleum product. Analytical results of the sediment analysis are included in Table 16 and narratives of the fuel identification results are included in Appendix G.

5.0 2015 SUPPLEMENTAL SITE INVESTIGATION

Additional investigative work took place at the site in September, 2015. These supplemental field activities included herein consisted of the following:

- Investigation of pipeline tunnels
- Visual inspection of suspected asbestos disposal area
- Sub-slab soil sampling
- Drain sampling
- Surface soil sampling

Laboratory services for samples collected during this phase of investigation were provided by Spectrum Analytical, Inc., of North Kingstown, RI.

5.1 Investigation of Pipe (Utility) Tunnels (SOW Task 2.12)

A series of pipe tunnels exist on the J&L property that run between several buildings. Historical documents indicated the tunnels contain steam lines, water lines and petroleum transfer lines. A previous asbestos/demolition survey also indicated ACM on some of the pipes at the tunnel access in Building 7 (Jack Eisenbach Engineering, PC, 1993). The extent of the piping, its condition, petroleum issues and other hazardous materials was assessed during the 2015 supplemental investigation.

Parsons confirmed the presence and location of underground tunnels connecting several buildings at the site. The tunnels were confirmed to connect Buildings 2, 3, 5, 6, 7, 9, 10, 12, the silos near Building 10, foundations of former structures north of Building 9, and the small pump house west of Building 20. Ground-Penetrating Radar (GPR) was employed to determine the location of the tunnels and depth of underground lines. Paint and flags were used to mark the location of tunnels. The top surface of the tunnels were found to range between one and 4 ft. below the surface.

An attempt was made to use a camera to view the interior of the tunnels at access points in Buildings 6, 7 and 10; access points in Buildings 3 and 12 were unsafe to enter, and ongoing asbestos abatement work made Building 2 unavailable. The attempt of camera use in the accessible areas was unsuccessful, as the camera unit is designed for use inside pipes with a uniform surface,

while the tunnels consist of congested areas filled with pipelines and debris. The camera unit was not able to pass around these obstructions.

A more successful effort resulted in a rodder (a stiff cable on a reel) being passed into some pipes that were accessible to help determine conditions inside the pipes/tunnels. The line was pushed through pipes in the following locations:

- At the tunnel access point near the southeast corner inside Building 7, five pipes were accessible each direction (north and south). The rodder was advanced between 150 and 200 ft. inside the lines in each direction, until refusal, with no evidence of leaks or product noted on the rodder.
- At the tunnel access point along the south wall inside Building 10 (the tunnel runs beneath a section of Building 10), the rodder was inserted into a 1.5-inch pipe in a northerly direction to a distance of approximately 1.5 ft. before stopping; after withdrawal, a petroleum-like, or NAPL-like, residue was noted on the rodder.
- At the exterior tunnel access point on the east side of the silos northwest of Building 12, the rodder was advanced approximately 15 ft. through each of three pipes until refusal. No evidence of a leak or product on the line was noted.

The tunnel access points in Buildings 3 and 12 were not investigated as the buildings were determined unsafe to enter during a structural investigation that was completed by Parsons in 2012. A report, including photographs, submitted by sub-contractor New York Leak Detection (NYLD), provider of the equipment and technician for the tunnel investigation, is provided as Appendix H.

In addition to the above-mentioned efforts, an excavator was used to remove a piece of the concrete slab in place atop a section of tunnel adjacent to an old foundation north of the separate rod and ball mill foundation. A view inside the tunnel was possible once the top was removed, showing a layer of leaf litter inside the tunnel, about 4 or 5 ft. below the surface. Facing west at the tunnel, a run of bare metal conduit is visible near the top, but any other lines or equipment present in the tunnel were obscured by the layer of leaves. Facing east at the same location showed what is likely to be asbestos-containing pipe insulation on a line in the tunnel, but the line was out of reach. At a tunnel location east of the silos near Building 12, an opening provided another vantage point. Although a view was limited, more than one pipeline was observed with what appears to be ACM pipe insulation, running from the silo area eastward. The condition of the tunnel at the two vantage points appeared to be good, with visible areas of the concrete top, walls and floor appearing intact without noticeable gaps nor evidence of major deterioration of the tunnel structure. These two tunnel observation locations are shown on Figure 14. Photos of the tunnel investigation are included in Appendix I.

No evidence of past or current leakage was noted along any explored section of the tunnel or pipes within the tunnel, with the exception of residue discovered in the one pipeline in Building 10.

5.2 Investigation Beneath Concrete Foundations (SOW Task 2.13)

A concrete foundation/basement covered with a concrete slab exists at the site of the demolished rod and ball mill located between Buildings 12 and 20 (the former Buildings 14 and 15, according to historical documents). Photos taken from a breach in the basement wall during the initial 2012 investigation showed a large amount of debris and at least one drum below the slab of the structure.

According to the CDM Phase II Report (1994), information collected from sources familiar with the site describe the removal of asbestos containing material from several buildings during the mid 1990's. This material was stockpiled in a series of concrete vaults located within and under the foundations of Buildings 14 and 15. Those vaults were capped with large rectangular slabs of concrete to prevent the spread of asbestos fibers. In addition, since PCB-containing capacitors and transformers were used in these buildings, it was possible that equipment and/or their wastes were present in the debris under the building slab.

Parsons employed an excavator to dig a test pit to enlarge an existing breach at an inside corner on the north side of the slab. The excavation uncovered what appears to be debris from the building demolition mixed with soil, the majority consisting of concrete chunks of varying size, with strands of steel rebar attached. This created problems in digging the test pit, as the pieces were somewhat interlocked. The resulting pit opened into the basement level, but access into the space was not permissible due to the unstable, irregular surface from the debris encountered. Items such as asbestos coated materials, asbestos waste bags or transformers were not observed. One drum was observed near the opening but appeared to be empty. There were no other materials or objects of interest that were within the excavator's reach that could be moved closer for an inspection.

The excavator also pushed aside concrete blocks placed as covers on openings in the slab surface. Six such openings were uncovered over the entire slab in areas where the excavator could reach the covers adjacent to the slab. Sightlines into the basement from the test pit and the relatively small openings on top of the slab were limited due to the depth and darkness beneath the slab. Piles of dirt and debris were observed beneath the slab, plus what may be another drum. Items such as asbestos coated materials, asbestos waste bags or transformers were not observed through these openings.

When the inspection of the test pit and slab openings was complete, the excavator replaced the coverings and filled in the test pit. Photographs of the area are included in Appendix I.

5.3 Sub-Slab Soil Sampling (SOW Task 2.14)

Mercury, PCBs and solvents have been previously identified or are suspected in and around some site buildings. As shown on Figure 14, a total of six soil core samples were collected from beneath concrete slabs in Buildings 7, 10 and 20 to assess the following issues; Building 12 was not entered due to unsafe conditions:

- Building 7: Floor drains were assessed and found to contain mercury contamination (Spreadsheet titled *Scope of J and L investigation,* July, 2007, authored by William Jesmore, no firm noted). From the same reference, PCBs are also confirmed in the wood blocks that constitute flooring in some areas of Building 7.
- Building 10: Solvents and PCBs were used inside Building 10 when it was a bit sharpening shop and an electrical shop, based on historical records.
- Building 12: Contains wood block flooring, which has been found to contain PCBs, and low-level PCBs were found 5 to 7 ft. below ground surface (Spreadsheet titled *Scope of J and L investigation,* July, 2007, authored by William Jesmore, no firm noted).
- Building 20: Mercury was detected in wipe samples collected from the concrete floor (*Site Investigation Report*, CDM, March, 2009).

Two sub-slab soil samples were collected from each of the three accessible buildings, Buildings 7, 10 and 20, to assess potential contamination.

Proposed sample locations were marked by a surveyor on the building floors, and a geophysical investigation was conducted to identify potential underground interferences with the sample locations. The two locations in Building 20 were slightly relocated to avoid nearby obstructions.

A concrete coring machine was used to provide access to the soil underlying the building slabs, and a PID used to check for volatile airborne contaminants (solvents) as the concrete core was removed. No PID readings were in excess of 1.0 ppm at any of the sample location. Parsons collected soil samples using a hand auger to a depth of 2 ft. and analyzed for full Part 375 Compounds List.

5.3.1 Sub-Slab Sampling Results

Sub-slab samples were analyzed for metals, pesticides/herbicides, VOCs/SVOCs and PCBs. A summary of the validated soil sampling analytical results by parameter is presented in Table 17. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B.

Only one sample (SLAB-06) showed results that exceed the NYCRR Part 375 Soil Cleanup Objectives (SCO) for unrestricted land use. At that location two metals (copper and nickel), one pesticide (P,P'-DDD), and total PCBs exceeded the unrestricted use SCO.

5.4 Drain Sampling (SOW Task 2.15)

In Buildings 7 and 10, historical reports and data indicate that floor drains potentially contain solvents and/or PCBs. Building 10 was formerly a bit sharpening shop and an electrical shop where solvents and PCBs were used inside the structure. Mercury has also previously been confirmed in the floor drains of Building 7.

Parsons identified a main sump in line with smaller floor drains present in the main area of Building 7. The sump was located under a square metal lid, 1 ft. per side, near the east end of the

building. Inside, the sump appeared to have at least one opening from the direction of the floor drains, but due to the depth and water level within the sump, the quantity and location of intakes into the sump could not be determined.

Liquid was in the sump at a level approximately 2 ft. below the floor surface, with a layer of sludge detected about 7 ft. below floor level. A sample of this black, odorous sludge was collected using a long-handled auger to a depth of approximately 2 ft.

In the main area of Building 10, many empty drums in storage were moved to locate any floor drains. No drains were present under the drums or in open areas. In the shop area adjacent to the drums, to the south, piles of debris, large coiled hoses and large poly tanks covered the entire floor, in addition to evidence of animal nesting areas. These items could not be safely moved; any potential floor drain present underneath the debris was left uncovered.

The CDM Phase II Environmental Assessment (1994) mentions evidence of a floor drain in Building 10 which is now plugged, although it was not noted during this investigation.

5.4.1 Drain Sampling Results

The one sample collected from the floor drain/sump in Building 7 was analyzed for metals, pesticides/herbicides, VOCs, SVOCs and PCBs. A summary of the validated soil sampling analytical results by parameter is presented in Table 18. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR are presented in Appendix B. Results indicated exceedences of NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use for metals (six compounds), pesticides (six compounds), VOCs (seven compounds), SVOCs (one compound), and PCBs (Aroclor 1248 only). Herbicides were not detected in the sample. Figure 14 shows sample location and exceedences of the Part 375 objectives.

5.5 Surface Soil Sampling (SOW Task 2.16)

The purpose of the surface soils investigation is to identify the horizontal extent of surface soil contamination and to investigate areas where sampling was not previously completed. Parsons collected a total of twenty-five (25) surface soil samples to fill in existing data gaps; five from the vicinity of Buildings 32 and 33, and the remainder distributed throughout the site.

A surveyor used coordinates provided by Parsons to locate and mark proposed sample locations with flags and/or ribbons prior to sampling. The surface soil sample locations are shown on Figure 10. Figure 14 shows sample locations with exceedences of the Part 375 objectives.

Surface soil samples were collected with a hand auger or shovel to a depth of six inches. The tools were decontaminated after each use. One soil sample from each surface soil location was analyzed for full Part 375 Compounds List.

5.5.1 Surface Soil Sampling Results

Soil core samples were collected from 25 locations. The samples were analyzed for metals, pesticides/herbicides, VOCs and PCBs. A summary of the validated soil sampling analytical results by parameter is presented in Table 19. The analytical program utilized the data quality objectives and quality assurance objectives as described in Section 3.2.1. Validated data and the DUSR is presented in Appendix B.

Results of the 2015 supplemental soil sampling were similar to initial investigation complete in 2012. Several sample locations exceeded NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use for barium, copper, lead, mercury, nickel, and/or zinc.

Similarly, P,P'-DDT was the primary compound that exceed unrestricted use SCOs for pesticides. Also, sample location PSS-26 had exceedences of Dieldrin and P,P'-DDE in addition to an exceedance of P,P'-DDT.

Sample location PSS-25 and PSS-26 had exceedances of the total PCB NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use. At both locations one Aroclor (Aroclor 1254) was detected in exceedance of the unrestricted use SCO.

Four of the 26 samples indicated exceedance of the NYCRR Part 375 Soil Cleanup Objectives for unrestricted land use for the VOC acetone. Acetone is a common laboratory contaminant and is not necessarily indicative of VOC contamination at the sample locations. SVOC exceedences of the unrestricted use SCO were observed at three sample locations (PSS-14, PSS-16, and PSS-26).

6.0 REFERENCES

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TABLES

TABLE 1
FORMER J AND L STEEL SITE
SUMMARY OF 2012 BUILDING STRUCTURAL ASSESSMENT

Bldg No.	Name	Assessment
1	Gate House	Structurally sound, with no access restrictions
2	Change House	Building stable, no roof access for material testing
3	Laboratory	Building is badly decomposed, collapsed roof decking and roof joists; weak floor deck and floor joists; openings in floor. No roof access and very limited interior access. No loading on floor.
4	Storage	Building stable, with no interior access restrictions. Roof material testing shall be from man lift. Access on roof for demolition after load testing of roof panel, and detailed structural assessment may be permitted.
5	Oil Storage	Building is stable for access to first floor with caution of loose roof material, and access to basement. No roof access allowed.
6	Paint Storage	Building is stable, with no access restrictions to interior and roof.
7	Warehouse	Building is stable with caution under deteriorated areas of the wood roofed area. No interior access restrictions under the corrugated roof paneled area. No access to the wood roof area. Access to the corrugated roof area for demolition after load testing, and detailed structural assessment of roof panel may be permitted.
8	Office	Building is not safe for access to interior or to roof.
9	Thaw Shed	Building is stable and safe for interior access with caution due to dark interior and possibility of missing handrails. Roof material testing shall be from man lift. Access on roof for demolition after load testing, and detailed structural assessment of roof panel may be permitted.
10	Electrical Shop	Building is stable and safe for interior access. Roof material test shall be from man lift. Access on roof for demolition after load testing, and detailed structural assessment of roof panel may be permitted.
12	Machine Shop	Building structural framing is stable with limits on access during wind, rain, and snow events due to missing vertical bracing and potential of wood roof decking collapse. Access to interior restricted under areas of loose and collapsing wood roof decking. Access to wood roof area is not permitted. Access to corrugated roof area during demolition after load testing, and detailed structural assessment of roof panel may be permitted. In general the building should be categorized as inaccessible
18	Pump House	Building is stable and safe for interior access with caution at the damaged masonry at the entry double door. Access to the roof for demolition is permitted.
20	Switch Gear House	Building is stable and safe for interior access. Access to the roof for demolition is permitted.
22	Sinter Plant	Building is stable and safe for interior access to the 1st and 2nd floors only. The 3rd and 4th floors are not accessible due to the hap hazard demotion of the upper areas. Take caution at the broken out masonry openings for possible falling material. Access to the 3rd and 4th floor during demolition may be possible during demolition after a detailed assessment by a structural engineer and demolition specialist of the area.
23	Scale House	Building is stable and safe for interior access. Access to the roof for demolition is permitted.
32	Building on Benson Mines Site	Building is stable and safe for interior access. Material testing of roofing material should be performed off of man lift. Access to roof during demolition may be permitted after load testing of roof panel and detailed structural assessment.

TABLE 2
FORMER J AND L STEEL SITE
LEAD CONTENT IN BUILDING MATERIALS

Sample ID	Bldg. No.	Component	Color	Lead concentration (mg/kg)
J1-IW-1	1	Interior concrete wall	White	18,000
J2-EB-1	2	Exterior block wall	Blue	551
J2-DB-1	2	Wood door	Blue	29,500
J2-IB-1	2	Interior block wall	Blue	24,100
J2-DB-14	2	Duplicate sample	Blue	21,700
J3-EB-1	3	Exterior block wall	Blue	523
J5-IB-1	5	Interior block wall	Blue	15,200
J5-EB-1	5	Exterior block wall	Blue	468
J6-EB-01	6	Exterior block wall	Blue	885
J7-DB-1	7	Metal door	Blue	33,100
J7-IW-1	7	Interior block wall	White	2,250
J9-DB-1	9	Exterior wood door	Blue	36,700
J10-IW-1	10	Interior concrete wall	White	314
J12-DB-1	12	Metal door	Blue	23,900
J12-IW-1	12	Interior I-Beam	White	22,200
J18-IG-1	18	Interior block wall	Gray	1,600
J20-IW-1	20	Interior block wall	White	948
J20-IB-1	20	Interior block wall	Blue	8,950

TABLE 3
FORMER J AND L STEEL SITE
PCB CONTENT IN BUILDING MATERIALS

Sample ID	Bldg	Component	Aroclors (ug/Kg)									Total PCB (ug/Kg)	Total PCB (mg/Kg)
			1016	1221	1232	1242	1248	1254	1260	1262	1268		
J1-WCK-P1	1	Window caulk	ND	ND	ND	ND	ND	3,500	ND	ND	ND	3,500	3.5
J1-WCK-P2	1	Window caulk	ND	ND	ND	ND	ND	1,500	ND	ND	ND	1,500	1.5
J2-WCK-2	2	Window caulk	ND	ND	ND	ND	ND	120,000	ND	ND	ND	120,000	120
J2-WGL-1	2	Window glazing	ND	ND	ND	ND	ND	6,500	ND	ND	ND	6,500	6.5
J3-WCK-3	3	Window caulk	ND	ND	ND	ND	ND	670,000	ND	ND	ND	670,000	670
J3-WGL-2	3	Window glazing	ND	ND	ND	ND	ND	3,700	ND	ND	ND	3,700	3.7
J3-WGL-4	3	Window glazing	ND	ND	ND	ND	ND	1,600	ND	ND	ND	1,600	1.6
J3-WCK-15	3	Window caulk	ND	ND	ND	ND	ND	18,000	ND	ND	ND	18,000	18
J3-WCK-5	3	Window caulk	ND	ND	ND	ND	ND	15,000	ND	ND	ND	15,000	15
J3-WCK-1	3	Window caulk	ND	ND	ND	ND	ND	12,000	ND	ND	ND	12,000	12
J5-WCK-P1	5	Window caulk	ND	ND	ND	ND	ND	5,300	ND	ND	ND	5,300	5.3
J6-WCK-P3	6	Window caulk	ND	ND	ND	ND	ND	210,000	ND	ND	ND	210,000	210
J6-WCK-P2[a]	6	Window caulk	ND	ND	ND	ND	ND	24,000	ND	ND	ND	24,000	24
J7-WGL-2	7	Window glazing	ND	ND	ND	ND	ND	7,900	ND	ND	ND	7,900	7.9
J7-WCK-3	7	Window caulk	ND	ND	ND	ND	ND	520,000	ND	ND	ND	520,000	520
J7-WGL-4	7	Window glazing	ND	ND	ND	ND	ND	1,200	ND	ND	ND	1,200	1.2
J8-WGL-1	8	Window glazing	ND	ND	ND	ND	ND	390	ND	ND	ND	390	0.4
J10-WCK-P1	10	Window glazing	ND	ND	ND	ND	ND	210,000	ND	ND	ND	210,000	210
J10-WGL-P2	10	Window glazing	ND	ND	ND	ND	ND	1,500	ND	ND	ND	1,500	1.5
J10-WGL-P10	10	Window glazing	ND	ND	ND	ND	ND	1,300	ND	ND	ND	1,300	1.3
J20-WCK-3[b]	20	Window caulk	ND	ND	ND	ND	ND	12,000	ND	ND	ND	12,000	12.0
J20-WLS-7	20	Wall seam sealant	ND	ND	ND	ND	ND	900,000	ND	ND	ND	900,000	900
J20-DCK-6	20	Door caulk	ND	ND	ND	ND	ND	12,000	ND	ND	ND	12,000	12.0
J32-WCK-2	32	Window caulk	ND	ND	ND	ND	ND	610,000	ND	ND	ND	610,000	610
J32-DCK-4	32	Door caulk	ND	ND	ND	ND	ND	370,000	ND	ND	ND	370,000	370
J32-WGL-3	32	Window glazing	ND	ND	ND	ND	ND	190,000	ND	ND	ND	190,000	190

NOTES:

Highlighted results indicate exceedence of 50 mk/kg

PCBs were identified in previous surveys as being present in wood block flooring in Buildings 7 and 12.

a - field sample ID is J6-WGL-2

b - field sample ID is J20-WCK-4

TABLE 4
FORMER J AND L STEEL SITE
LEAD CONTENT IN DEBRIS PILES

Sample ID	Bldg	Component	Lead concentration
			(mg/kg)
JDP-L1	SE of Bldg 32	Black / gray layer on sheet metal	80.2
JDP-L2	SE of Bldg 32	Black / gray layer on corrugated tin panels	733
JDP-L3	W side of Bldg 12	Black / gray layer on corrugated tin panels	884
JDP-L4	Area N of silos	Black / gray layer on corrugated tin panels	256

TABLE 5
FORMER J & L STEEL SITE
ASBESTOS SURVEY SUMMARY FOR DEBRIS PILES

Material Description	Debris Location	Sample ID	Asbestos Content	Friability
Black / gray tar-like mtl on metal sheets, possibly roofing debris	SE of Bldg 32	JDP-1-1	26.6% Chrysotile	Non-friable
		JDP-1-2		
Black / gray paper layer on corrugated tin panels	SE of Bldg 32	JDP-2-1	37.3% Chrysotile	Friable
		JDP-2-2		
Smooth and corrugated transite panels, broken	Many locations throughout site	Known ACM	ACM	Non-friable
Black / gray heavy tar / fabric sheets	W side of Bldg 12	JDP-3-1	27.0% Chrysotile	Non-friable
		JDP-3-2		
Black / gray coating on corrugated tin (from cubed scrap)	W side of Bldg 12	JDP-4-1	36.8% Chrysotile	Non-friable
		JDP-4-2		
Gray coating on corrugated tin	Area N of silos	JDP-5-1	58.0% Chrysotile	Non-friable
		JDP-5-2		
Gray coating on corrugated tin	SW side of Bldg 10	J10-SC-9-1	57.1% Chrysotile	Non-friable
		J10-SC-9-1		
Black insulation on abandoned pipe	N side of Bldg 10	J10-PIA-8-1	None detected	NA
		J10-PIA-8-1	None detected	NA

ACM - asbestos containing material

TABLE 6

FORMER J AND L STEEL SITE

SUMMARY OF AIRBORNE FIBER SAMPLING

Sample ID	Location	Pump ID	Time on	Time off	Average flow (liters per minute[lpm])	Volume (liters)	Fibers/cc	Comments
JL-1	Bldg. 2	6470	750	1550	4	1920	<0.001	At window with damaged ACM plaster inside
JL-2	Bldg. 6	12547	754	1629	3.8	1957	<0.001	In doorway; open bags of ACM waste inside bldg.
JL-3	Bldg. 3	12827	801	1552	4	1884	<0.001	Near open door
JL-4	Bldg. 8	13485	805	1554	3.8	1782	<0.002	Near open door
JL-5	Bldg. 22	10410	811	1558	3.8	1774	<0.002	Roof debris nearby
JL-6	Bldg. 32	2816	819	1606	3.4	1587	<0.002	Near open door / downwind
JL-7	Bldg. 30	13864	822	1610	3.7	1731	<0.002	Near transite debris
JL-8	Bldg. 12	7787	839	1330	4	1164	<0.002	At debris piles
JL-9	Blank							Acceptable blank
JL-10	Blank							Acceptable blank
JL-11	Fence opp. Bldg 9	13485	711	1230	3.9	1244	<0.002	Background sample based on prevailing wind direction
JL-12	Main gate fence	13464	713	1231	4	1272	<0.002	Background sample based on prevailing wind direction

The ICR56 and EPA have established a limit of 0.01 fibers per cubic centimeter (f/cc)
(or background, whichever is greater) for final clearances of asbestos abatement projects.
These limits were used as a basis for determining the level of asbestos exposure that may have
emanated from known or suspected asbestos-containing materials around the J&L site.
Each air sample was determined to be below the 0.01 f/cc threshold.

TABLE 7
FORMER J AND L STEEL SITE
PETROLEUM PRODUCTS SURVEY

WELL ID	NORTHING	EASTING	GROUND/TOP MANHOLE ELEV.[1]	TOP OF COVER ELEV. STEEL	TOP OF WELL ELEV. PVC	DATE	PID READING (ppm)	DEPTH TO PRODUCT (FT)	DEPTH TO WATER (FT)	TOTAL DEPTH OF WELL (FT)	PRODUCT THICKNESS (FT)
MW2A	1944389.58	361631.21	1408.20	1410.82	1410.47	8/28/12	0.00	9.80	10.10	17.40	0.30
MW3	1944236.28	361678.42	1408.40	1410.60	1410.25	8/29/12	0.90	9.00	10.90	18.20	1.90
MW4A-MH	1944600.95	361819.83	1405.10	1408.48	1408.20	8/29/12	0.20	0.00	8.46	23.84	0.00
MW5	1944539.15	361658.93	1405.00	1408.66	1408.31	8/28/12	0.30	7.85	10.20	20.30	2.35
MW6A	1944471.47	361361.11	1403.00	1407.16	1406.76	8/28/12	0.00	0.00	7.40	13.50	0.00
MW7	1944422.24	361486.64	1405.70	1408.49	1407.96	8/28/12	0.00	0.00	8.60	21.50	0.00
MW8	1944282.44	361416.95	1407.60	1410.09	1410.02	8/29/12	2.70	0.00	9.70	20.80	0.00
MW9	1944278.19	361280.76	1407.60	1410.40	1410.36	8/29/12	2.50	0.00	10.05	22.20	0.00
MW10	1944226.45	360789	1407.40	1410.58	1410.46	8/28/12	0.00	0.00	13.00	20.85	0.00
MW11	1944525.53	361526.77	1404.40	1407.42	1407.16	8/28/12	0.00	0.00	7.20	21.80	0.00
MW12A	1944394.23	361842.44	1409.60	1411.86	1411.39	8/29/12	53.80	0.00	10.39	17.30	0.00
MW13	1944548.26	362283.75	1432.40	1435.75	1435.52	8/29/12	2.00	0.00	37.75	39.45	0.00
MW14	1944102.18	361731.93	1423.30	1426.14	1425.70	8/29/12	0.10	24.45	24.80	39.05	0.35
MW15	1944470.27	361905.8	1409.00	1411.28	1411.02	8/29/12	8.40	9.93	13.00	22.36	3.07
MW16	1944137.45	361828.42	1425.30	1428.22	1428.00	8/29/12	0.60	0.00	26.55	37.80	0.00
MW17	1944007.76	361636.76	1421.80	1424.94	1424.70	8/29/12	0.80	22.98	24.58	38.00	1.60
MW18	1944011.62	361785.72	1436.00	1438.49	1438.25	8/29/12	0.00	0.00	36.50	47.90	0.00
MW19	1943892.46	361655.16	1434.20	1437.40	1437.20	8/29/12	0.00	0.00	35.25	46.75	0.00
MW20	1943977.77	361939.28	1436.40	1439.42	1439.19	8/29/12	1.20	0.00	37.05	47.87	0.00

TABLE 7
FORMER J AND L STEEL SITE
PETROLEUM PRODUCTS SURVEY

WELL ID	NORTHING	EASTING	GROUND/TOP MANHOLE ELEV.[1]	TOP OF COVER ELEV. STEEL	TOP OF WELL ELEV. PVC	DATE	PID READING (ppm)	DEPTH TO PRODUCT (FT)	DEPTH TO WATER (FT)	TOTAL DEPTH OF WELL (FT)	PRODUCT THICKNESS (FT)
MW21	1943930.86	361538.37	1420.20	1423.38	1423.22	8/29/12	0.10	0.00	21.50	37.50	0.00
MW22	1944271.87	361068.06	1407.50	1410.44	1410.13	8/28/12	0.30	0.00	10.10	18.50	0.00
MW23	1944255.67	361954.49	1436.00	1439.71	1439.19	8/29/12	0.50	38.16	38.19	47.79	0.03
MW24-MH	1944117.01	360762.44	1409.70	1411.90	1411.64	8/29/12	0.00	0.00	12.30	22.20	0.00
MW25-MH	1944180.4	360782.14	1410.50	1413.83	1413.55	8/28/12	0.00	0.00	14.30	24.30	0.00
MW26-MH	1944378.26	361094.38	1407.70	1411.03	1410.74	8/28/12	1.10	0.00	11.20	25.00	0.00
MW27-MH	1944437.15	361259.31	1406.40	1409.70	1409.44	8/28/12	0.00	0.00	10.10	17.50	0.00
MW28	1944156.38	361547.11	1410.30	1412.87	1412.47	8/29/12	0.20	0.00	11.05	17.55	0.00
MW29	1944496.59	361788.96	1407.70	1410.64	1410.13	8/29/12	43.00	9.01	11.76	16.75	2.75
MW30	1944075.6	361948.35	1436.70	1439.96	1439.42	8/29/12	2.00	0.00	37.51	43.70	0.00
MW31	1944166.05	362005.99	1436.60	1439.76	1439.35	8/29/12	2.60	0.00	37.45	45.05	0.00
MW32	1944285.16	362048.53	1436.80	1439.98	1439.53	8/29/12	3.20	0.00	37.94	45.20	0.00
MW33	1944547.21	361854.73	1407.80	1410.80	1410.38	8/29/12	0.20	0.00	10.07	17.00	0.00
MW34	1944028.03	361562.59	1418.70	1421.88	1421.42	8/29/12	0.40	0.00	19.45	27.90	0.00
MW35	1944336.88	361614.38	1407.90	1410.72	1410.25	8/28/12	0.30	0.00	9.45	17.30	0.00
MW36	1944563.46	362010.32	1409.60	1413.12	1412.45	8/29/12	0.60	0.00	12.51	16.95	0.00
MW37	1944121.68	361719.68	1422.90	1426.12	1425.73	8/29/12	0.00	0.00	24.17	30.85	0.00
MW-FD-MH	1944556.28	361641.18	1405.10	1407.45	NONE	8/29/12	0.90	0.00	16.96	14.50	0.00
MWS2-MH	1944261.16	361797.52	1411.10	1412.40	NONE	8/29/12	187.00	10.50	10.56	12.65	0.06

TABLE 7
FORMER J AND L STEEL SITE
PETROLEUM PRODUCTS SURVEY

WELL ID	NORTHING	EASTING	GROUND/TOP MANHOLE ELEV.[1]	TOP OF COVER ELEV. STEEL	TOP OF WELL ELEV. PVC	DATE	PID READING (ppm)	DEPTH TO PRODUCT (FT)	DEPTH TO WATER (FT)	TOTAL DEPTH OF WELL (FT)	PRODUCT THICKNESS (FT)
MWS3-MH	1944304.16	361849.02	1411.80	1413.10	NONE	8/28/12	6.60	11.50	11.55	13.40	0.05
MWS4-MH	1944402.6	361898.53	1408.70	1411.89	NONE	8/29/12	114.00	10.30	10.30	11.51	0.00
MWS6-MH	1944376.59	361625.98	1410.10	NONE	NONE	8/29/12	114.00	10.30	10.31	11.51	0.01
MW(LOCKED)	1943521.99	362442.65	-------	-------	-------						0.00
MW(LOCKED)	1945197.12	361820.93	-------	-------	-------						0.00
MW-101	1943998.4	362148.09	1438.80	1442.02	1441.81	8/29/12	0.00	0.00	39.20	48.75	0.00
MW-102	1944004.36	362198.94	1438.40	1441.35	1441.19	8/29/12	1.20	0.00	38.50	43.50	0.00
MW-103	1944202.18	361110.97	1406.70	1409.85	1409.67	8/29/12	1.40	0.00	9.90	23.60	0.00
MW-104	1944192.89	360963.92	1407.30	1410.06	1409.67	8/29/12	0.60	0.00	10.25	22.50	0.00
MW-105	1944007.02	362446.1	1436.60	1439.36	1439.13	8/29/12	1.10	0.00	36.06	42.40	0.00

[1] *This survey data is referenced horizontally to the North American Datum of 1983, 2011 adjustment (NAD83/2011) and projected on the New York State Plane Coordinate System (East Zone) and vertically to the North American Vertical Datum of 1988 (NAVD88).*

All units are expressed in US Survey Feet.

Table 8
Former J and L Steel Site
Validated Monitoring Well Borings Soil Results
Detected Compound Summary

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Depth Sampled: Validated:	JL-MW-01-SS JL-MW-01-SS L2120-03 MITKEM L2120 SOIL 0-0.5 ft 10/1/2012 12/13/2012	JL-MW-02-SS JL-MW-02-SS L2120-02 MITKEM L2120 SOIL 0-0.5 ft 10/2/2012 12/13/2012	JL-MW-03-SS JL-MW-03-SS L2120-01 MITKEM L2120 SOIL 0-0.5 ft 10/1/2012 12/13/2012	JL-MW-04-SS JL-MW-04-SS L1928-01 MITKEM L1928 SOIL 0-0.5 ft 9/5/2012 12/13/2012	JL-MW-05-SS JL-MW-05-SS L1958-01 MITKEM L1958 SOIL 0-0.5 ft 9/7/2012 12/13/2012	JL-MW-06-SS JL-MW-06-SS L1958-02 MITKEM L1958 SOIL 0-0.5 ft 9/9/2012 12/13/2012	JL-MW-07-SS JL-MW-07-SS L1958-03 MITKEM L1958 SOIL 0-0.5 ft 9/10/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
75-34-3	1,1-DICHLOROETHANE	0.27	mg/Kg	ND	ND	ND	ND	ND	ND	0.042 J
95-63-6	1,2,4-TRIMETHYLBENZENE	3.6	mg/Kg	ND	ND	ND	ND	53 J	ND	50
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8.4	mg/Kg	ND	ND	ND	ND	8.3	ND	11
67-64-1	ACETONE	0.05	mg/Kg	0.017 J	R	R	0.0045 J	R	R	R
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	NS	mg/Kg	ND	ND	ND	ND	ND	ND	4.6
100-41-4	ETHYLBENZENE	1	mg/Kg	ND	ND	ND	ND	0.92	ND	5.3
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	mg/Kg	ND	ND	ND	ND	1.9	ND	3.7
136777-61-2	M,P-XYLENES	0.26	mg/Kg	ND	ND	ND	ND	1.2	ND	6.1
75-09-2	METHYLENE CHLORIDE	0.05	mg/Kg	0.0028 J	0.0029 J	ND	0.0022 J	0.39 UJ	ND	ND
104-51-8	N-BUTYLBENZENE	12	mg/Kg	ND	ND	ND	ND	8.1	ND	11
103-65-1	N-PROPYLBENZENE	3.9	mg/Kg	ND	ND	ND	ND	3.6	ND	6.5
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	mg/Kg	ND	ND	ND	ND	2.2	ND	2.1
135-98-8	SEC-BUTYLBENZENE	11	mg/Kg	ND	ND	ND	ND	ND	ND	4.9
127-18-4	TETRACHLOROETHYLENE(PCE)	1.3	mg/Kg	ND	ND	ND	ND	0.19 J	ND	ND
XYLENES	XYLENES, TOTAL	0.26	mg/Kg	ND	ND	ND	ND	2.5	ND	5.2
	SEMIVOLATILES									
91-57-6	2-METHYLNAPHTHALENE	NS	mg/Kg	ND	ND	ND	ND	5.6	ND	14
120-12-7	ANTHRACENE	100	mg/Kg	ND	ND	ND	ND	0.094 J	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	mg/Kg	1.6	0.39 J	0.6	0.25 J	0.26 J	0.093 J	0.16 J
91-20-3	NAPHTHALENE	12	mg/Kg	ND	ND	ND	ND	ND	ND	1.7
84-74-2	DI-N-BUTYL PHTHALATE	NS	mg/Kg	ND	ND	ND	0.14 J	ND	ND	ND
86-73-7	FLUORENE	30	mg/Kg	ND	ND	ND	ND	0.68	ND	0.91
85-01-8	PHENANTHRENE	100	mg/Kg	ND	ND	ND	ND	1.5	ND	1.6
	PCBs									
12672-29-6	PCB-1248 (AROCLOR 1248)	0.1	mg/Kg	ND	ND	ND	0.11	ND	ND	ND
	INORGANICS									
7429-90-5	ALUMINUM	NS	mg/Kg	4480	1220	1370	1540	1290	6170	1240
7440-38-2	ARSENIC	13	mg/Kg	0.66 J	ND	1.3	1.1	0.71 J	4.8	1.1
7440-39-3	BARIUM	350	mg/Kg	231	8.4	15.4	28.1	12.1	30	10.1
7440-41-7	BERYLLIUM	7.2	mg/Kg	0.55	0.22	0.28	0.16 J	0.024 J	2.5	0.0085 J
7440-43-9	CADMIUM	2.5	mg/Kg	ND	ND	ND	0.019 J	0.017 J	0.14 J	ND
7440-70-2	CALCIUM	NS	mg/Kg	1990	778	835	982	550	1190	615
16065-83-1	CHROMIUM III	30	mg/Kg	6.6	ND	ND	ND	ND	11	ND
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	6.6	2.4	3.2	4.3	2.3	11.5	2.2
7440-48-4	COBALT	NS	mg/Kg	8.9	1.5 J	4.1	2.8	1.3 J	9.3	1.4 J
7440-50-8	COPPER	50	mg/Kg	55.6	4.1	5.5	3.6	2.2	18.1	2.1
7439-89-6	IRON	NS	mg/Kg	16800	6320	4980	8570	5040	13800	4700
7439-92-1	LEAD	63	mg/Kg	3.9	1	2.3	1.7	1.2	5.8	0.99
7439-95-4	MAGNESIUM	NS	mg/Kg	2310	524	665	823	512	9510	430
7439-96-5	MANGANESE	1600	mg/Kg	191	48.7	130	125	28.5	324	27.3
7439-97-6	MERCURY	0.18	mg/Kg	0.0088 J	ND	ND	0.019 J	ND	0.14	ND
7440-02-0	NICKEL	30	mg/Kg	11.3	1.5 J	2.3	3.1	1.7 J	10.5	1.9 J
7440-09-7	POTASSIUM	NS	mg/Kg	907	145	235	362 J	159	256	162
7440-23-5	SODIUM	NS	mg/Kg	124	53.6	68.7	197 J	89.2	584	83.7
7440-28-0	THALLIUM	NS	mg/Kg	0.51 J	0.26 J	ND	0.44 J	0.25 J	1.7	0.36 J
7440-62-2	VANADIUM	NS	mg/Kg	19.1	5.5	4	8.4	4.5	12.7	4
7440-66-6	ZINC	109	mg/Kg	37.4	9.3	12.6	16.8	10.9	40.4	9.9
	OTHER									
MOIST	MOISTURE, PERCENT	NS	%	14	17	15	11	17	16	22
SOLID	SOLIDS, PERCENT	NS	%	84.7	83.8	84	95.4	81.8	83.7	81.1

ND - Not Detected
J - Estimated Result
R - Rejected Result

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-4A MW-4A L2319-03 MITKEM L2319 WATER 10/26/12 12:30 12/24/2012	MW-6A MW-6A L2308-18 MITKEM L2308 WATER 10/25/12 12:00 12/24/2012	MW-7 MW-7 L2308-21 MITKEM L2308 WATER 10/24/12 14:55 12/24/2012	MW-8 MW-8 L2287-10 MITKEM L2287 WATER 10/23/12 15:00 12/24/2012	MW-9 MW-9 L2308-19 MITKEM L2308 WATER 10/24/12 14:25 12/24/2012	MW-10 MW-10 L2308-03 MITKEM L2308 WATER 10/24/12 9:50 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	16	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	11	ND	0.71 J	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	3.3	ND	ND	ND	ND	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	12	ND	ND	ND	ND	3 J
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	0.94 J	ND	ND	ND	ND	ND
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	R	R	R
71-43-2	BENZENE	1	ug/L	9.5	ND	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	5	ug/L	5.5	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	11	ND	0.8 J	ND	ND	0.56 J
136777-61-2	M,P-XYLENES	5	ug/L	7.4	ND	ND	ND	ND	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	3	ND	1.5	ND	ND	1.1 J
103-65-1	N-PROPYLBENZENE	5	ug/L	9.7	ND	ND	ND	ND	0.81 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	0.51 J	ND	ND	ND	ND	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	4.1	ND	0.87 J	ND	ND	0.85 J
100-42-5	STYRENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	0.51 J	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	ND	ND	ND	ND	ND
108-88-3	TOLUENE	5	ug/L	0.58 J	ND	ND	ND	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	0.58 J	ND	ND	ND	ND	ND
XYLENES	XYLENES, TOTAL	5	ug/L	7.9	ND	ND	ND	ND	ND
	SEMIVOLATILES								
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	ND	ND	ND	4.9 J	ND	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	ND	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	2.8 J	ND	ND	ND	ND	6.1 J
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	ND	2.3 J	3.5 J	ND	3.4 J	3 J
86-74-8	CARBAZOLE	NS	ug/L	4.8 J	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	2.6 J	ND	ND	ND	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	12	14	14	ND	14	12
86-73-7	FLUORENE	50 (G)	ug/L	2.7 J	ND	6.9 J	ND	2.6 J	5.9 J
91-20-3	NAPHTHALENE	10 (G)	ug/L	25	ND	ND	1.3 J	ND	ND
85-01-8	PHENANTHRENE	50 (G)	ug/L	4.1 J	ND	3.9 J	1.1 J	ND	2.9 J

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-4A MW-4A L2319-03 MITKEM L2319 WATER 10/26/12 12:30 12/24/2012	MW-6A MW-6A L2308-18 MITKEM L2308 WATER 10/25/12 12:00 12/24/2012	MW-7 MW-7 L2308-21 MITKEM L2308 WATER 10/24/12 14:55 12/24/2012	MW-8 MW-8 L2287-10 MITKEM L2287 WATER 10/23/12 15:00 12/24/2012	MW-9 MW-9 L2308-19 MITKEM L2308 WATER 10/24/12 14:25 12/24/2012	MW-10 MW-10 L2308-03 MITKEM L2308 WATER 10/24/12 9:50 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	PESTICIDES								
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	ND	ND	ND	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	ND	0.22	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	ND	ND	ND	0.085 JN	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	ND	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	ND	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	ND	ND	ND
	PCBs								
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	ND	ND	ND	ND	ND
	METALS								
7429-90-5	ALUMINUM	NS	ug/L	2630	ND	196 J	367	1200	842
7440-36-0	ANTIMONY	3	ug/L	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	25	ug/L	8.2 J	ND	ND	ND	ND	ND
7440-39-3	BARIUM	1000	ug/L	170 J	283	564	92.6 J	481	33.6 J
7440-41-7	BERYLLIUM	3 (G)	ug/L	1.8 J	ND	ND	0.75 J	0.37 J	ND
7440-43-9	CADMIUM	5	ug/L	ND	ND	ND	ND	ND	ND
7440-70-2	CALCIUM	NS	ug/L	92200	41800	52500	19400	25300	13200
7440-47-3	CHROMIUM, TOTAL	50	ug/L	2.2 J	ND	1.6 J	ND	ND	ND
7440-48-4	COBALT	NS	ug/L	13.6 J	3.7 J	4.2 J	26.5 J	22.4 J	31.5 J
7440-50-8	COPPER	200	ug/L	374	27.8 J	7.9 J	13.5 J	152	4.1 J
7439-89-6	IRON	300	ug/L	111000	37300	64500	15300	58000	16900
7439-92-1	LEAD	25	ug/L	ND	ND	ND	ND	21.3	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	7420	2630	4810	3540	5000	1910
7439-96-5	MANGANESE	300	ug/L	1860	2220	2240	4220	8010	1470
7439-97-6	MERCURY	0.7	ug/L	ND	ND	ND	0.054 J	0.029 J	0.065 J
7440-02-0	NICKEL	100	ug/L	15.9 J	5.5 J	3.7 J	33.7 J	28 J	10.4 J
7440-09-7	POTASSIUM	NS	ug/L	12000	3780	8950	4040	3940	3480 J
7782-49-2	SELENIUM	10	ug/L	ND	ND	15.8 J	ND	ND	ND
7440-23-5	SODIUM	20000	ug/L	15900	1340	2160	1040	2110	1360
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	ug/L	3.6 J	ND	ND	ND	2 J	ND
7440-66-6	ZINC	2000 (G)	ug/L	186	13.1 J	41.5 J	78.2	443	368

ND - Not Detected
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TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-11 MW-11 L2308-20 MITKEM L2308 WATER 10/24/12 14:40 12/24/2012	MW-12A MW-12A L2308-12 MITKEM L2308 WATER 10/24/12 16:45 12/24/2012	MW-16 MW-16 L2287-04 MITKEM L2287 WATER 10/23/12 13:05 12/24/2012	MW-16 DUP-102312 L2287-05 MITKEM L2287 WATER 10/23/12 0:00 12/24/2012	MW-18 MW-18 L2287-07 MITKEM L2287 WATER 10/23/12 9:20 12/24/2012	MW-19 MW-19 L2308-16 MITKEM L2308 WATER 10/25/12 10:15 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	ND	ND	2.8	2.2	14	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	ND	0.54 J	16	16	1.2	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	ND	ND	ND	ND	0.93 J	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	ND	110	250	230	9.2	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	ND	28	59	64	6.7	ND
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	R	R	R
71-43-2	BENZENE	1	ug/L	ND	5.1	0.52 J	0.68 J	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	5.7	76	80	39	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	0.87 J	4.6	17	17	12	ND
136777-61-2	M,P-XYLENES	5	ug/L	ND	41	100	100	17	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	0.86 J	5.5	11	11	3.3	ND
103-65-1	N-PROPYLBENZENE	5	ug/L	0.68 J	5.3	19	22	12	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	ND	2.2	2.1	2.4	7.3	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	0.75 J	2	4.8	5.1	4.5	ND
100-42-5	STYRENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	ND	ND	ND	1.7	ND
108-88-3	TOLUENE	5	ug/L	ND	0.73 J	0.7 J	0.85 J	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	ND	ND	ND	ND	ND	ND
XYLENES	XYLENES, TOTAL	5	ug/L	ND	43	100	110	24	ND
	SEMIVOLATILES								
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	ND	140	270	240	55	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	18	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	9.7 J	9.3 J	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	ND	6.2 J	4.9 J	ND	3.1 J	ND
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	7.4 J	3.3 J	ND	ND	ND	2.1 J
86-74-8	CARBAZOLE	NS	ug/L	ND	ND	9.6 J	8.9 J	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	ND	3.3 J	ND	ND	2.4 J	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	15	17	ND	ND	ND	11
86-73-7	FLUORENE	50 (G)	ug/L	5.8 J	6.8 J	5.5 J	5.6 J	4.1 J	ND
91-20-3	NAPHTHALENE	10 (G)	ug/L	ND	100	310	290	53	ND
85-01-8	PHENANTHRENE	50 (G)	ug/L	3.3 J	9.6 J	5.3 J	5.1 J	2.4 J	ND

TABLE 9
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DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-11 MW-11 L2308-20 MITKEM L2308 WATER 10/24/12 14:40 12/24/2012	MW-12A MW-12A L2308-12 MITKEM L2308 WATER 10/24/12 16:45 12/24/2012	MW-16 MW-16 L2287-04 MITKEM L2287 WATER 10/23/12 13:05 12/24/2012	MW-16 DUP-102312 L2287-05 MITKEM L2287 WATER 10/23/12 0:00 12/24/2012	MW-18 MW-18 L2287-07 MITKEM L2287 WATER 10/23/12 9:20 12/24/2012	MW-19 MW-19 L2308-16 MITKEM L2308 WATER 10/25/12 10:15 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	PESTICIDES								
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	0.13	0.37	0.4	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	0.081	0.054 JN	0.18 JN	0.052 JN	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	ND	0.062 JN	0.06 JN	ND	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	0.12 J	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	0.053 J	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	0.051 JN	ND	ND
	PCBs								
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	ND	ND	ND	ND	ND
	METALS								
7429-90-5	ALUMINUM	NS	ug/L	927	839	116 J	123 J	ND	177 J
7440-36-0	ANTIMONY	3	ug/L	9.5 J	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	25	ug/L	73.9	ND	ND	ND	ND	ND
7440-39-3	BARIUM	1000	ug/L	502	65.3 J	85.7 J	88.9 J	32.5 J	13.7 J
7440-41-7	BERYLLIUM	3 (G)	ug/L	0.67 J	ND	0.7 J	0.73 J	ND	ND
7440-43-9	CADMIUM	5	ug/L	ND	ND	ND	ND	ND	ND
7440-70-2	CALCIUM	NS	ug/L	30900	60300	47000	48200	80300	22400
7440-47-3	CHROMIUM, TOTAL	50	ug/L	1.2 J	8.2 J	ND	ND	ND	11.9 J
7440-48-4	COBALT	NS	ug/L	49.9 J	2.9 J	0.84 J	0.7 J	80.8	1 J
7440-50-8	COPPER	200	ug/L	182	ND	ND	ND	ND	25 J
7439-89-6	IRON	300	ug/L	41300	33100	68000	67400	26800	298
7439-92-1	LEAD	25	ug/L	6 J	ND	ND	ND	ND	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	2790	2490	2470	2480	6030	1850
7439-96-5	MANGANESE	300	ug/L	1610	3430	869	876	317	13.6 J
7439-97-6	MERCURY	0.7	ug/L	ND	0.033 J	ND	ND	0.034 J	ND
7440-02-0	NICKEL	100	ug/L	51.1	6.4 J	1.3 J	0.92 J	16.4 J	6.8 J
7440-09-7	POTASSIUM	NS	ug/L	6620	8610 J	3530	3590	2260	1090 J
7782-49-2	SELENIUM	10	ug/L	ND	ND	ND	ND	ND	ND
7440-23-5	SODIUM	20000	ug/L	1030	1480	1870	1890	5090	1570
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	ug/L	5.1 J	2.2 J	3.1 J	2.8 J	ND	ND
7440-66-6	ZINC	2000 (G)	ug/L	22200	5 J	ND	ND	26.1 J	9.1 J

ND - Not Detected
J - Estimated Result
R - Rejected Result

TABLE 9
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VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-20 JL-MW-20 L2286-05 MITKEM L2286 WATER 10/22/12 12:00 12/24/2012	MW-21 MW-21 L2308-17 MITKEM L2308 WATER 10/25/12 11:10 12/24/2012	MW-22 MW-22 L2308-05 MITKEM L2308 WATER 10/24/12 9:45 12/24/2012	MW-24 MW-24 L2308-04 MITKEM L2308 WATER 10/24/12 9:40 12/24/2012	MW-25 MW-25 L2355-01 MITKEM L2355 WATER 11/5/12 10:55 12/24/2012	MW-26 MW-26 L2355-02 MITKEM L2355 WATER 11/5/12 12:10 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	12	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	0.76 J	ND	ND	ND	ND	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	0.77 J	ND	ND	1.1	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	ND	ND	ND	ND	ND	ND
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	R	R	R
71-43-2	BENZENE	1	ug/L	ND	ND	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	1.4	0.66 J
75-00-3	CHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	0.5 J	ND	ND	ND	ND	1.1
136777-61-2	M,P-XYLENES	5	ug/L	ND	ND	ND	ND	ND	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	0.59 J	ND
103-65-1	N-PROPYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	1.3
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	ND	ND	ND	ND	ND	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	0.74 J
100-42-5	STYRENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	ND	ND	ND	ND	ND
108-88-3	TOLUENE	5	ug/L	ND	ND	ND	ND	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	ND	ND	ND	ND	0.64 J	ND
XYLENES	XYLENES, TOTAL	5	ug/L	ND	ND	ND	ND	ND	ND
	SEMIVOLATILES								
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	4 J	ND	ND	2.3 J	ND	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	ND	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	ND	ND	ND	ND	ND	2.1 J
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	ND	2.6 J	2 J	1.8 J	ND	ND
86-74-8	CARBAZOLE	NS	ug/L	ND	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	ND	ND	ND	ND	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	ND	13	12	12	11	12
86-73-7	FLUORENE	50 (G)	ug/L	ND	ND	ND	ND	ND	1.3 J
91-20-3	NAPHTHALENE	10 (G)	ug/L	ND	ND	ND	ND	ND	8.2
85-01-8	PHENANTHRENE	50 (G)	ug/L	1 J	ND	ND	ND	ND	ND

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-20 JL-MW-20 L2286-05 MITKEM L2286 WATER 10/22/12 12:00 12/24/2012	MW-21 MW-21 L2308-17 MITKEM L2308 WATER 10/25/12 11:10 12/24/2012	MW-22 MW-22 L2308-05 MITKEM L2308 WATER 10/24/12 9:45 12/24/2012	MW-24 MW-24 L2308-04 MITKEM L2308 WATER 10/24/12 9:40 12/24/2012	MW-25 MW-25 L2355-01 MITKEM L2355 WATER 11/5/12 10:55 12/24/2012	MW-26 MW-26 L2355-02 MITKEM L2355 WATER 11/5/12 12:10 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	PESTICIDES								
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	ND	ND	ND	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	0.11 J	ND	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	ND	ND	ND	ND	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	ND	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	ND	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	ND	ND	ND
	PCBs								
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	ND	ND	ND	ND	ND
	METALS								
7429-90-5	ALUMINUM	NS	ug/L	ND	67.7 J	173 J	2880	23600	198 J
7440-36-0	ANTIMONY	3	ug/L	ND	ND	ND	ND	9.6 J	ND
7440-38-2	ARSENIC	25	ug/L	ND	ND	ND	ND	112	ND
7440-39-3	BARIUM	1000	ug/L	31.4 J	28.7 J	198 J	40.2 J	2240	226
7440-41-7	BERYLLIUM	3 (G)	ug/L	ND	ND	0.36 J	0.68 J	15.9	ND
7440-43-9	CADMIUM	5	ug/L	ND	ND	ND	ND	19.5	ND
7440-70-2	CALCIUM	NS	ug/L	47100	33700	33700	18400	51300	30000
7440-47-3	CHROMIUM, TOTAL	50	ug/L	ND	1.9 J	1.2 J	ND	52.9	2.3 J
7440-48-4	COBALT	NS	ug/L	1.8 J	ND	61.7	46.8 J	160	1.9 J
7440-50-8	COPPER	200	ug/L	ND	17.3 J	196	37.5	1060	7.3 J
7439-89-6	IRON	300	ug/L	2970	276	23500	112 J	725000	28400
7439-92-1	LEAD	25	ug/L	ND	ND	ND	ND	99.5	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	3590	1480	5780	1140	5900	4050
7439-96-5	MANGANESE	300	ug/L	59.1	ND	5190	434	17100	3410
7439-97-6	MERCURY	0.7	ug/L	ND	ND	0.039 J	0.066 J	0.18 J	ND
7440-02-0	NICKEL	100	ug/L	3.4 J	1.7 J	59.4	91.1	234	7.1 J
7440-09-7	POTASSIUM	NS	ug/L	5450	2740 J	4690 J	1230 J	4510	4240
7782-49-2	SELENIUM	10	ug/L	ND	ND	ND	ND	28.5 J	ND
7440-23-5	SODIUM	20000	ug/L	13400	1770	2070	949 J	1190	40100
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	13 J	ND
7440-62-2	VANADIUM	NS	ug/L	ND	ND	1.5 J	ND	78.3	1.4 J
7440-66-6	ZINC	2000 (G)	ug/L	ND	5.3 J	75	182	14200	75.4

ND - Not Detected
J - Estimated Result
R - Rejected Result

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-27 MW-27 L2319-02 MITKEM L2319 WATER 10/26/12 10:30 12/24/2012	MW-28 MW-28 L2287-09 MITKEM L2287 WATER 10/23/12 12:15 12/24/2012	MW-30 JL-MW-30 L2286-03 MITKEM L2286 WATER 10/22/12 13:30 12/24/2012	MW-31 JL-MW-31 L2286-06 MITKEM L2286 WATER 10/22/12 15:30 12/24/2012	MW-32 JL-MW-32 L2286-07 MITKEM L2286 WATER 10/22/12 16:45 12/24/2012	MW-33 MW-33 L2308-10 MITKEM L2308 WATER 10/24/12 17:00 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	ND	ND	52	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	ND	ND	13	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	ND	ND	2.2	ND	ND	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	ND	1.5	19	ND	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	ND	ND	2.9	ND	ND	ND
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	R	R	R
71-43-2	BENZENE	1	ug/L	ND	ND	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	ND	1.2	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	ND	ND	3.2	ND	ND	ND
136777-61-2	M,P-XYLENES	5	ug/L	ND	ND	4.4	ND	ND	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	ND	ND	3.9	ND	ND	ND
103-65-1	N-PROPYLBENZENE	5	ug/L	ND	ND	2.7	ND	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	ND	ND	3.6	ND	ND	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	ND	0.62 J	2.2	ND	ND	ND
100-42-5	STYRENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	ND	ND	ND	ND	ND
108-88-3	TOLUENE	5	ug/L	ND	ND	ND	ND	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	0.63 J	ND	ND	ND	2	ND
XYLENES	XYLENES, TOTAL	5	ug/L	ND	ND	8	ND	ND	ND
	SEMIVOLATILES								
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	ND	ND	9 J	ND	ND	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	ND	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	ND	ND	3.4 J	ND	ND	ND
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	ND	ND	ND	ND	ND	2.2 J
86-74-8	CARBAZOLE	NS	ug/L	ND	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	ND	ND	ND	ND	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	12	ND	ND	ND	ND	12
86-73-7	FLUORENE	50 (G)	ug/L	ND	ND	7.2 J	ND	ND	ND
91-20-3	NAPHTHALENE	10 (G)	ug/L	ND	4	14	ND	ND	ND
85-01-8	PHENANTHRENE	50 (G)	ug/L	ND	ND	ND	ND	ND	ND

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NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-27 MW-27 L2319-02 MITKEM L2319 WATER 10/26/12 10:30 12/24/2012	MW-28 MW-28 L2287-09 MITKEM L2287 WATER 10/23/12 12:15 12/24/2012	MW-30 JL-MW-30 L2286-03 MITKEM L2286 WATER 10/22/12 13:30 12/24/2012	MW-31 JL-MW-31 L2286-06 MITKEM L2286 WATER 10/22/12 15:30 12/24/2012	MW-32 JL-MW-32 L2286-07 MITKEM L2286 WATER 10/22/12 16:45 12/24/2012	MW-33 MW-33 L2308-10 MITKEM L2308 WATER 10/24/12 17:00 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	PESTICIDES								
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	ND	ND	ND	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	ND	ND	ND	ND	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	ND	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	ND	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	ND	ND	ND
	PCBs								
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	ND	ND	ND	ND	ND
	METALS								
7429-90-5	ALUMINUM	NS	ug/L	571	1370	115 J	180 J	597	346
7440-36-0	ANTIMONY	3	ug/L	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	25	ug/L	24.8	ND	ND	ND	ND	ND
7440-39-3	BARIUM	1000	ug/L	147 J	572	98.5 J	16.3 J	83.2 J	362
7440-41-7	BERYLLIUM	3 (G)	ug/L	0.4 J	ND	ND	0.38 J	ND	ND
7440-43-9	CADMIUM	5	ug/L	ND	ND	ND	ND	ND	ND
7440-70-2	CALCIUM	NS	ug/L	47700	39200	69300	28000	31700	35200
7440-47-3	CHROMIUM, TOTAL	50	ug/L	ND	7.8 J	ND	ND	ND	ND
7440-48-4	COBALT	NS	ug/L	7.9 J	ND	5.9 J	ND	1.4 J	7.7 J
7440-50-8	COPPER	200	ug/L	55.9	4.4 J	ND	ND	5.1 J	247
7439-89-6	IRON	300	ug/L	59800	72600	6770	99.4 J	383	44600
7439-92-1	LEAD	25	ug/L	ND	ND	ND	ND	ND	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	3250	2520	7730	2040	15100	2700
7439-96-5	MANGANESE	300	ug/L	2070	1960	398	ND	11.6 J	2330
7439-97-6	MERCURY	0.7	ug/L	ND	0.031 J	ND	0.054 J	0.036 J	0.038 J
7440-02-0	NICKEL	100	ug/L	6.6 J	4.1 J	2.6 J	7.3 J	2.1 J	9.4 J
7440-09-7	POTASSIUM	NS	ug/L	4550	4190	5580	1910	7210	4490 J
7782-49-2	SELENIUM	10	ug/L	ND	ND	ND	ND	ND	14.5 J
7440-23-5	SODIUM	20000	ug/L	1630	1770	2470	2480	5980	1350
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	ug/L	ND	4.2 J	ND	ND	ND	ND
7440-66-6	ZINC	2000 (G)	ug/L	20.2 J	ND	ND	ND	ND	28.8 J

ND - Not Detected
J - Estimated Result
R - Rejected Result

TABLE 9
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DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-34 MW-34 L2287-08 MITKEM L2287 WATER 10/23/12 10:55 12/24/2012	MW-35 MW-35 L2308-14 MITKEM L2308 WATER 10/25/12 9:30 12/24/2012	MW-36 MW-36 L2308-11 MITKEM L2308 WATER 10/24/12 16:25 12/24/2012	MW-37 MW-37 L2287-06 MITKEM L2287 WATER 10/23/12 11:15 12/24/2012	MW-101 JL-MW-101 L2286-04 MITKEM L2286 WATER 10/22/12 11:15 12/24/2012	MW-102 MW-102 L2287-03 MITKEM L2287 WATER 10/23/12 9:30 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	ND	ND	ND	1.5	50	3.3
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	0.95 J	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	ND	2.6	1.3	5.5	ND	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	ND	ND	ND	ND	11	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	0.83 J	1.3	ND	190	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	8.2	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	ND	ND	ND	61	ND	ND
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	9.3 J	R	R
71-43-2	BENZENE	1	ug/L	ND	2.9	ND	6.9	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	2.9	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	0.66 J	ND	ND	17	ND	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	3.2	ND	41	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	ND	8.3	ND	9.8	ND	ND
136777-61-2	M,P-XYLENES	5	ug/L	ND	ND	ND	140	ND	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	0.98 J	2	ND	13	ND	ND
103-65-1	N-PROPYLBENZENE	5	ug/L	ND	7.3	ND	13	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	ND	ND	ND	34	ND	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	0.99 J	3.1	ND	5.8	ND	ND
100-42-5	STYRENE	5	ug/L	ND	ND	ND	1.1	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	ND	ND	ND	0.84 J	ND
108-88-3	TOLUENE	5	ug/L	ND	ND	ND	9.8	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	ND	ND	0.72 J	ND	16	37
XYLENES	XYLENES, TOTAL	5	ug/L	ND	ND	ND	170	ND	ND
	SEMIVOLATILES								
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	ND	ND	3.3 J	1900	ND	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	ND	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	ND	5.2 J	ND	ND	ND	ND
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	30 J	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	ND	4.1 J	2.4 J	ND	ND	ND
86-74-8	CARBAZOLE	NS	ug/L	ND	3 J	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	ND	2.1 J	ND	ND	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	ND	12	13	ND	ND	ND
86-73-7	FLUORENE	50 (G)	ug/L	3.5 J	5.2 J	ND	ND	ND	ND
91-20-3	NAPHTHALENE	10 (G)	ug/L	ND	18	ND	450	ND	ND
85-01-8	PHENANTHRENE	50 (G)	ug/L	4.4 J	5 J	1.2 J	360	ND	ND

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CAS NO.	COMPOUND		UNITS:						
	PESTICIDES								
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	ND	ND	0.13	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	ND	ND	ND	0.052 JN	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	ND	ND	ND	ND	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	ND	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	ND	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	ND	ND	ND
	PCBs								
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	ND	ND	ND	ND	ND
	METALS								
7429-90-5	ALUMINUM	NS	ug/L	106 J	514	551	529	3390	525
7440-36-0	ANTIMONY	3	ug/L	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	25	ug/L	ND	ND	ND	ND	4.9 J	ND
7440-39-3	BARIUM	1000	ug/L	45.9 J	684	1390	54 J	57.5 J	18.4 J
7440-41-7	BERYLLIUM	3 (G)	ug/L	ND	0.27 J	0.6 J	4.5 J	0.75 J	ND
7440-43-9	CADMIUM	5	ug/L	ND	ND	ND	ND	ND	ND
7440-70-2	CALCIUM	NS	ug/L	40100	74900	17400	80300	43100	15900
7440-47-3	CHROMIUM, TOTAL	50	ug/L	ND	0.65 J	ND	9.3 J	14 J	59.8
7440-48-4	COBALT	NS	ug/L	0.96 J	36.8 J	21.6 J	1.3 J	10.5 J	1.5 J
7440-50-8	COPPER	200	ug/L	ND	14.2 J	69.4	5.6 J	3.6 J	ND
7439-89-6	IRON	300	ug/L	12900	85000	31900	43300	4290	911
7439-92-1	LEAD	25	ug/L	ND	ND	ND	ND	ND	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	2540	4550	2330	3150	7540	2730
7439-96-5	MANGANESE	300	ug/L	428	7760	929	179	328	29.8 J
7439-97-6	MERCURY	0.7	ug/L	0.035 J	ND	ND	ND	0.044 J	ND
7440-02-0	NICKEL	100	ug/L	1.7 J	20.6 J	32.7 J	6 J	15.4 J	34.3 J
7440-09-7	POTASSIUM	NS	ug/L	2530	7890 J	3000 J	3480	5420	1790
7782-49-2	SELENIUM	10	ug/L	ND	14 J	13.5 J	ND	ND	ND
7440-23-5	SODIUM	20000	ug/L	774 J	2530	1070	831 J	10900	9350
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	ug/L	2.1 J	2.1 J	ND	6.9 J	4.3 J	1.9 J
7440-66-6	ZINC	2000 (G)	ug/L	ND	189	80.8	39.7 J	41.9 J	ND

ND - Not Detected
J - Estimated Result
R - Rejected Result

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-103 MW-103 L2308-02 MITKEM L2308 WATER 10/23/12 16:05 12/24/2012	MW-104 MW-104 L2308-01 MITKEM L2308 WATER 10/23/12 16:25 12/24/2012	MW-105 MW-105 L2308-15 MITKEM L2308 WATER 10/25/12 9:20 12/24/2012	JL-MW-01 MW-01 L2308-06 MITKEM L2308 WATER 10/24/12 11:20 12/24/2012	JL-MW-02 MW-02 L2308-08 MITKEM L2308 WATER 10/24/12 12:25 12/24/2012	JL-MW-03 MW-03 L2308-09 MITKEM L2308 WATER 10/24/12 11:40 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	ND	4.6 J	ND	ND	ND	1.5
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	ND	1.5 J	ND	ND	0.74 J	0.5 J
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	R	R	R
71-43-2	BENZENE	1	ug/L	ND	ND	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	ND	ND	ND	ND	0.69 J	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	ND	0.63 J	ND	ND	0.76 J	ND
136777-61-2	M,P-XYLENES	5	ug/L	ND	ND	ND	ND	ND	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	ND	1.1 J	ND	ND	ND	0.59 J
103-65-1	N-PROPYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	ND	ND	ND	ND	ND	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	ND	0.7 J	ND	ND	0.86 J	ND
100-42-5	STYRENE	5	ug/L	ND	ND	ND	ND	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	0.72 J	ND	ND	ND	ND
108-88-3	TOLUENE	5	ug/L	ND	ND	ND	ND	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	ND	ND	ND	ND	ND	ND
XYLENES	XYLENES, TOTAL	5	ug/L	ND	ND	ND	ND	ND	ND
	SEMIVOLATILES								
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	ND	1.6 J	ND	ND	ND	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	ND	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	2 J	3.2 J	ND	ND	ND	ND
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	2.3 J	2.4 J	1.8 J	2.7 J	2.9 J	2.9 J
86-74-8	CARBAZOLE	NS	ug/L	ND	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	ND	1.9 J	ND	ND	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	12	15	12	11 J	13	13
86-73-7	FLUORENE	50 (G)	ug/L	1.8 J	4.3 J	ND	ND	2.5 J	ND
91-20-3	NAPHTHALENE	10 (G)	ug/L	ND	4.2 J	ND	ND	ND	ND
85-01-8	PHENANTHRENE	50 (G)	ug/L	1.7 J	ND	ND	ND	1.4 J	ND

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-103 MW-103 L2308-02 MITKEM L2308 WATER 10/23/12 16:05 12/24/2012	MW-104 MW-104 L2308-01 MITKEM L2308 WATER 10/23/12 16:25 12/24/2012	MW-105 MW-105 L2308-15 MITKEM L2308 WATER 10/25/12 9:20 12/24/2012	JL-MW-01 MW-01 L2308-06 MITKEM L2308 WATER 10/24/12 11:20 12/24/2012	JL-MW-02 MW-02 L2308-08 MITKEM L2308 WATER 10/24/12 12:25 12/24/2012	JL-MW-03 MW-03 L2308-09 MITKEM L2308 WATER 10/24/12 11:40 12/24/2012
CAS NO.	COMPOUND		UNITS:						
	PESTICIDES								
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	ND	ND	ND	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	ND	ND	ND	ND	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	0.07 JN	ND	ND	ND	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	ND	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	ND	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	ND	ND	ND
	PCBs								
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	ND	ND	ND	ND	ND
	METALS								
7429-90-5	ALUMINUM	NS	ug/L	1650	264	5790	800	2510	914
7440-36-0	ANTIMONY	3	ug/L	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	25	ug/L	ND	ND	7.5 J	ND	ND	ND
7440-39-3	BARIUM	1000	ug/L	177 J	600	19.2 J	340	69.9 J	31.3 J
7440-41-7	BERYLLIUM	3 (G)	ug/L	0.38 J	ND	15.1	ND	ND	ND
7440-43-9	CADMIUM	5	ug/L	ND	ND	ND	ND	ND	ND
7440-70-2	CALCIUM	NS	ug/L	5590	36300	198000	31300	26700	20100
7440-47-3	CHROMIUM, TOTAL	50	ug/L	7.2 J	ND	19.1 J	ND	1.7 J	2.1 J
7440-48-4	COBALT	NS	ug/L	20 J	1.4 J	209	7.9 J	28.6 J	4.3 J
7440-50-8	COPPER	200	ug/L	31.5	12.3 J	42.3	33.2	48.7	71.8
7439-89-6	IRON	300	ug/L	26600	33300	250	28200	55400	1110
7439-92-1	LEAD	25	ug/L	ND	ND	ND	ND	ND	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	808	4170	32300	4970	2740	1140
7439-96-5	MANGANESE	300	ug/L	391	3270	19100	2810	2980	69.3
7439-97-6	MERCURY	0.7	ug/L	ND	ND	ND	ND	0.06 J	0.051 J
7440-02-0	NICKEL	100	ug/L	22 J	1.8 J	231	3.8 J	15 J	2.2 J
7440-09-7	POTASSIUM	NS	ug/L	1080 J	4650 J	7310 J	5750 J	4510 J	2060 J
7782-49-2	SELENIUM	10	ug/L	ND	16.6 J	ND	ND	ND	ND
7440-23-5	SODIUM	20000	ug/L	786 J	1220	222000	2010	32200	6960
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	ug/L	2.1 J	ND	ND	2.2 J	ND	ND
7440-66-6	ZINC	2000 (G)	ug/L	341	17.1 J	473	22.8 J	31 J	25.2 J

ND - Not Detected
J - Estimated Result
R - Rejected Result

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria		Dup of JL-MW-03				
			Location ID:	JL-MW-03	JL-MW-04	JL-MW-05	JL-MW-06	JL-MW-07
			Sample ID:	DUP_102412	JL-MW-04	JL-MW-05	JL-MW-06	JL-MW-07
			Lab Sample Id:	L2308-07	L2286-02	L2287-01	L2286-01	L2287-02
			Source:	MITKEM	MITKEM	MITKEM	MITKEM	MITKEM
			SDG:	L2308	L2286	L2287	L2286	L2287
			Matrix:	WATER	WATER	WATER	WATER	WATER
			Sampled:	10/24/12 12:00	10/22/12 15:45	10/23/12 8:55	10/22/12 16:25	10/23/12 12:25
			Validated:	12/24/2012	12/24/2012	12/24/2012	12/24/2012	12/24/2012
CAS NO.	COMPOUND		UNITS:					
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	5	ug/L	ND	ND	ND	ND	ND
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/L	2.5	ND	ND	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	ND	ND	ND	ND	ND
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5	ug/L	0.88 J	ND	ND	ND	ND
67-64-1	ACETONE	50 (G)	ug/L	R	R	R	R	R
71-43-2	BENZENE	1	ug/L	ND	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE	60	ug/L	ND	ND	ND	ND	ND
75-00-3	CHLOROETHANE	5	ug/L	ND	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/L	ND	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	5	ug/L	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	5	ug/L	ND	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/L	ND	ND	ND	ND	ND
136777-61-2	M,P-XYLENES	5	ug/L	ND	ND	ND	ND	ND
104-51-8	N-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND
103-65-1	N-PROPYLBENZENE	5	ug/L	ND	ND	ND	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	ND	ND	ND	ND	ND
135-98-8	SEC-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND
100-42-5	STYRENE	5	ug/L	ND	ND	ND	ND	ND
98-06-6	T-BUTYLBENZENE	5	ug/L	ND	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/L	ND	ND	ND	ND	ND
108-88-3	TOLUENE	5	ug/L	ND	ND	ND	1.4	ND
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/L	ND	ND	ND	ND	ND
XYLENES	XYLENES, TOTAL	5	ug/L	ND	ND	ND	ND	ND
	SEMIVOLATILES							
91-57-6	2-METHYLNAPHTHALENE	NS	ug/L	ND	ND	ND	ND	ND
106-47-8	4-CHLOROANILINE	5	ug/L	ND	ND	ND	ND	ND
106-44-5	4-METHYLPHENOL (P-CRESOL)	1	ug/L	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20 (G)	ug/L	ND	ND	ND	ND	ND
120-12-7	ANTHRACENE	50 (G)	ug/L	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	2.5 J	3.4 J	ND	ND	ND
86-74-8	CARBAZOLE	NS	ug/L	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	NS	ug/L	ND	ND	ND	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	50	ug/L	13	ND	ND	ND	ND
86-73-7	FLUORENE	50 (G)	ug/L	ND	ND	ND	ND	ND
91-20-3	NAPHTHALENE	10 (G)	ug/L	ND	ND	ND	ND	ND
85-01-8	PHENANTHRENE	50 (G)	ug/L	ND	ND	ND	ND	ND

TABLE 9
FORMER AND L STEEL SITE
VALIDATED MONITORING WELL GROUNDWATER ANALYTICAL DATA
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Groundwater Analytical Data		NYSDEC Ambient Water Quality Standards/Guidance Criteria		Dup of JL-MW-03				
			Location ID:	JL-MW-03	JL-MW-04	JL-MW-05	JL-MW-06	JL-MW-07
			Sample ID:	DUP_102412	JL-MW-04	JL-MW-05	JL-MW-06	JL-MW-07
			Lab Sample Id:	L2308-07	L2286-02	L2287-01	L2286-01	L2287-02
			Source:	MITKEM	MITKEM	MITKEM	MITKEM	MITKEM
			SDG:	L2308	L2286	L2287	L2286	L2287
			Matrix:	WATER	WATER	WATER	WATER	WATER
			Sampled:	10/24/12 12:00	10/22/12 15:45	10/23/12 8:55	10/22/12 16:25	10/23/12 12:25
			Validated:	12/24/2012	12/24/2012	12/24/2012	12/24/2012	12/24/2012
CAS NO.	COMPOUND		UNITS:					
	PESTICIDES							
319-84-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE	0.01	ug/L	ND	ND	ND	ND	ND
959-98-8	ALPHA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	0.17
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE	0.04	ug/L	ND	ND	ND	ND	ND
33213-65-9	BETA ENDOSULFAN	NS	ug/L	ND	ND	ND	ND	ND
5103-74-2	BETA-CHLORDANE	0.05	ug/L	ND	ND	ND	ND	ND
60-57-1	DIELDRIN	0.004	ug/L	ND	ND	ND	ND	ND
58-89-9	GAMMA BHC (LINDANE)	0.05	ug/L	ND	ND	ND	ND	ND
76-44-8	HEPTACHLOR	0.04	ug/L	ND	ND	ND	ND	ND
	PCBs							
53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/L	ND	1.7	ND	ND	ND
	METALS							
7429-90-5	ALUMINUM	NS	ug/L	706	1440	635	2320	902
7440-36-0	ANTIMONY	3	ug/L	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	25	ug/L	ND	ND	ND	11.2 J	ND
7440-39-3	BARIUM	1000	ug/L	30.2 J	60.8 J	102 J	97.7 J	32.9 J
7440-41-7	BERYLLIUM	3 (G)	ug/L	ND	20.8	3.4 J	4.7 J	ND
7440-43-9	CADMIUM	5	ug/L	ND	1.1 J	ND	ND	ND
7440-70-2	CALCIUM	NS	ug/L	19700	198000	374000	173000	12900
7440-47-3	CHROMIUM, TOTAL	50	ug/L	1.9 J	ND	127	11.5 J	42
7440-48-4	COBALT	NS	ug/L	3.9 J	60.2	7.4 J	150	0.87 J
7440-50-8	COPPER	200	ug/L	9.9 J	18.4 J	8.4 J	13.4 J	ND
7439-89-6	IRON	300	ug/L	845	4010	1580	2280	939
7439-92-1	LEAD	25	ug/L	ND	ND	ND	ND	ND
7439-95-4	MAGNESIUM	35000 (G)	ug/L	1090	37400	81000	31500	3020
7439-96-5	MANGANESE	300	ug/L	59.8	11900	4070	7420	51.5
7439-97-6	MERCURY	0.7	ug/L	0.038 J	0.047 J	ND	0.071 J	ND
7440-02-0	NICKEL	100	ug/L	2.1 J	183	80.1	58.2	20.4 J
7440-09-7	POTASSIUM	NS	ug/L	2130 J	12200	4260	17100	2370
7782-49-2	SELENIUM	10	ug/L	ND	ND	ND	ND	ND
7440-23-5	SODIUM	20000	ug/L	6670	419000	26200	129000	20000
7440-28-0	THALLIUM	0.5 (G)	ug/L	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	ug/L	ND	ND	1.6 J	4.2 J	1.5 J
7440-66-6	ZINC	2000 (G)	ug/L	6.4 J	96.1	13.3 J	92	ND

ND - Not Detected
J - Estimated Result
R - Rejected Result

NYSDEC

TABLE 10
FORMER J AND L STEEL SITE
VALIDATED SURFACE WATER ANALYTICAL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Surface Water Data		NYSDEC Class C Ambient Water Quality Standards/Guidance	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	STA-01 STA-01 L1983-01 MITKEM L1983 WATER 9/19/2012 14:00 12/13/2012	STA-02 STA-02 L1983-02 MITKEM L1983 WATER 9/19/2012 13:30 12/13/2012	STA-03 STA-03 L1983-03 MITKEM L1983 WATER 9/19/2012 13:00 12/13/2012	STA-04 STA-04 L1983-04 MITKEM L1983 WATER 9/19/2012 12:30 12/13/2012	STA-05 STA-05 L1983-05 MITKEM L1983 WATER 9/19/2012 0:00 12/13/2012	Dup of STA-05 STA-05 FD-01 L1983-06 MITKEM L1983 WATER 9/19/2012 0:00 12/13/2012	TRIP BLANK TRIP BLANK L1983-07 MITKEM L1983 WATER 9/19/2012 0:00 12/13/2012
CAS NO.	COMPOUND	Criteria	UNITS:							
	VOLATILES									
67-64-1	ACETONE	NS	ug/L	5 R	5 R	5 R	5 R	5 R	5 R	5 R
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	ug/L	5 R	5 R	5 R	5 R	5 R	5 R	5 R
	SEMIVOLATILES									
84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/L	2.5 J	ND	ND	ND	ND	2 J	
	METALS, TOTAL									
7429-90-5	ALUMINUM	NS	ug/L	88.2 J	83.2 J	75.6 J	80.6 J	92.6 J	89.9 J	
7440-38-2	ARSENIC	150	ug/L	ND	ND	ND	4.8 J	ND	4.5 J	
7440-39-3	BARIUM	NS	ug/L	17.5 J	19.4 J	19.5 J	20.4 J	21.3 J	17.6 J	
7440-70-2	CALCIUM	NS	ug/L	26600	26900	27500	29100	30100	27000	
7440-47-3	CHROMIUM, TOTAL	NS	ug/L	0.65 J	ND	0.66 J	0.82 J	1 J	ND	
7440-48-4	COBALT	NS	ug/L	27.1 J	24.8 J	26.6 J	29.4 J	33.4 J	27.7 J	
7440-50-8	COPPER	NS	ug/L	6.1 J	6.3 J	5.6 J	5.6 J	6.5 J	5.9 J	
7439-89-6	IRON	300	ug/L	3000	2950	2900	2990	3940	3060	
7439-95-4	MAGNESIUM	NS	ug/L	5390	5330	5490	5890	6020	5460	
7439-96-5	MANGANESE	NS	ug/L	1740	1600	1720	1880	1990	1760	
7440-02-0	NICKEL	NS	ug/L	12.7 J	11.5 J	12.2 J	13.8 J	15.7 J	12.6 J	
7440-09-7	POTASSIUM	NS	ug/L	1420	1250	1310	1350	1290	1220	
7440-23-5	SODIUM	NS	ug/L	14100	12200	12700	13200	13300	14400	
7440-66-6	ZINC	NS	ug/L	16.8 J	15.7 J	14.8 J	15.9 J	19.7 J	15.5 J	
	METALS, DISSOLVED									
7440-39-3	BARIUM	NS	ug/L	18.2 J	18.7 J	19.9 J	19.5 J	20.8 J	17.2 J	
7440-70-2	CALCIUM	NS	ug/L	27600	27700	30000	29300	31000	28200	
7440-48-4	COBALT	5	ug/L	26.7 J	23.9 J	26.6 J	27.8 J	32.2 J	27.2 J	
7440-50-8	COPPER	8.42 (1)	ug/L	5.2 J	4.3 J	4.3 J	ND	3.8 J	4.1 J	
7439-89-6	IRON	300	ug/L	881	473	628	321	301	429	
7439-95-4	MAGNESIUM	NS	ug/L	5500	5380	5830	5680	6030	5590	
7439-96-5	MANGANESE	NS	ug/L	1770	1600	1790	1840	2000	1800	
7440-02-0	NICKEL	48.91 (1)	ug/L	12.5 J	10.7 J	12.5 J	13 J	14.8 J	12.2 J	
7440-09-7	POTASSIUM	NS	ug/L	1240	1350	1340	1290	1390	1290	
7440-23-5	SODIUM	NS	ug/L	14300	12400	13200	13200	13500	14400	
7440-66-6	ZINC	77.69 (1)	ug/L	15 J	11.7 J	12.4 J	12.8 J	15.3 J	13.1 J	
	OTHER									
HARD	HARDNESS (AS CACO3)	NS	mgcaco3/l	89	89	91	97	100	90	

(1) - Standard based on an average hardness of 93 mgcaco3/L

NYSDEC

TABLE 11
FORMER J AND L STEEL SITE
VALIDATED SEDIMENT ANAYTICAL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Sediment Analytical Data		NYSDEC Technical Guidance for Screening Contaminated Sediments (1999)		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	STA-01 STA-01 L2088-01 MITKEM L1983 SOIL 9/19/2012 14:00 12/13/2012	STA-02 STA-02 L2088-02 MITKEM L1983 SOIL 9/19/2012 13:30 12/13/2012	STA-03 STA-03 L2088-03 MITKEM L1983 SOIL 9/19/2012 13:00 12/13/2012	STA-04 STA-04 L2015-01 MITKEM L1983 SOIL 9/19/2012 12:30 12/13/2012	STA-05 STA-05 L2015-02 MITKEM L1983 SOIL 9/19/2012 12:00 12/13/2012	STA-05 FD-02 L2015-03 MITKEM L2015 SOIL 9/21/2012 0:00 12/13/2012
CAS NO.	COMPOUND			UNITS:						
	VOLATILES									
71-55-6	1,1,1-TRICHLOROETHANE	NS		ug/Kg	ND	ND	ND	11 J	ND	ND
75-34-3	1,1-DICHLOROETHANE	NS		ug/Kg	ND	ND	ND	26 J	ND	ND
75-35-4	1,1-DICHLOROETHENE	0.02 H(H)		ug/Kg	ND	ND	ND	5.4 J	ND	ND
95-50-1	1,2-DICHLOROBENZENE	120.0 A(A)	12.0 A(C)	ug/Kg	ND	ND	ND	29	ND	ND
67-64-1	ACETONE	NS		ug/Kg	R	R	R	50 J	R	R
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS		ug/Kg	ND	ND	ND	R	R	R
75-09-2	METHYLENE CHLORIDE	NS		ug/Kg	ND	ND	ND	ND	19 J	33 J
98-06-6	T-BUTYLBENZENE	NS		ug/Kg	ND	ND	ND	ND	ND	6.6 J
	SEMIVOLATILES									
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	199.5 A(C)		ug/Kg	ND	ND	ND	440 J	ND	ND
84-74-2	DI-N-BUTYL PHTHALATE	NS		ug/Kg	ND	ND	ND	340 J	ND	ND
77-47-4	HEXACHLOROCYCLOPENTADIENE	6.8 A(A)	0.7 A(C)	ug/Kg	ND	ND	R	ND	ND	ND
	PESTICIDES									
53494-70-5	ENDRIN KETONE	NS		ug/Kg	ND	ND	ND	35	ND	ND
1024-57-3	HEPTACHLOR EPOXIDE	1.3 A(A)	0.09 A(C)	ug/Kg	ND	ND	4.4 J	ND	ND	ND
	METALS	LEL	SEL							
7429-90-5	ALUMINUM	NS		mg/Kg	4310	2160	4450 J	16200	1430	2620
7440-36-0	ANTIMONY	2.0	25.0	mg/Kg	1.6	ND	2.6 J	ND	ND	ND
7440-38-2	ARSENIC	6.0	33.0	mg/Kg	ND	3.8	ND	45	ND	ND
7440-39-3	BARIUM	NS		mg/Kg	199	65.6	180 J	365	73.7	82.3
7440-41-7	BERYLLIUM	NS		mg/Kg	0.53	0.71	0.77 J	11.9	0.11 J	0.13 J
7440-43-9	CADMIUM	0.6	9.0	mg/Kg	0.37	ND	ND	ND	2	1.7
7440-70-2	CALCIUM	NS		mg/Kg	1990 J	1790 J	2520 J	1100	ND	ND
7440-47-3	CHROMIUM, TOTAL	26	110	mg/Kg	12.3	3.3	10.8 J	15.7	2.1	4.4
7440-48-4	COBALT	NS		mg/Kg	32.3	79.9	56.8 J	1240	38.6	68.3
7440-50-8	COPPER	16	110	mg/Kg	103	64.5	81.7 J	221	53 J	743 J
7439-89-6	IRON	2%	4%	mg/Kg	79200	33700	102000 J	180000	136000	128000
7439-92-1	LEAD	31	110	mg/Kg	6.2 J	4.1 J	4.9 J	26.4	1.6	2
7439-95-4	MAGNESIUM	NS		mg/Kg	1190	472	1430 J	2570	446	793
7439-96-5	MANGANESE	460	1100	mg/Kg	406	205	864 J	682	884	1150
7439-97-6	MERCURY	0.15	1.3	mg/Kg	0.0083 J	0.0059 J	0.0067 J	0.044 J	0.0072 J	0.0051 J
7440-02-0	NICKEL	16	50	mg/Kg	32.9	23.8	28.6 J	940	12.2	24.8
7440-09-7	POTASSIUM	NS		mg/Kg	706	233	800 J	1620	234	235
7782-49-2	SELENIUM	NS		mg/Kg	ND	ND	ND	9.7	ND	ND
7440-23-5	SODIUM	NS		mg/Kg	72.2	22.5 J	49.4 J	479	118	87.5
7440-28-0	THALLIUM	NS		mg/Kg	ND	ND	ND	2.7 J	ND	ND
7440-62-2	VANADIUM	NS		mg/Kg	84.4	21.9	70.3 J	107	15.1	36
7440-66-6	ZINC	120	270	mg/Kg	88.3	79.7	78.7 J	1930	45.2	52.3
	OTHER									
MOIST	MOISTURE, PERCENT	NS		%	26	34	51	80	25	22
TOC	TOTAL ORGANIC CARBON	NS		mg/Kg	4300	10000	14000 J	35000 J	2600	2500

(1) - Criteria based upon 1% TOC

A(A) = Benthic Aquatic Life Acute Toxicity
A(C) = Benthic Aquatic Life Chronic Toxicity
H(H) = Human Health Bioaccumulation
LEL = Lower Effects Level
SEL = Severe Effects Level
NS = No Standard

ND = Not Detected
J = Estimated Result
R = Rejected Result

TABLE 12

FORMER J AND L STEEL SITE

SUMMARY OF SEDIMENT PRODUCT ID EVALUATION

Sample ID	Location	Depth	Matrix	Fueld Type ID [1]	TPH Conc. (ug/mL)[2]	Comments
STA-01	Little River	Surface	Sediment	Motor / Hydraulic Oil	922	
STA-03	Little River	Surface	Sediment	Motor / Hydraulic Oil	940	
STA-04	Little River	Surface	Sediment	Motor / Hydraulic / Transformer	934	
STA-05	Little River	Surface	Sediment	Transformer Oil	7,645	Visual petroleum like substance in sample

Notes:

[1] Lab reference standards included: deisal fuel / # 2 fuel oil, motor oil, # 4 fuel oil, # 5 fuel oil, # 6 fuel oil, unleaded gasoline, aviation gasoline, jet fuel A, kerosene, creosote, mineral spirits, hydraulic oil, JP-4, JP-5, transmission fluid, coal tar, transformer oil

[2] Total Petroleum Hydrocarbon analysis relfects TPH in the C9 through C29 range

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TABLE 13
FORMER J AND L STEEL SITE
SOIL SAMPLING SUMMARY FOR ASBESTOS AND LEAD

Sample ID	Material	Location	Soil Description	Asbestos Content	Lead content (mg/kg)
SS-11	Soil sample	E of Bldg 30	Soft, wet, brown, silty sand, some roots & organics	1.5% Chrysotile	50.1
SS-12	Soil sample	SE of Bldg 30	Soft, wet, brown, some roots & organics	ND	110
SS-13	Soil sample	S of Bldg 30	Soft, moist, brown, silty sand, some organics	ND	61.1
SS-61	Soil sample	SE corner of Bldg 9	Moist, loose, brown, silty sand	ND	294
SS-62	Soil sample	N of Bldg 9	Moist, loose, brown, silty sand	ND	22.1
SS-63	Soil sample	NW of Bldg 10	Moist, loose, brown, silty sand	ND	26.3
SS-64	Soil sample	S of Bldg 10	Moist, loose, brown, silty sand	ND	1400
SS-65	Soil sample	W of Bldg 7	Moist, loose, brown, silty sand	ND	29.6
SS-66	Soil sample	N of Bldg 8	Moist, loose, brown, silty sand	ND	47.5
SS-67	Soil sample	E of Bldg 8	Moist, loose, brown, silty sand	ND	27.4
SS-68	Soil sample	N of Bldg 7	Moist, loose, brown, silty sand	ND	10.0
SS-69	Soil sample	S of Bldg 7	Moist, loose, brown, silty sand	ND	505
SS-70	Soil sample	SE of Bldg 5	Moist, loose, brown, silty sand	ND	27.7
SS-71	Soil sample	E of Bldg 3	Moist, loose, brown, silty sand	ND	26.0
SS-72	Soil sample	S of Bldg 3 / 4	Moist, loose, brown, silty sand	ND	61.3
SS-73	Soil sample	SE side of Bldg 2	Moist, loose, brown sand, some silt; adjacent to asphalt	ND	18.6
SS-74	Soil sample	NE of Bldg 2	Dry, loose, light gray, silty sand	ND	87.0
SS-75	Soil sample	N of Bldg 6	Moist, loose, brown, silty sand	ND	97.5
SS-76	Soil sample	E of Bldg 18	Dark brown, loose, slightly moist, silty sand	ND	10.9
SS-77	Soil sample	W of Bldg 20	(Moved 100'?) 15:20, 9/13	ND	86.8
SS-78	Soil sample	SE of silos	Slightly moist, loose, black, sinter-like mtl	ND	3.4
SS-79	Soil sample	SE of slab near silos	Slightly moist, loose, dark brown to black, sinter-like material	ND	245
SS-80	Soil sample	N of slab near silos	Slightly moist, brown, silty sand, some organics	ND	157

TABLE 13
FORMER J AND L STEEL SITE
SOIL SAMPLING SUMMARY FOR ASBESTOS AND LEAD

Sample ID	Material	Location	Soil Description	Asbestos Content	Lead content (mg/kg)
SS-81	Soil sample	NW of slab near silos	Black sinters	ND	25.6
SS-82	Soil sample	S of slab near silos	Slightly moist, light brown, loose, silty sand; asbestos panel	<1% Chrysotile	135
SS-83	Soil sample	S of Bldg 12	Moist, loose, brown, silty sand	ND	1270
SS-84	Soil sample	N of Bldg 12	Moist, loose, brown, silty sand	ND	28.1
SS-85	Soil sample	At slab between Bldg 12 & 21	Moist, loose, brown, silty sand	ND	30.0
SS-86	Soil sample	NE of Bldg 21	Moist, loose, brown, silty sand	ND	30.2
SS-87	Soil sample	N of Bldg 21 / 22	Moist, loose, brown, silty sand	ND	6.2
SS-88	Soil sample	E of Bldg 22	Moist, loose, brown, silty sand	ND	132
SS-89	Soil sample	E of shed near Bldg 22	Moist, loose, brown, silty sand	ND	42.8
SS-90	Soil sample	SE corner of Bldg 32	Soft, moist, silty sand, many overlying leaves	ND	184
SS-91	Soil sample	N of Bldg 32	Soft, moist, sandy silt, some organics & small stones	ND	17.1

ND = None detected

Highlighted results indicate concentration exceeds the New York State 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective for lead

TABLE 14
FORMER J AND L STEEL SITE
VALIDATED SURFACE SOIL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data (PCBs and Metals Only)		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01 L1955-09 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-02 SS-02 L1955-07 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-03 SS-03 L1955-08 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-04 SS-04 L1955-06 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-05 SS-05 L1955-10 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-06 SS-06 L1955-01 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-07 SS-07 L1955-03 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-08 SS-08 L1955-02 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-09 SS-09 L1955-04 MITKEM L1955 SOIL 9/10/2012 12/13/2012	SS-10 SS-10 L1955-05 MITKEM L1955 SOIL 9/10/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:										
	PCBs												
11097-69-1	PCB-1254 (Aroclor 1254)	0.1	mg/Kg	ND	ND	ND	0.12 J	ND	ND	ND	ND	ND	ND
11096-82-5	PCB-1260 (Aroclor 1260)	0.1	mg/Kg	ND	ND	ND	0.13	0.038	0.074	ND	ND	ND	ND
	METALS												
7429-90-5	ALUMINUM	NS	mg/Kg	4900	4380	3640	2850	3520	4730	6140	6930	5000	3870
7440-36-0	ANTIMONY	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	13	mg/Kg	2.6 J	2.5 J	1.9 J	3 J	3.3 J	3.7 J	4.7 J	5.4 J	3.8 J	1.9 J
7440-39-3	BARIUM	350	mg/Kg	171	198	154	115	146	236	392	415	206	110
7440-41-7	BERYLLIUM	7.2	mg/Kg	ND	ND	ND	ND	ND	0.024 J	0.013 J	0.019 J	ND	ND
7440-43-9	CADMIUM	2.5	mg/Kg	1.1 J	0.88 J	0.92 J	0.54 J	0.73 J	1.4 J	1.3 J	1.2 J	1 J	0.67 J
7440-70-2	CALCIUM	NS	mg/Kg	137	544	293	66.2	566	456	198	929	284	866
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	13.9	16.8	18	136	17.2	12.6	12.9	11.4	17.3	13.3
7440-48-4	COBALT	NS	mg/Kg	20.6	20.9	14.7	13.6	14.8	25.9	21	15.2	16.9	15
7440-50-8	COPPER	50	mg/Kg	39.2 J	62.8 J	40.1 J	60.1 J	48.8 J	101 J	91.2 J	128 J	78.3 J	42.9 J
7439-89-6	IRON	NS	mg/Kg	75600	61000	54200	45900	50400	77300	82700	77300	70900	49400
7439-92-1	LEAD	63	mg/Kg	16	104	48.6	611	52.7	41.5	8.2	13.4	29.5	42.6
7439-95-4	MAGNESIUM	NS	mg/Kg	3060	2490	1810	1470	1910	1820	2460	2400	2090	2200
7439-96-5	MANGANESE	1600	mg/Kg	427	366	330	302	278	487	505	499	384	320
7439-97-6	MERCURY	0.18	mg/Kg	0.016 J	0.0092 J	0.0087 J	0.017 J	0.0057 J	0.011 J	0.0099 J	0.0093 J	0.012 J	0.0096 J
7440-02-0	NICKEL	30	mg/Kg	19.9	18.9	14.6	14.6	13.3	23.9	20.7	17.8	21	14.9
7440-09-7	POTASSIUM	NS	mg/Kg	874	903	705	620	684	763	1310	1240	943	743
7782-49-2	SELENIUM	3.9	mg/Kg	ND	1.5 J	0.78 J	1.4 J	0.5 J	ND	1.3 J	ND	ND	ND
7440-22-4	SILVER	2	mg/Kg	0.12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	SODIUM	NS	mg/Kg	46.8 J	51.1	44.2	29.1 J	37.2	52.9	50.8 J	52.9	48.3	34.6 J
7440-28-0	THALLIUM	NS	mg/Kg	ND	0.53 J	ND	0.46 J	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	mg/Kg	72.9	56.3	51.8	40.7	46.3	73.5	75.5	68.2	64.9	44.6
7440-66-6	ZINC	109	mg/Kg	58.5	62.1	51.8	80.2	36.3	159	44.7	40.9	45.9	51.6
	OTHER												
MOIST	MOISTURE, PERCENT	NS	%	17	13	6.7 J	6.2 J	7.8 J	10 J	11	13	14	7.2 J

ND - Not Detected
NS - No Standard
J - Estimated Result
JN - Estimated Presumptive Result

TABLE 14
FORMER J AND L STEEL SITE
VALIDATED SURFACE SOIL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data (PCBs and Metals Only)		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-14 SS-14 L1956-01 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-15 SS-15 L1956-02 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-16 SS-16 L1956-03 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-17 SS-17 L1956-04 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-18 SS-18 L1956-05 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-19 SS-19 L1956-06 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-20 SS-20 L1956-07 MITKEM L1956 SOIL 9/12/2012 12/13/2012	Dup of SS-20 SS-20 SS-DUP L1956-12 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-21 SS-21 L1956-08 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-22 SS-22 L1956-09 MITKEM L1956 SOIL 9/12/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:											
	PCBs													
11097-69-1	PCB-1254 (Aroclor 1254)	0.1	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11096-82-5	PCB-1260 (Aroclor 1260)	0.1	mg/Kg	0.12	ND	ND	ND	0.039	ND	ND	ND	ND	ND	
	METALS													
7429-90-5	ALUMINUM	NS	mg/Kg	6780	6030	6970	4760	6170	8340	7570	7870	2800	9530	
7440-36-0	ANTIMONY	NS	mg/Kg	2.2	ND	ND	ND	ND	ND	ND	0.86 J	0.41 J	ND	
7440-38-2	ARSENIC	13	mg/Kg	10.7	4.8	1.6	4.9	5.2	8.6	3.5	4.9	0.54 J	4.2	
7440-39-3	BARIUM	350	mg/Kg	281	115	147	178	220	655	957	636	82.1	575	
7440-41-7	BERYLLIUM	7.2	mg/Kg	0.1 J	ND	0.021 J	ND	ND	0.062 J	ND	ND	ND	0.15 J	
7440-43-9	CADMIUM	2.5	mg/Kg	5.1	0.49	1	1	1.8	1.5	3.1	3.2	1.9	3.2	
7440-70-2	CALCIUM	NS	mg/Kg	2750	2980	ND	1450	767	2270	ND	ND	ND	ND	
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	40.9	12.8	9.1	9.4	16	10.9	15.9	22.9	11.1	18.6	
7440-48-4	COBALT	NS	mg/Kg	25.8	37.7	23.8	15.3	21.6	19.9	23.1	25.9	16.6	25.7	
7440-50-8	COPPER	50	mg/Kg	157 J	98.6 J	127 J	57.4 J	487 J	130 J	156 J	223 J	48.5 J	68.2 J	
7439-89-6	IRON	NS	mg/Kg	140000	32700	61500	58600	84000	82200	122000	121000	78100	127000	
7439-92-1	LEAD	63	mg/Kg	1010	13.1	4	26.2	87.9	7	19.2 J	96.8 J	2	5.3	
7439-95-4	MAGNESIUM	NS	mg/Kg	3100	6700	2320	1860	3110	3110	2340	2770	727	3040	
7439-96-5	MANGANESE	1600	mg/Kg	989	689	393	337	519	690	502	636	292	650	
7439-97-6	MERCURY	0.18	mg/Kg	0.031 J	0.021 J	0.019 J	0.0062 J	0.017 J	0.011 J	0.018 J	0.027 J	0.0039 J	0.0083 J	
7440-02-0	NICKEL	30	mg/Kg	46.6	34.4	19.6	16.2	22.9	22.8	28.7	30.7	18.6	30.5	
7440-09-7	POTASSIUM	NS	mg/Kg	1030 J	2350 J	526 J	1070 J	1460 J	1510 J	611 J	1770 J	331 J	1550 J	
7782-49-2	SELENIUM	3.9	mg/Kg	ND	1.9 J	0.96 J	1.5 J	0.92 J	ND	ND	ND	ND	ND	
7440-22-4	SILVER	2	mg/Kg	ND	ND	ND	0.89 J	ND	ND	ND	ND	ND	ND	
7440-23-5	SODIUM	NS	mg/Kg	225	70.6	5.5 J	20.3 J	39.9 J	45 J	36.6 J	44.8 J	10 J	51.9 J	
7440-28-0	THALLIUM	NS	mg/Kg	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	
7440-62-2	VANADIUM	NS	mg/Kg	44.8	29.6	34.2	45.5	60.5	70.6	105	87.9	76.1	117	
7440-66-6	ZINC	109	mg/Kg	1290	114	55.8	52.1	159	56.9	54.3	71.3	30	64.1	
	OTHER													
MOIST	MOISTURE, PERCENT	NS	%	34	6.8 J	3.5 J	7.4 J	15	17	15	15	3.5 J	11	

ND - Not Detected
NS - No Standard
J - Estimated Result
JN - Estimated Presumptive Result

TABLE 14
FORMER J AND L STEEL SITE
VALIDATED SURFACE SOIL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data (PCBs and Metals Only)		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-23 SS-23 L1956-10 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-24 SS-24 L1956-11 MITKEM L1956 SOIL 9/12/2012 12/13/2012	SS-25 SS-25 L1956-13 MITKEM L1956 SOIL 9/13/2012 12/13/2012	SS-26 SS-26 L1956-14 MITKEM L1956 SOIL 9/13/2012 12/13/2012	SS-27 SS-27 L1956-15 MITKEM L1956 SOIL 9/13/2012 12/13/2012	SS-28 SS-28 L1956-16 MITKEM L1956 SOIL 9/13/2012 12/13/2012	SS-39 SS-39 L1955-11 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-40 SS-40 L1955-12 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-41 SS-41 L1955-13 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-42 SS-42 L1955-14 MITKEM L1955 SOIL 9/13/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:										
	PCBs												
11097-69-1	PCB-1254 (Aroclor 1254)	0.1	mg/Kg	ND	ND	ND	0.083	ND	0.089 UJ	ND	5.3	1.4	0.062 J
11096-82-5	PCB-1260 (Aroclor 1260)	0.1	mg/Kg	ND	ND	ND	0.051 J	ND	0.089 UJ	ND	ND	0.97	ND
	METALS												
7429-90-5	ALUMINUM	NS	mg/Kg	4550	5500	5800	4120	6250	1730 J	3620	8060	4250	5380
7440-36-0	ANTIMONY	NS	mg/Kg	ND	ND	0.5 J	0.6 J	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	13	mg/Kg	1.2	3.5	4.2	0.38 J	4.1	1.6 J	2.8 J	5.9 J	2.3 J	2.9 J
7440-39-3	BARIUM	350	mg/Kg	151	226	496	125	259	179 J	151	381	200	312
7440-41-7	BERYLLIUM	7.2	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-43-9	CADMIUM	2.5	mg/Kg	3.1	1.9	1.1	2.8	2.1	0.95 J	1.8 J	2.3 J	2.4 J	2.8 J
7440-70-2	CALCIUM	NS	mg/Kg	ND	ND	2650	ND	ND	10200 J	ND	238	ND	ND
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	13.9	11.7	9.9	12.4	13.7	7.5 J	13.5	16.1	12.2	14.2
7440-48-4	COBALT	NS	mg/Kg	20	21.2	23	20.7	24.1	14.3 J	22.6	36.4	27.7	28.4
7440-50-8	COPPER	50	mg/Kg	52.2 J	56.2 J	64 J	44.2 J	105 J	31.9 J	72.8 J	200 J	103 J	71.1 J
7439-89-6	IRON	NS	mg/Kg	120000	96600	65700	109000	102000	32700 J	85400	107000	84800	105000
7439-92-1	LEAD	63	mg/Kg	3.2	4.8	14.2	18.8	416	59.8 J	45.8	105	192	16
7439-95-4	MAGNESIUM	NS	mg/Kg	1420	1700	1940	1150	2180	1340 J	834	2730	1470	1730
7439-96-5	MANGANESE	1600	mg/Kg	422	466	306	394	547	163 J	402	676	400	464
7439-97-6	MERCURY	0.18	mg/Kg	ND	0.0076 J	0.077	0.019 J	0.014 J	0.083 J	0.04	0.65	0.26	0.03 J
7440-02-0	NICKEL	30	mg/Kg	22.2	24.5	19.2	25.2	29.6	13.8 J	25.2	35.4	27.6	27.1
7440-09-7	POTASSIUM	NS	mg/Kg	584 J	725 J	1170 J	410 J	821 J	957 J	480	1560	728	1030
7782-49-2	SELENIUM	3.9	mg/Kg	ND	ND	4.1 J	ND	ND	3.3 J	ND	ND	ND	ND
7440-22-4	SILVER	2	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	SODIUM	NS	mg/Kg	24 J	27.3 J	27.2 J	16.2 J	46.5 J	23.4 J	30.9 J	59.5	33 J	37 J
7440-28-0	THALLIUM	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	mg/Kg	117	88.6	50.5	100	88.5	31.8 J	81.9	101	74.3	96
7440-66-6	ZINC	109	mg/Kg	64.4	45	49.5	37.4	65.3	145 J	75.9	121	94.2	54.4
	OTHER												
MOIST	MOISTURE, PERCENT	NS	%	4.8 J	5.5 J	13	3.3 J	7.9 J	63	9.3 J	12	11	6.8 J

ND - Not Detected
NS - No Standard
J - Estimated Result
JN - Estimated Presumptive Result

TABLE 14
FORMER J AND L STEEL SITE
VALIDATED SURFACE SOIL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data (PCBs and Metals Only)		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-43 SS-43 L1955-15 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-44 SS-44 L1955-16 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-45 SS-45 L1955-17 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-46 SS-46 L1955-18 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-47 SS-47 L1955-19 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-48 SS-48 L1955-20 MITKEM L1955 SOIL 9/13/2012 12/13/2012	SS-49 SS-49 L2083-01 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-50 SS-50 L2083-02 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-51 SS-51 L2083-03 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-52 SS-52 L2083-04 MITKEM L2083 SOIL 9/27/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:										
	PCBs												
11097-69-1	PCB-1254 (Aroclor 1254)	0.1	mg/Kg	ND	ND	2.1	0.047 J	ND	ND	0.037 JN	0.12 J	0.11 J	0.18 J
11096-82-5	PCB-1260 (Aroclor 1260)	0.1	mg/Kg	0.054 J	0.036 JN	2	0.047 J	ND	0.036	0.057	0.13	0.13	0.23
	METALS												
7429-90-5	ALUMINUM	NS	mg/Kg	3980	4020	3780	3920	4320	4470	3430	3730	3870	3900
7440-36-0	ANTIMONY	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	ARSENIC	13	mg/Kg	2.4 J	2.5 J	2.7 J	1.9 J	1.9 J	3.2 J	3.8	4.4	3.8	3.5
7440-39-3	BARIUM	350	mg/Kg	133	155	127	171	193	218	108	152	389	184
7440-41-7	BERYLLIUM	7.2	mg/Kg	ND	ND	ND	ND	ND	0.0019 J	ND	0.012 J	ND	ND
7440-43-9	CADMIUM	2.5	mg/Kg	2.6 J	1.4 J	4.1 J	2.2 J	2.9 J	1.6 J	1	1.6	1.2	1.5
7440-70-2	CALCIUM	NS	mg/Kg	ND	ND	ND	ND	ND	ND	9450	ND	ND	ND
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	16.7	10.7	15.1	12	12	11.6	9.9	15	12.5	11.3
7440-48-4	COBALT	NS	mg/Kg	29.5	23.7	25.8	23.7	23.4	26.2	16.1	22.3	19	15.9
7440-50-8	COPPER	50	mg/Kg	94 J	61.3 J	89.4 J	57.1 J	67.5 J	113 J	57.4	88.8	130	69.6
7439-89-6	IRON	NS	mg/Kg	103000	81000	104000	90000	93600	93800	49400	66700	59000	64900
7439-92-1	LEAD	63	mg/Kg	288	25.5	56.8	8	4.9	7.5	30.7	48.8	46.9	63.7
7439-95-4	MAGNESIUM	NS	mg/Kg	900	1030	812	1090	1270	1490	2970	984	1140	1430
7439-96-5	MANGANESE	1600	mg/Kg	502	389	451	424	430	485	319	396	400	404
7439-97-6	MERCURY	0.18	mg/Kg	0.3	0.017 J	0.055	0.015 J	0.014 J	0.012 J	0.051	0.099	0.042	0.077
7440-02-0	NICKEL	30	mg/Kg	28.8	23.4	32.4	24.5	25.1	26.9	17.2	27.5	20.8	21.2
7440-09-7	POTASSIUM	NS	mg/Kg	701	634	558	692	789	759	529	446	843	959
7782-49-2	SELENIUM	3.9	mg/Kg	ND	ND	ND	ND	ND	ND	4.2	3.3	4.3	4
7440-22-4	SILVER	2	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	SODIUM	NS	mg/Kg	34 J	28.7 J	30.8 J	29.8 J	28.6 J	27.7 J	39 J	22.1 J	28.4 J	25.5 J
7440-28-0	THALLIUM	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	mg/Kg	94	77.8	98.1	86.4	87.2	84.1	51.4	54.2	56.9	52
7440-66-6	ZINC	109	mg/Kg	97.5	58	405	63	133	69.6	73.3	63.9	69.4	68.9
	OTHER												
MOIST	MOISTURE, PERCENT	NS	%	5.9 J	7.1 J	21	6.1 J	7.1 J	5.2 J	9 J	8.8 J	10	8.6 J

ND - Not Detected
NS - No Standard
J - Estimated Result
JN - Estimated Presumptive Result

TABLE 14
FORMER J AND L STEEL SITE
VALIDATED SURFACE SOIL RESULTS
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data (PCBs and Metals Only)		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-53 SS-53 L2083-05 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-54 SS-54 L2083-06 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-55 SS-55 L2083-07 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-56 SS-56 L2083-08 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-57 SS-57 L2083-09 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-58 SS-58 L2083-10 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-59 SS-59 L2083-11 MITKEM L2083 SOIL 9/27/2012 12/13/2012	SS-60 SS-60 L2083-12 MITKEM L2083 SOIL 9/27/2012 12/13/2012	J1101A J1101A L2356-01 MITKEM L2356 SOIL 11/1/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:									
	PCBs											
11097-69-1	PCB-1254 (Aroclor 1254)	0.1	mg/Kg	0.29 J	0.087 J	0.33 J	0.12	2.4	0.21 J	ND	1.1	6.5 J
11096-82-5	PCB-1260 (Aroclor 1260)	0.1	mg/Kg	0.35	0.091	0.33	0.11	ND	0.21	ND	ND	2.9 J
	METALS											
7429-90-5	ALUMINUM	NS	mg/Kg	3320	5430	5270	1770	2610	3290	4530	3560	3450 J
7440-36-0	ANTIMONY	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J
7440-38-2	ARSENIC	13	mg/Kg	3.6	4.5	5	1.3	3.1	8.4	7.8	5.6	ND
7440-39-3	BARIUM	350	mg/Kg	133	101	69.3	46.5	106	201	260	148	381 J
7440-41-7	BERYLLIUM	7.2	mg/Kg	ND	ND	ND	ND	ND	0.013 J	ND	0.016 J	0.15 J
7440-43-9	CADMIUM	2.5	mg/Kg	1.8	0.93	1	0.67	1.9	3.8	0.26	1.4	1.8 J
7440-70-2	CALCIUM	NS	mg/Kg	2560	4000	1750	928	ND	ND	3530	ND	12300 J
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	18.1	12.9	17.9	4.4	16.5	20.8	2	10.2	15 J
7440-48-4	COBALT	NS	mg/Kg	19.8	20	17.4	13.1	16.9	21.1	8.5	18.4	31.8 J
7440-50-8	COPPER	50	mg/Kg	91.5	68.4	79.1	30.6	87.8	73.8	104	148	145 J
7439-89-6	IRON	NS	mg/Kg	67300	51300	50400	47500	83900	124000	26300	63200	92500 J
7439-92-1	LEAD	63	mg/Kg	97.1	132	188	8.5	28.9	43.3	6.4	27.2	301 J
7439-95-4	MAGNESIUM	NS	mg/Kg	1940	2580	1620	365	476	701	1990	1430	1510 J
7439-96-5	MANGANESE	1600	mg/Kg	476	441	355	364	395	543	280	393	529 J
7439-97-6	MERCURY	0.18	mg/Kg	0.16	0.036 J	0.13	0.0024 J	0.015 J	0.01 J	0.013 J	0.017 J	0.56 J
7440-02-0	NICKEL	30	mg/Kg	23.7	20.3	18.2	12.3	21.6	28	8.7	17.5	31.9 J
7440-09-7	POTASSIUM	NS	mg/Kg	459	1640	499	366	544	460	1600	612	1380 J
7782-49-2	SELENIUM	3.9	mg/Kg	3.6	5.7	5.4	4	5	0.95 J	4.1	4	7.6 J
7440-22-4	SILVER	2	mg/Kg	ND	ND	ND	ND	ND	ND	0.42 J	ND	ND
7440-23-5	SODIUM	NS	mg/Kg	36.8 J	44.7 J	43.3 J	20.5 J	23.9 J	26 J	68.5	55.4	55 J
7440-28-0	THALLIUM	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J
7440-62-2	VANADIUM	NS	mg/Kg	54	54.8	49.8	63	79.1	85	10.8	52.4	75.7 J
7440-66-6	ZINC	109	mg/Kg	97.1	101	284	43.6	77.1	121	24.1	73	355 J
	OTHER											
MOIST	MOISTURE, PERCENT	NS	%	11	32	25	4.6 J	13	15	6.8 J	8.3 J	70

ND - Not Detected
NS - No Standard
J - Estimated Result
JN - Estimated Presumptive Result

TABLE 15
FORMER J AND L STEEL SITE
VALIDATED SURFACE SOIL RESULTS FOR PART 375 ANALYSES
DETECTED COMPOUND SUMMARY

NYSDEC-J&L Steel Site 2012 Site Investigation Validated Soil Analytical Data (Part 375 Compound List)		6 NYCRR Part 375 Unrestricted Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-29 SS-29 L1957-01 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-30 SS-30 L1957-10 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-31 SS-31 L1957-05 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-32 SS-32 L1957-04 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-33 SS-33 L1957-03 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-34 SS-34 L1957-02 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-35 SS-35 L1957-09 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-36 SS-36 L1957-08 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-37 SS-37 L1957-06 MITKEM L1957 SOIL 9/13/2012 12/13/2012	SS-38 SS-38 L1957-07 MITKEM L1957 SOIL 9/13/2012 12/13/2012
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
75-09-2	METHYLENE CHLORIDE	0.05	mg/Kg	ND	ND	ND	ND	ND	ND	0.0025 J	0.0027 J	0.0058 UJ	ND
	SEMIVOLATILES												
99-09-2	3-NITROANILINE	NS	mg/Kg	0.17 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
83-32-9	ACENAPHTHENE	20	mg/Kg	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND
208-96-8	ACENAPHTHYLENE	100	mg/Kg	ND	ND	ND	0.081 J	ND	ND	0.078 J	0.16 J	0.17 J	ND
120-12-7	ANTHRACENE	100	mg/Kg	ND	ND	ND	0.072 J	ND	ND	0.47	0.19 J	0.19 J	ND
56-55-3	BENZO(A)ANTHRACENE	1	mg/Kg	ND	ND	ND	0.19 J	ND	ND	1.6	0.57	0.5	ND
50-32-8	BENZO(A)PYRENE	1	mg/Kg	ND	ND	ND	0.2 J	ND	ND	1.6	0.44	0.43	ND
205-99-2	BENZO(B)FLUORANTHENE	1	mg/Kg	ND	ND	ND	0.35	ND	ND	1.9	0.77	0.64	0.095 J
191-24-2	BENZO(G,H,I)PERYLENE	100	mg/Kg	ND	ND	ND	0.16 J	ND	ND	1.1	0.32 J	0.28 J	ND
207-08-9	BENZO(K)FLUORANTHENE	0.8	mg/Kg	ND	ND	ND	0.15 J	ND	ND	1.1	0.34 J	0.34 J	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	mg/Kg	ND	ND	ND	0.085 J	ND	ND	ND	ND	ND	ND
86-74-8	CARBAZOLE	NS	mg/Kg	ND	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND
218-01-9	CHRYSENE	1	mg/Kg	ND	ND	ND	0.29 J	ND	ND	1.5	0.58	0.61	0.076 J
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	mg/Kg	ND	ND	ND	ND	ND	ND	0.27 J	0.082 J	0.085 J	ND
132-64-9	DIBENZOFURAN	NS	mg/Kg	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND
206-44-0	FLUORANTHENE	100	mg/Kg	ND	ND	ND	0.28 J	ND	ND	2.2	0.59	0.67	ND
86-73-7	FLUORENE	30	mg/Kg	ND	ND	ND	ND	ND	ND	0.15 J	ND	ND	ND
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	mg/Kg	ND	ND	ND	0.15 J	ND	ND	1	0.29 J	0.28 J	ND
85-01-8	PHENANTHRENE	100	mg/Kg	ND	ND	ND	ND	ND	ND	1.4	0.12 J	0.28 J	ND
129-00-0	PYRENE	100	mg/Kg	ND	ND	ND	0.25 J	ND	ND	1.8	0.58	0.6	0.071 J
	PESTICIDES												
319-85-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.036	mg/Kg	ND	ND	0.0027 JN	ND	ND	ND	ND	ND	ND	ND
5103-74-2	BETA-CHLORDANE	NS	mg/Kg	ND	ND	ND	0.0021 JN	ND	ND	ND	0.0051 JN	0.0031 JN	ND
1024-57-3	HEPTACHLOR EPOXIDE	NS	mg/Kg	ND	ND	0.0028	ND	ND	ND	ND	ND	ND	ND
50-29-3	P,P'-DDT	0.0033	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	0.0059	ND
	PCBs												
11097-69-1	PCB-1254 (AROCLOR 1254)	0.1	mg/Kg	ND	ND	ND	0.03 J	0.026 J	ND	ND	ND	0.075	0.036 J
11096-82-5	PCB-1260 (AROCLOR 1260)	0.1	mg/Kg	ND	ND	ND	0.034 J	ND	ND	0.065	ND	0.051 J	0.044
	INORGANICS												
7429-90-5	ALUMINUM	NS	mg/Kg	4480	9920	3030	3080	2750	4590	3120	3160	3100	3150
7440-36-0	ANTIMONY	NS	mg/Kg	ND	ND	0.48 J	ND	0.54 J	0.41 J	0.63 J	0.59 J	ND	0.34 J
7440-38-2	ARSENIC	13	mg/Kg	3.2	8.9	3.1	3	4.9	2.7	3	3.3	3.7	2.7
7440-39-3	BARIUM	350	mg/Kg	153	531	103	160	111	238	155	157	147	139
7440-41-7	BERYLLIUM	7.2	mg/Kg	ND	0.33	0.018 J	ND	ND	ND	ND	ND	0.011 J	ND
7440-43-9	CADMIUM	2.5	mg/Kg	1.4	0.83	1.7	1.5	1.2	1	1.7	1.7	1	1.4
7440-70-2	CALCIUM	NS	mg/Kg	451	5180	ND	ND	ND	ND	ND	ND	ND	ND
16065-83-1	CHROMIUM III	30	mg/Kg	9.9	6.5	10	12	14	9.9	14	13	12	13
7440-47-3	CHROMIUM, TOTAL	NS	mg/Kg	9.9	6.5	10.5	12.2	14.3	9.9	13.8	12.6	12.2	13.5
7440-48-4	COBALT	NS	mg/Kg	22.2	37.6	22.1	21.3	21	20.6	20.7	22.3	20.1	21.9
7440-50-8	COPPER	50	mg/Kg	209	136	55.6	57.1	66.4	142	65.9	67.3	67.6	68.7
7439-89-6	IRON	NS	mg/Kg	69300	57900	78200	83800	74300	71000	77300	81100	65900	71000
7439-92-1	LEAD	63	mg/Kg	4.5	10.6	7.1	22	5.5	7.7	20.5	22.4	19.4	7.1
7439-95-4	MAGNESIUM	NS	mg/Kg	1510	4060	586	671	479	1690	603	678	661	731
7439-96-5	MANGANESE	1600	mg/Kg	264	699	383	378	413	280	372	410	379	367
7439-97-6	MERCURY	0.18	mg/Kg	0.3	0.0056 J	0.021 J	0.014 J	0.02 J	0.047	0.021 J	0.021 J	0.011 J	0.011 J
7440-02-0	NICKEL	30	mg/Kg	22.3	33.4	20.9	24.1	27.5	17.5	24.8	24.4	22.3	21.7
7440-09-7	POTASSIUM	NS	mg/Kg	878	2230	350	411	427	941	437	410	453	457
7782-49-2	SELENIUM	3.9	mg/Kg	2.2	2.4	ND	ND	0.73 J	2.3	ND	ND	1.8	ND
7440-22-4	SILVER	2	mg/Kg	1.3	ND	ND	ND	ND	0.57 J	ND	0.81 J	ND	ND
7440-23-5	SODIUM	NS	mg/Kg	15.6 J	148	22.1 J	20.6 J	24.4 J	14.9 J	25.8 J	20.6 J	27.4 J	21 J
7440-28-0	THALLIUM	NS	mg/Kg	ND	0.39 J	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	VANADIUM	NS	mg/Kg	52.6	46.2	82.2	78.7	69.5	54	76.2	78.3	65.6	70
7440-66-6	ZINC	109	mg/Kg	21.9	77.6	52.4	51.5	49.3	29.7	54.7	53.4	52.1	44.1
	OTHER												
MOIST	MOISTURE, PERCENT	NS	%	6.7 J	8.7 J	9.9 J	7.4 J	11	8.5 J	8.1 J	7.5 J	7.6 J	5.6 J
SOLID	SOLIDS, PERCENT	NS	%	84.8	90.6	84.9	84.9	88.2	88	90.4	88.2	88.1	90.7

ND - Not Detected
NS - No Standard
J - Estimated Result
JN - Estimated Presumptive Result

TABLE 16
FORMER J AND L STEEL SITE
SUPPLEMENTAL INVESTIGATION RESULTS

NYSDEC-J&L Steel Site 2013 Site Investigation Validated Sediment and Product Sample Data Detected Compound Summary		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	GWS-01 GWS-01 M1717-01 MITKEM M1717 SEDIMENT 9/10/2013 13:00 12/5/2013	GWS-02 GWS-02 M1717-02 MITKEM M1717 SEDIMENT 9/10/2013 13:20 12/5/2013	GWS-03 GWS-03 M1717-03 MITKEM M1717 SEDIMENT 9/10/2013 13:30 12/5/2013	GWS-04 GWS-04 M1717-04 MITKEM M1717 SEDIMENT 9/10/2013 13:45 12/5/2013	DUP of GWS-04 GWS-04 FIELD DUP M1717-05 MITKEM M1717 SEDIMENT 9/10/2013 0:00 12/5/2013	MW-02A[1] MW6 M1716-01 MITKEM M1716 PRODUCT 9/11/2013 12:00 12/5/2013
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
120-82-1	1,2,4-TRICHLOROBENZENE	ug/Kg	ND	ND	ND	ND	ND	13000 J
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/Kg	ND	ND	ND	ND	ND	8300 J
67-64-1	ACETONE	ug/Kg	210 J	140 J	390 J	53	140 J	ND
75-15-0	CARBON DISULFIDE	ug/Kg	ND	7.4 J	ND	ND	ND	ND
99-87-6	CYMENE (4-ISOPROPYLTOLUENE)	ug/Kg	4.2 J	ND	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/Kg	ND	6.5 J	ND	ND	8.2 J	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/Kg	50 J	48 J	99 J	17 J	44 J	ND
75-09-2	METHYLENE CHLORIDE	ug/Kg	4.9 J	ND	13 J	10 J	11 J	ND
91-20-3	NAPHTHALENE	ug/Kg	ND	ND	ND	ND	ND	19000 J
135-98-8	SEC-BUTYLBENZENE	ug/Kg	27 J	350 J	ND	ND	73 J	ND
98-06-6	T-BUTYLBENZENE	ug/Kg	13 J	76 J	11 J	ND	21 J	ND
	PCBs							
	None Detected		ND	ND	ND	ND	ND	ND
	OTHER							
TFH	Hydrocarbon	mg/Kg	5100	10000	760	63	7800	810000
MOIST	MOISTURE, PERCENT	%	71	72	86	26	69	
	Fuel Identification		Diesel Fuel/#2 Fuel Oil	Diesel Fuel/#2 Fuel Oil	Diesel Fuel/#2 Fuel Oil	Diesel Fuel/#2 Fuel Oil	Diesel Fuel/#2 Fuel Oil	Diesel Fuel/#2 Fuel Oil

ND - Not Detected
J - Estimated Result
1. Sample ID indicates MW-6, but actual sample location was MW-02A.

FIGURES

LEGEND:

1 – GATE HOUSE
2 – CHANGE HOUSE
3 – LABORATORY
4 – STORAGE
5 – OIL STORAGE
6 – PAINT STORAGE
7 – WAREHOUSE
8 – OFFICE
9 – THAW SHED
10 – ELECTRICAL SHOP
12 – MACHINE SHOP
18 – PUMP HOUSE
20 – SWITCH GEAR HOUSE
22 – SINTER PLANT
23 – SCALE HOUSE
32 – BUILDING ON BENSON MINES SITE

PROPERTY LINE

WATER

J&L SITE BOUNDARY

300 150 0 300 600

SCALE: 1"=300'

FIGURE 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

BUILDING IDENTIFICATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415-RPT-001.DWG
PLOT DATE 7/17/2013 - PLOTTED BY RUSSO, JILL

LEGEND:

18 BUILDING NUMBER

SAMPLE LOCATION

J20-IB-1
8,950

SAMPLE ID
LEAD RESULTS (mg/Kg)

PROPERTY LINE

WATER

J&L SITE BOUNDARY

NOTES:
LEAD RESULTS IN mg/kg

J10-IW-1
314

J18-IG-1
1,660

J20-IW-1
948

J20-IB-1
8,950

J12-IW-1
22,200

J12-DB-1
23,800

J6-EB-1
885

J2-DB-1
29,500

J2-IB-1
24,100

J1-IW-1
18,000

J2-EB-1
551

J3-EB-1
523

J9-DB-1
36,700

J7-IW-1
2,250

J7-DB-1
33,100

J5-IB-1
15,200

J5-EB-1
468

300 150 0 300 600

SCALE: 1"=300'

FIGURE 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

LEAD IN PAINT SAMPLE RESULTS PER BUILDING

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\REPORT\447415-RPT-002.DWG
PLOT DATE 7/15/2013 - PLOTTED BY RUSSO, JILL

LEGEND:

18 BUILDING NUMBER

SAMPLE LOCATION

WCK – WINDOW CAULK
WGL – WINDOW GLAZING
DCK – DOOR CAULK

J20–WLS–7
900
SAMPLE ID
PCB RESULTS (mg/Kg)
SHADED FOR EXCEEDANCES

PROPERTY LINE

WATER

J&L SITE BOUNDARY

NOTES:
1. RESULTS IN mg/kg

2. SHADED FOR EXCEEDNACES FOR EPA HAZARDOUS WASTE DESIGNATION OF 50 MG/KG

200 100 0 200 400

SCALE: 1"=200'

FIGURE 3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

TOTAL PCBs IN BUILDING MATERIALS PER BUILDING

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315–451–9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415–RPT–003.DWG
PLOT DATE 7/15/2013 – PLOTTED BY: RUSSO, JILL

LEGEND:

18 BUILDING NUMBER

SAMPLE LOCATION

J&L SITE BOUNDARY

JDP-1-1
26.6% (NF)
80.2

SAMPLE ID
ASBESTOS CONTENT IN % CHRYSOTILE (FRIABILITY)
LEAD mg/kg

(F) FRIABLE
(NF) NON-FRIABLE

JDP-1-1/JDP-L1
26.6% (NF)
80.2

JDP-2-1/JDP-L2
37.3% (F)
733

JDP-3-1/JDP-L3
27.0% (NF)
884

JDP-4-1
36.8% (NF)
NOT SAMPLED

J10-SC-8-1
ND (NA)
NOT SAMPLED

J10-SC-9-1
57.1% (NF)
NOT SAMPLED

JDP-5-1/JDP/L4
58.0% (NF)
NOT SAMPLED

300 150 0 300 600

SCALE: 1"=300'

FIGURE 4

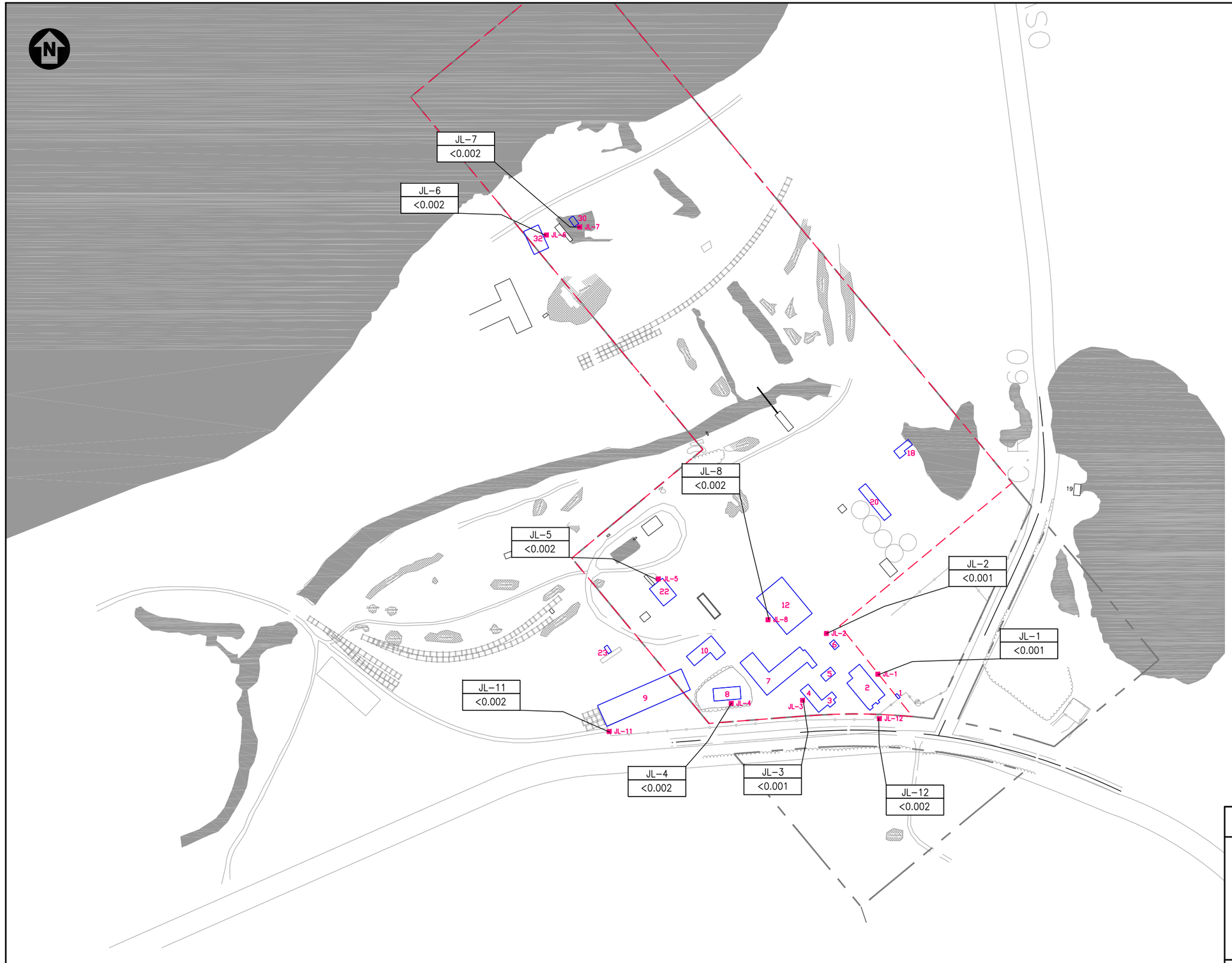
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

SAMPLE RESULTS FOR ASBESTOS AND LEAD IN DEBRIS PILES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\REPORT\447415-RPT-016.DWG
PLOT DATE 7/09/2013 - PLOTTED BY RUSSO, JILL



LEGEND:

18 BUILDING NUMBER

■ SAMPLE LOCATION

JL-1 / <0.001 SAMPLE ID AIR SAMPLE (f/cc)

J&L SITE BOUNDARY

300 150 0 300 600

SCALE: 1"=300'

FIGURE 5

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

AIR MONITORING LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\REPORT\447415-RPT-005.DWG
PLOT DATE 7/15/2013 PLOTTED BY RUSSO, JILL

LEGEND:

1 – GATE HOUSE
2 – CHANGE HOUSE
3 – LABORATORY
4 – STORAGE
5 – OIL STORAGE
6 – PAINT STORAGE
7 – WAREHOUSE
8 – OFFICE
9 – THAW SHED
10 – ELECTRICAL SHOP
12 – MACHINE SHOP
18 – PUMP HOUSE
20 – SWITCH GEAR HOUSE
22 – SINTER PLANT
23 – SCALE HOUSE
32 – BUILDING ON BENSON MINES SITE

OVERBURDEN WELL LOCATION (INSTALLED IN 2012)

BEDROCK WELL LOCATION (INSTALLED IN 2012)

HISTORIC MONITORING LOCATIONS

J&L SITE BOUNDARY

300 150 0 300 600

SCALE: 1"=300'

FIGURE 6

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

WELL LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415-RPT-006.DWG
PLOT DATE 7/15/2013 PLOTTED BY RUSSO, JILL

LEGEND:

PETROLEUM THICKNESS (IN FEET)
8-29-2012

- 0.25-0.5
- 0.5-1
- 1-1.5
- 1.5-2
- 2-2.5
- 2.5-3
- 3-3.5

WELLS SHOWING PETROLEUM PRODUCT IN 2012

J&L SITE BOUNDARY

MW-5
MW-29
MW-15
MW-2A
MW-56
MW-S3
MW-S2
MW-3
MW-23
MW-14
MW-17

FORMER LOCATION OF OIL STORAGE TANKS

Now or Formerly Benson Mines, Inc. (Liber 951 Page 1086)

Former New York Central Railroad

Little River (Water Elev.=+/-1398.2')

NEW YORK STATE ROUTE 3

150 0 150 300

SCALE: 1"=150'

FIGURE 7

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

PRODUCT THICKNESS CONTOUR MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\REPORT\447415-RPT-007.DWG
PLOT DATE 7/15/2013 - PLOTTED BY RUSSO, III

VOLATILES	
ACETONE	5 R
METHYL ETHYL KETONE (2-BUTANONE)	5 R
SEMIVOLATILES	
DI-N-BUTYL PHTHALATE	ND
METALS, TOTAL	
ALUMINUM	92.6 J
ARSENIC	ND
BARIUM	21.3 J
CALCIUM	30100
CHROMIUM, TOTAL	1 J
COBALT	33.4 J
COPPER	6.5 J
IRON	3940
MAGNESIUM	6020
MANGANESE	1990
NICKEL	15.7 J
POTASSIUM	1290
SODIUM	13300
ZINC	19.7 J
METALS, DISSOLVED	
BARIUM	20.8 J
CALCIUM	31000
COBALT	32.2 J
COPPER	3.8 J
IRON	301
MAGNESIUM	6030
MANGANESE	2000
NICKEL	14.8 J
POTASSIUM	1390
SODIUM	13500
ZINC	15.3 J

VOLATILES	
ACETONE	5 R
METHYLETHYL KETONE (2-BUTANONE)	5 R
SEMIVOLATILES	
DI-N-BUTYL PHTHALATE	ND
METALS, TOTAL	
ALUMINUM	80.6 J
ARSENIC	4.8 J
BARIUM	20.4 J
CALCIUM	29100
CHROMIUM, TOTAL	0.82 J
COBALT	29.4 J
COPPER	5.6 J
IRON	2990
MAGNESIUM	5890
MANGANESE	1880
NICKEL	13.8 J
POTASSIUM	1350
SODIUM	13200
ZINC	15.9 J
METALS, DISSOLVED	
BARIUM	19.5 J
CALCIUM	29300
COBALT	27.8 J
COPPER	ND
IRON	321
MAGNESIUM	5680
MANGANESE	1840
NICKEL	13 J
POTASSIUM	1290
SODIUM	13200
ZINC	12.8 J

VOLATILES	
ACETONE	5 R
METHYL ETHYL KETONE (2-BUTANONE)	5 R
SEMIVOLATILES	
DI-N-BUTYL PHTHALATE	ND
METALS, TOTAL	
ALUMINUM	75.6 J
ARSENIC	ND
BARIUM	19.5 J
CALCIUM	27500
CHROMIUM, TOTAL	0.66 J
COBALT	26.6 J
COPPER	5.6 J
IRON	2900
MAGNESIUM	5490
MANGANESE	1720
NICKEL	12.2 J
POTASSIUM	1310
SODIUM	12700
ZINC	14.8 J
METALS, DISSOLVED	
BARIUM	19.9 J
CALCIUM	30000
COBALT	26.6 J
COPPER	4.3 J
IRON	628
MAGNESIUM	5830
MANGANESE	1790
NICKEL	12.5 J
POTASSIUM	1340
SODIUM	13200
ZINC	12.4 J

VOLATILES	
ACETONE	5 R
METHYL ETHYL KETONE (2-BUTANONE)	5 R
SEMIVOLATILES	
DI-N-BUTYL PHTHALATE	ND
METALS, TOTAL	
ALUMINUM	83.2 J
ARSENIC	ND
BARIUM	19.4 J
CALCIUM	26900
CHROMIUM, TOTAL	ND
COBALT	24.8 J
COPPER	6.3 J
IRON	2950
MAGNESIUM	5330
MANGANESE	1600
NICKEL	11.5 J
POTASSIUM	1250
SODIUM	12200
ZINC	15.7 J
METALS, DISSOLVED	
BARIUM	18.7 J
CALCIUM	27700
COBALT	23.9 J
COPPER	4.3 J
IRON	473
MAGNESIUM	5380
MANGANESE	1600
NICKEL	10.7 J
POTASSIUM	1350
SODIUM	12400
ZINC	11.7 J

VOLATILES		
ACETONE	5	R
METHYL ETHYL KETONE (2-BUTANONE)	5	R
SEMIVOLATILES		
DI-N-BUTYL PHTHALATE	2.5	J
METALS, TOTAL		
ALUMINUM	88.2	J
ARSENIC	ND	
BARIUM	17.5	J
CALCIUM	26600	
CHROMIUM, TOTAL	0.65	J
COBALT	27.1	J
COPPER	6.1	J
IRON	3000	
MAGNESIUM	5390	
MANGANESE	1740	
NICKEL	12.7	J
POTASSIUM	1420	
SODIUM	14100	
ZINC	16.8	J
METALS, DISSOLVED		
BARIUM	18.2	J
CALCIUM	27600	
COBALT	26.7	J
COPPER	5.2	J
IRON	881	
MAGNESIUM	5500	
MANGANESE	1770	
NICKEL	12.5	J
POTASSIUM	1240	
SODIUM	14300	
ZINC	15	J

LEGEND:

18 BUILDING NUMBER

SAMPLE LOCATION

J&L SITE BOUNDARY

RESULTS (ug/L)
SHADED FOR EXCEEDANCES

(NON-DETECTS NOT SHOWN)

J- ESTIMATED RESULT

R- REJECTED RESULT

ND- NOT DETECTED

NOTES:
RESULTS IN ug/L

300 150 0 300 600

SCALE: 1"=300'

FIGURE 8

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

SURFACE WATER SAMPLE LOCATIONS AND RESULTS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\REPORT\447415-RPT-008.DWG
PLOT DATE 7/15/2013 PLOTTED BY RUSSO, JILL

STA-04		
VOLATILES		
1,1,1-TRICHLOROETHANE	11	J
1,1-DICHLOROETHANE	26	J
1,1-DICHLOROETHENE	5.4	J
1,2-DICHLOROBENZENE	29	
METHYLENE CHLORIDE	ND	
T-BUTYLBENZENE	ND	
SEMIVOLATILES		
BIS(2-ETHYLHEXYL) PHTHALATE	440	J
DI-N-BUTYL PHTHALATE	340	J
PESTICIDES		
ENDRIN KETONE	35	
HEPTACHLOR EPOXIDE	ND	
METALS		
ALUMINUM	18200	
ANTIMONY	ND	
ARSENIC	45	
BARIUM	365	
BERYLLIUM	1.9	
CADMIUM	ND	
CALCIUM	1100	
CHROMIUM, TOTAL	35.7	
COBALT	1240	
COPPER	221	
IRON	160000	
LEAD	26.4	
MAGNESIUM	2570	
MANGANESE	882	
MERCURY	0.044	J
NICKEL	940	
POTASSIUM	1620	
SELENIUM	9.7	
SODIUM	479	
THALLIUM	2.7	J
VANADIUM	107	
ZINC	1930	

STA-03		
VOLATILES		
1,1,1-TRICHLOROETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
1,2-DICHLOROBENZENE	ND	
METHYLENE CHLORIDE	ND	
T-BUTYLBENZENE	ND	
SEMIVOLATILES		
BIS(2-ETHYLHEXYL) PHTHALATE	ND	
DI-N-BUTYL PHTHALATE	ND	
PESTICIDES		
ENDRIN KETONE	ND	
HEPTACHLOR EPOXIDE	4.4	J
METALS		
ALUMINUM	4450	J
ANTIMONY	2.6	J
ARSENIC	ND	
BARIUM	180	J
BERYLLIUM	0.77	J
CADMIUM	ND	
CALCIUM	2520	J
CHROMIUM, TOTAL	10.8	J
COBALT	56.8	J
COPPER	81.7	J
IRON	102000	J
LEAD	4.9	J
MAGNESIUM	1430	J
MANGANESE	864	J
MERCURY	0.0067	J
NICKEL	28.6	J
POTASSIUM	800	J
SELENIUM	ND	
SODIUM	49.4	J
THALLIUM	ND	
VANADIUM	70.3	J
ZINC	78.7	J

STA-02		
VOLATILES		
1,1,1-TRICHLOROETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
1,2-DICHLOROBENZENE	ND	
METHYLENE CHLORIDE	ND	
T-BUTYLBENZENE	ND	
SEMIVOLATILES		
BIS(2-ETHYLHEXYL) PHTHALATE	ND	
DI-N-BUTYL PHTHALATE	ND	
PESTICIDES		
ENDRIN KETONE	ND	
HEPTACHLOR EPOXIDE	ND	
METALS		
ALUMINUM	2160	
ANTIMONY	ND	
ARSENIC	3.8	
BARIUM	65.6	
BERYLLIUM	0.71	
CADMIUM	ND	
CALCIUM	1790	J
CHROMIUM, TOTAL	3.3	
COBALT	79.9	
COPPER	64.5	
IRON	33700	
LEAD	4.1	J
MAGNESIUM	472	
MANGANESE	205	
MERCURY	0.0059	J
NICKEL	23.8	
POTASSIUM	233	
SELENIUM	ND	
SODIUM	22.5	J
THALLIUM	ND	
VANADIUM	21.9	
ZINC	79.7	

STA-01		
VOLATILES		
1,1,1-TRICHLOROETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
1,2-DICHLOROBENZENE	ND	
METHYLENE CHLORIDE	ND	
T-BUTYLBENZENE	ND	
SEMIVOLATILES		
BIS(2-ETHYLHEXYL) PHTHALATE	ND	
DI-N-BUTYL PHTHALATE	ND	
PESTICIDES		
ENDRIN KETONE	ND	
HEPTACHLOR EPOXIDE	ND	
METALS		
ALUMINUM	4310	
ANTIMONY	1.6	
ARSENIC	ND	
BARIUM	199	
BERYLLIUM	0.53	
CADMIUM	0.37	
CALCIUM	1990	J
CHROMIUM, TOTAL	12.3	
COBALT	32.3	
COPPER	103	
IRON	79200	
LEAD	6.2	J
MAGNESIUM	1190	
MANGANESE	406	
MERCURY	0.0083	J
NICKEL	32.9	
POTASSIUM	706	
SELENIUM	ND	
SODIUM	72.2	
THALLIUM	ND	
VANADIUM	84.4	
ZINC	88.3	

STA-05			DUP	
VOLATILES				
1,1,1-TRICHLOROETHANE	ND		ND	
1,1-DICHLOROETHANE	ND		ND	
1,1-DICHLOROETHENE	ND		ND	
1,2-DICHLOROBENZENE	ND		ND	
METHYLENE CHLORIDE	19	J	33	J
T-BUTYLBENZENE	ND		6.6	J
SEMIVOLATILES				
BIS(2-ETHYLHEXYL) PHTHALATE	ND		ND	
DI-N-BUTYL PHTHALATE	ND		ND	
PESTICIDES				
ENDRIN KETONE	ND		ND	
HEPTACHLOR EPOXIDE	ND		ND	
METALS				
ALUMINUM	1430		2620	
ANTIMONY	ND		ND	
ARSENIC	ND		ND	
BARIUM	73.7		82.3	
BERYLLIUM	0.11	J	0.13	J
CADMIUM	2		1.7	
CALCIUM	ND		ND	
CHROMIUM, TOTAL	2.1		4.4	
COBALT	38.6		68.3	
COPPER	53	J	743	J
IRON	136000		128000	
LEAD	1.6		2	
MAGNESIUM	446		793	
MANGANESE	884		1150	
MERCURY	0.0072	J	0.0051	J
NICKEL	12.2		24.8	
POTASSIUM	234		235	
SELENIUM	ND		ND	
SODIUM	118		87.5	
THALLIUM	ND		ND	
VANADIUM	15.1		36	
ZINC	45.2		52.3	

LEGEND:

18 BUILDING NUMBER

STA-1 SAMPLE LOCATION

J&L SITE BOUNDARY

RESULTS (ug/L)
SHADED FOR EXCEEDANCES

(NON-DETECTS NOT SHOWN)

J- ESTIMATED RESULT

R- REJECTED RESULT

ND- NOT DETECTED

300 150 0 300 600

SCALE: 1"=300'

FIGURE 9

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

SEDIMENT SAMPLE LOCATIONS AND RESULTS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\REPORT\447415-RPT-009.DWG
PLOT DATE 7/15/2013 PLOTTED BY RUSSO, JILL

LEGEND:

18 BUILDING NUMBER

SURFACE SOIL SAMPLES (Hg, METALS & PCBs)
(SAMPLES COLLECTED UP TO 6" BELOW GROUND SURFACE)

SURFACE SOIL SAMPLES (PART 375) "Bull Ditch Area"
(SAMPLES COLLECTED UP TO 6" BELOW GROUND SURFACE)

SURFACE SOIL SAMPLES (LEAD & ASBESTOS)
(SAMPLES COLLECTED UP TO 6" BELOW GROUND SURFACE)

2015 SUPPLEMENTAL SURFACE SOIL SAMPLE (PART 375)
(SAMPLES COLLECTED UP TO 1' BELOW GROUND SURFACE)

MONITORING WELL SURFACE SOIL SAMPLES (PART 375)
(SAMPLES COLLECTED UP TO 6" BELOW GROUND SURFACE)

J&L SITE BOUNDARY

300 150 0 300 600

SCALE: 1"=300'

FIGURE 10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

SURFACE SOIL SAMPLE LOCATIONS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\FIGURES\2015\447415-SK008.DWG
PLOT DATE 2/4/2016 PLOTTED BY RUSSO III

SS-11
50.1
1.5%

SS-12
110
ND

SS-13
61.1
ND

SS-90
17.1
ND

SS-91
184 J
ND

SS-80
157
ND

SS-77
86.8
ND

SS-76
10.9
ND

SS-84
28.1
ND

SS-81
25.6
ND

SS-85
30
ND

SS-86
30.2
ND

SS-87
6.2
ND

SS-88
132
ND

SS-89
42.8
ND

SS-63
26.3
ND

SS-64
1400
ND

SS-62
22.1
ND

SS-61
294
ND

SS-65
29.6
ND

SS-66
47.5
ND

SS-67
24.4
ND

SS-68
10
ND

SS-69
505 J
ND

SS-70
27.7
ND

SS-71
26
ND

SS-72
61.3
ND

SS-73
18.6
ND

SS-74
87
ND

SS-75
97.5
ND

SS-78
3.4
ND

SS-79
245
ND

SS-83
1270
ND

SS-82
135
<1%

LEGEND:

18 — BUILDING NUMBER

■ — SAMPLE LOCATION

– – – – – J&L SITE BOUNDARY

SS-11
50
1.5%

SAMPLE ID
LEAD RESULTS (mg/Kg)
ASBESTOS % CHRYSOTILE

SHADED FOR EXCEEDANCES

ND–NON–DETECT

NOTES:
RESULTS IN mg/kg

6 NYCRR PART 375 SOIL CLEANUP OBJECTIVE FOR LEAD UNRESTRICTED USE SOIL IS 63 ppm

300 150 0 300 600

SCALE: 1"=300'

FIGURE 11

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

SAMPLE RESULTS FOR ASBESTOS AND LEAD IN SURFACE SOIL

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415-RPT-010.DWG
PLOT DATE 7/15/2013 PLOTTED BY RUSSO, JILL

LEGEND:

12 – MACHINE SHOP
18 – PUMP HOUSE
20 – SWITCH GEAR HOUSE
22 – SINTER PLANT

Large Diameter River Culverts
Debris
Dock
Stockpile
Access Road
Concrete Pit
Debris
Concrete Pit
3–24" CMP'S Top of Pipe Elev. = 1429.6 (Inv. full)
Concrete Retaining Wall
18
Little (Water E
8" Pipe Foundations
Inv. Elev. 36" RCP 1408.6
Remediation Trailer
Pile
Stockpile
115'
Concrete Pit
Debris
Concrete Foundations & Debris
20
Concrete Silos – Partially Demolished
3' Dia. Pipe
Concrete Pit
Slab
Building Remains
Concrete Foundations & Debris
Remediation Trailer
22
Concrete Silos (Partially Demolished)
Concrete & Debris
Concrete Pit
Concrete Hopper
APPROXIMATE LOCATION OF VAULT
12
Building Foundation (Concrete & Slab)
Building Foundation (Concrete & Slab)
Remediation Building
Loading Dock
Asphalt Pavement
St. Lawrence
Department of
Newton Falls
(Map No. 1–R–1,

80 40 0 80 160

SCALE: 1"=80'

FIGURE 12

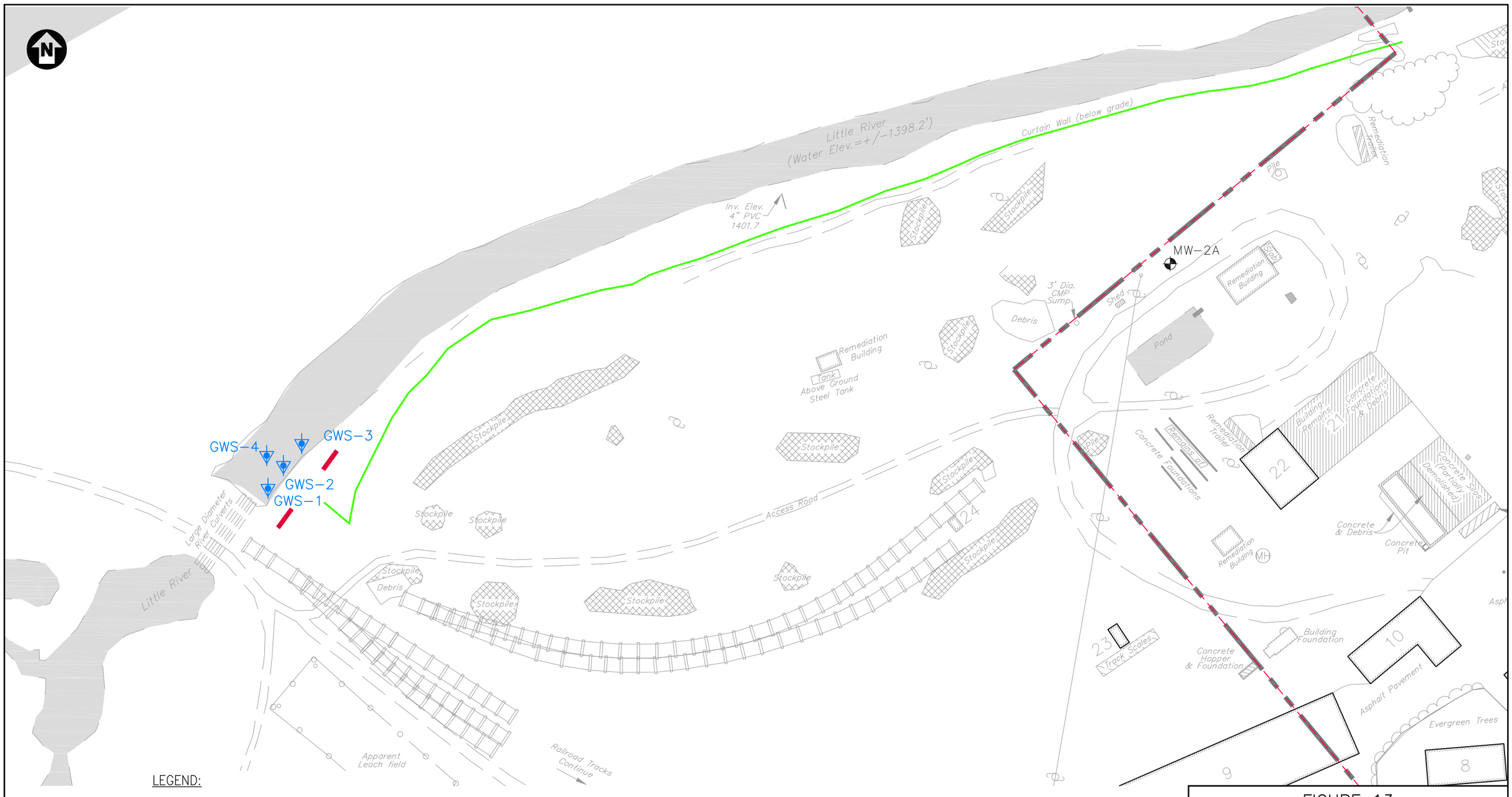
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

MAP OF TRACED PIPES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315–451–9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415–RPT–015.DWG
PLOT DATE 7/15/2017 PLOTTED BY RUSSO, JILL



LEGEND:

- GWS-1 — SEDIMENT SAMPLE LOCATION
- TEST PIT TRENCH LOCATION
- MW-2A — PRODUCT SAMPLE LOCATION
- CURTAIN WALL (BELOW GRADE)
- J&L SITE BOUNDARY

100 50 0 100 200

SCALE: 1"=100'

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415-RPT-013A.DWG
PLOT DATE:3/21/2014 PLOTTED BY: RUSSO, JILL

FIGURE 13

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

SUPPLEMENTAL INVESTIGATION SAMPLE LOCATIONS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

PSS-03	
VOCs	
ACETONE	0.088
METALS	
COPPER	121

PSS-02	
VOCs	
ACETONE	0.058
METALS	
BARIUM	363
COPPER	121

PSS-01	
PESTICIDES	
P,P'-DDT	0.0052
METALS	
COPPER	71.2

PSS-05	
PESTICIDE	
P,P'-DDT	0.0038
METALS	
BARIUM	396
COPPER	19.9
NICKEL	42.9

PSS-04	
METALS	
BARIUM	365
COPPER	155
LEAD	101
ZINC	167

PSS-06	
METALS	
COPPER	63.3

PSS-09	
METALS	
CADMIUM	3

PSS-08	
VOCs	
ACETONE	0.055

PSS-16	
SVOCs	
BENZO(A)ANTHRACENE	5.9
BENZO(A)PYRENE	6.2
BENZO(B)FLUORANTHENE	7
CHRYSENE	5.8
DIBENZ(A,H)ANTHRACENE	1
INDENO(1,2,3-C,D)PYRENE	5.3
PESTICIDES	
P,P'-DDT	0.0061
METALS	
COPPER	57.7

PSS-15	
METALS	
COPPER	76.2

PSS-14	
VOCs	
ACETONE	0.092
SVOCs	
BENZO(K)FLUORANTHENE	0.086

PSS-17	
PESTICIDES	
P,P'-DDT	0.0042
METALS	
COPPER	60.2

PSS-18	
PESTICIDES	
P,P'-DDT	0.0037
METALS	
COPPER	59
MERCURY	0.37

PSS-19	
PESTICIDES	
P,P'-DDT	0.0049
METALS	
COPPER	72.9

BLD-07 (FROM SUMP)	
VOCs	
1,2,4-TRIMETHYLBENZENE	29
CIS-1,2-DICHLOROETHYLENE	1.9
ETHYLBENZENE	1.6
VINYL CHLORIDE	0.47
m,p-XYLENE	73
O-XYLENE	1.1
XYLENES	8.4
SVOCs	
NAPHTHALENE	52
PESTICIDES	
ALPHA BHC	0.038
DIELDRIN	0.026
HEPTACHLOR	0.062
P,P-DDD	0.015
P,P-DDE	0.019
P,P-DDT	.06
PCBs	
AROCLOR 1248	0.97
METALS	
BARIUM	1340
CADMIUM	4.3
COPPER	191
LEAD	460
NICKEL	34.5
ZINC	286

SLAB-06	
PESTICIDES	
P,P'-DDD	0.14
PCBs	
AROCLOR 1248	0.21
METALS	
COPPER	200
NICKEL	51

PSS-25	
PESTICIDES	
P,P'-DDT	0.011
PCBs	
AROCLOR 1254	0.13
METALS	
COPPER	88.5
MERCURY	0.68

PSS-26	
SVOCs	
BENZO(B)FLUORANTHENE	1.1
INDENO(1,2,3-C,D)PYRENE	1.1
PESTICIDES	
DIELDRIN	0.051
P,P'-DDE	0.036
P,P'-DDT	0.11
PCBs	
AROCLOR 1254	0.93
METALS	
LEAD	102
MERCURY	0.28
ZINC	127

PSS-20	
PESTICIDES	
P,P'-DDT	0.0039
METALS	
COPPER	68.9

PSS-22	
METALS	
COPPER	78.1

PSS-23	
METALS	
COPPER	51.8

PSS-24	
METALS	
COPPER	81

LEGEND:

- SURFACE SOIL SAMPLE LOCATIONS
- SUB-SLAB SOIL SAMPLE LOCATIONS
- LOCATION OF PIPE TUNNELS
- TUNNEL LOCATIONS WHERE PRESUMED ASBESTOS PIPE INSULATION WAS OBSERVED
- J&L SITE BOUNDARY

NOTE:

1. ALL RESULTS ARE EXCEEDANCES
2. RESULTS ARE TO BE COMPARED TO NYSDEC 6 NYCRR PART 375 UNRESTRICTED SCOs.
3. ALL SAMPLE RESULTS ARE IN mg/kg
4. SAMPLES PSS-07, PSS-11, PSS-12, PSS-13, AND PSS-21 HAD NO COMPOUND THAT EXCEEDS NYCRR PART 375 UNRESTRICTED CLEANUP OBJECTIVE.

250 0 250 500

SCALE: 1"=250'

FIGURE 14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

2015 SUPPLEMENTAL SITE INVESTIGATION SAMPLE EXCEEDENCES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\FIGURES\2016\447415-SK007-2016.DWG
PLOT DATE: 8/22/2016 5:02 PM PLOTTED BY: RUSSO, JILL

APPENDIX A

STRUCTURAL EVALUATION OF BUILDINGS

STRUCTURAL EVALUATION OF BUILDINGS

FOR

J & L ORE COMPANY

AND

BENSON MINES

TOWN OF CLIFTON, ST. LAWRENCE COUNTY

PREPARED FOR:

NYDEC

PREPARED BY

PARSONS

November 16, 2012

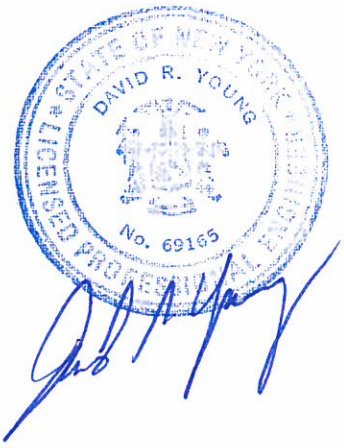


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1.0 INTRODUCTION

2.0 BUILDING HISTORY

3.0 FIELD INVESTIGATION

4.0 BUILDING CONDITION SUMMARY

5.0 CONCLUSION

APPENDIX

1 SITE LOCATION MAP

2 SITE PLANS

3 BUILDING OBSERVATIONS, PHOTOS, AND CONCLUSION

1.0 INTRODUCTION

An evaluation of the structural integrity of the buildings on the J & L Steel Co. site and one building on the Benson Mines site was performed on August 30 and 31, 2012. The site is bounded by State Highway 3, County Route 60 and the Little River. The purpose of the evaluation is to determine whether the buildings can be safely accessed for purposes of building material sampling, and to give some insight on future demolition activities. See Appendix 1 for the site location map.

2.0 BUILDING HISTORY

Most of the buildings on the site were constructed in the early 1940's, making the buildings approximately 70 years old. Since the beginning, there were many alterations and additions making some portions a bit younger. The site was abandoned by J & L Steel Company in 1980. Since then the buildings have been unoccupied, with no maintenance of any kind, numerous vandalizing, and hap hazard salvaging of building materials. All these reasons have added to the building decomposition process by allowing weather into the building interiors. See Appendix 2 for building numbers and their locations on the site.

3.0 FIELD INVESTIGATION

The field investigation consists of visual observations made during the site visit on August 30 and 31, 2012 by Parsons' Richard Budde. Observations were made from the outside of the building from ground level and from a man lift capable of observing the roof. The interior observations were made where possible. Safety concerns in some buildings limited the observations.

Observations were focused on the structural stability of the buildings and safety related aspects for access into the building. The condition of the various parts of the building again was focused on the structural stability and not the aesthetics of the part and included:

- The structural condition of exterior masonry walls included straightness, any cracks that may indicate failure of portions of the wall, and condition of lintels over doors and windows.
- Roof lines, whether the eaves and ridges were straight or sagging.
- Observation of roof deck for sagging and whether access to the roof for material sampling and demolition were possible

- Condition of interior floor and roof structure.
- Any dangerous conditions that present a safety concern.

The structural investigation does not include assessment of any environmental hazards such as asbestos, but does include some observations of materials that may have a possibility of containing asbestos. Physical testing of any materials was not undertaken for structural properties of environmental properties. Environmental testing was performed by other people, and is not part of this investigation. See Appendix 3 for detailed description of observations, photos, and conclusions of the building structural condition.

4.0 BUILDING CONDITION SUMMARY

Buildings in general were similar in construction including:

- Concrete foundations for all buildings
- Formed concrete below grade or basement area for buildings 5, 8, 9, 18, 22, and screen building.
- Masonry exterior walls for all buildings
- Structural steel framing for buildings 2, 4, 5, 7, 8, 9, 10, 12, 22, and 32.
- Wood framing for buildings 2, and 3.
- Wood roof decking on steel framing on buildings 7, and 12.
- Corrugated roof panels (possibly transite) on steel framing on buildings 4, part of 7, 9, 10, part of 12, and 32.
- Corrugated siding panels (possibly transite) on buildings 9 and 22.
- Concrete roof planks on steel framing on buildings 2, 8, part of 9, and 10.
- Cast in place concrete roof on buildings 1, 6, 18, 20, 23, and screen building.
- Concrete floor on steel framing on buildings 5, 18, 22, and screen building.

5.0 CONCLUSION

Building No.	Name	Assessment
1	Gate House	Structurally sound, with no access restrictions
2	Change House	Building stable, no roof access for material testing
3	Laboratory	Building is badly decomposed, collapsed roof decking and roof joists; weak floor deck and floor joists; openings in floor. No roof access and very limited interior access. No loading on floor.
4	Storage	Building stable, with no interior access restrictions. Roof material testing shall be from man lift. Access on roof for demolition after load testing of roof panel, and detailed structural assessment may be permitted.
5	Oil Storage	Building is stable for access to first floor with caution of loose roof material, and access to basement. No roof access allowed.
6	Paint Storage	Building is stable, with no access restrictions to interior and roof.
7	Warehouse	Building is stable with caution under deteriorated areas of the wood roofed area. No interior access restrictions under the corrugated roof paneled area. No access to the wood roof area. Access to the corrugated roof area for demolition after load testing, and detailed structural assessment of roof panel may be permitted.
8	Office	Building is not safe for access to interior or to roof.
9	Thaw Shed	Building is stable and safe for interior access with caution due to dark interior and possibility of missing handrails. Roof material testing shall be from man lift. Access on roof for demolition after load testing, and detailed structural assessment of roof panel may be permitted.
10	Electrical Shop	Building is stable and safe for interior access. Roof material test shall be from man lift. Access on roof for demolition after load testing, and detailed structural assessment of roof panel may be permitted.
12	Machine Shop	Building structural framing is stable with limits on access during wind, rain, and snow events due to missing vertical bracing and potential of wood roof decking collapse. Access to interior restricted under

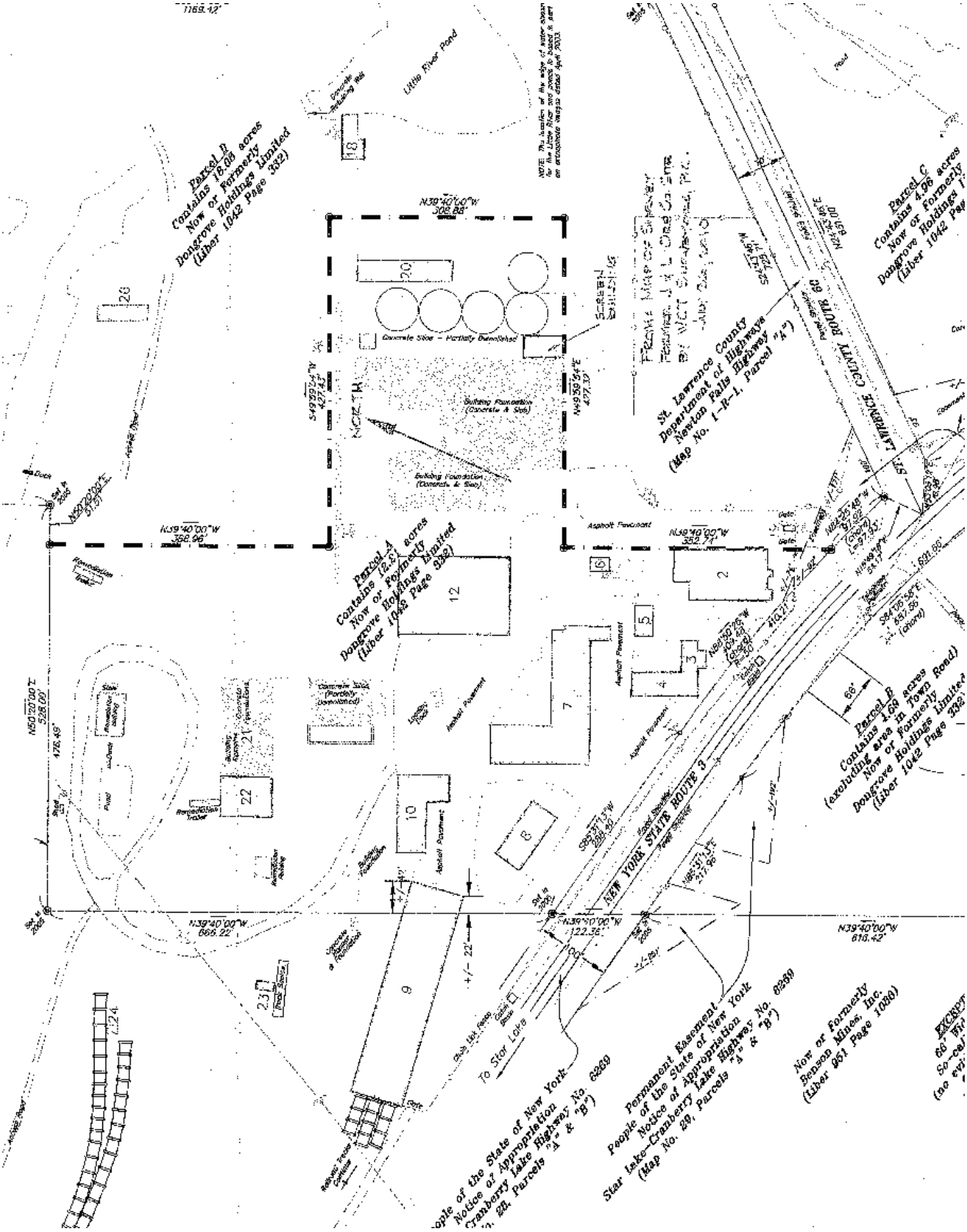
		areas of loose and collapsing wood roof decking. Access to wood roof area is not permitted. Access to corrugated roof area during demolition after load testing, and detailed structural assessment of roof panel may be permitted. In general the building should be categorized as inaccessible
18	Pump House	Building is stable and safe for interior access with caution at the damaged masonry at the entry double door. Access to the roof for demolition is permitted.
20	Switch Gear House	Building is stable and safe for interior access. Access to the roof for demolition is permitted.
22	Sinter Plant	Building is stable and safe for interior access to the 1st and 2nd floors only. The 3rd and 4th floors are not accessible due to the hap hazard demotion of the upper areas. Take caution at the broken out masonry openings for possible falling material. Access to the 3rd and 4th floor during demolition may be possible during demolition after a detailed assessment by a structural engineer and demolition specialist of the area.
23	Scale House	Building is stable and safe for interior access. Access to the roof for demolition is permitted.
32	Building on Benson Mines Site	Building is stable and safe for interior access. Material testing of roofing material should be performed off of man lift. Access to roof during demolition may be permitted after load testing of roof panel and detailed structural assessment.

APPENDIX 1 – SITE LOCATION MAP

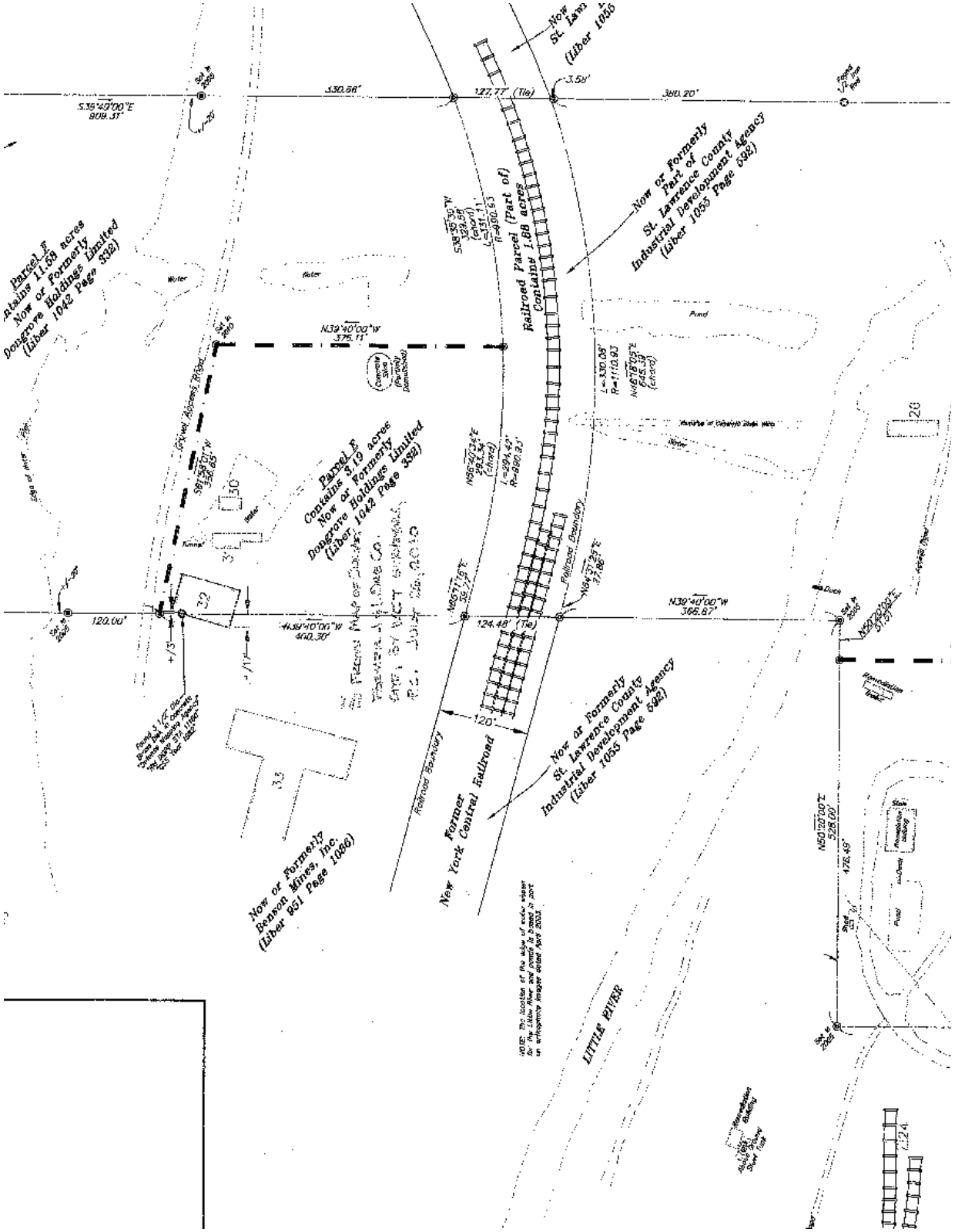


Site Location Map

APPENDIX 2 – SITE PLAN



J & L Ore Company Site Plan



Benson Mines Site Plan

APPENDIX 3 – BUILDING OBSERVATIONS, PHOTOS, AND CONCLUSION

Building 1 - Gatehouse



Bldg 1 Looking south.pdf

Building Height: 1 Story

Type of Construction:

- Structure consists of a steel frame, concrete masonry walls, concrete roof, concrete slab on grade, and windows all around.

Observations:
Structurally the building is in good shape and is structurally sound.

Conclusion:
The building has no access restrictions.

Building 2 – Change House



Bldg 2-1 Looking west.pdf

Building Height: 1 Story with small basement area

Type of Construction:

- Building consists of the main building (building with gable roof) and an addition on the east and north side. A basement area under the south end was not accessible due to flooding of the basement.
- The main building is constructed of masonry walls, wood framed roof, plywood sheathing, and asphalt roof.
- The addition is constructed of steel framing, masonry walls, concrete panel roof, and built up roof.

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken CMU (concrete masonry units).
- The main building has a gable roof that appears to be straight at the ridge line and without visible areas of deflection.
- The addition on the north end has a large opening in the roof where it meets up with the main building. Steel framing is rusted, but still stable.
- Interior plaster and metal lathing has disintegrated by moisture in many area.

Conclusion:

- Building is stable and accessible for material sampling.
- Material sampling on the roof should be accomplished by use of a man lift. Roof of north addition has a collapsed area of concrete roof deck, therefore roof should not be accessed. Gabled roof of main building appears structurally stable, but there may be areas of soft roof sheathing and should not be accessed. Areas of leaks and rot of sheathing observed at intersection of gable roof of main building.



Bldg 2-2 Looking south.pdf



Bldg 2-3 Garage looking south.pdf



Bldg 2-4 Main room looking north.pdf



Bldg 2-5 Stair to basement.pdf



Bldg 2-6 Roof at north end of office.pdf

Building 3 – Laboratory / Core Storage



Bldg 3-1 Looking west.pdf

Building Height: 1 Story with full basement

Type of Construction:

- The building is constructed of masonry walls, wood framed floor over basement, wood framed roof, wood sheathing, asphalt roof, concrete slab on grade.

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken CMU (concrete masonry units).
- The interior plaster and lathing has disintegrated from moisture and has collapsed onto the floor.
- The floor has buckled in many areas from roof leaks, and there are holes in the sub floor exist at a few areas. Structural integrity of floor joists cannot be inspected, but from above it is believed that joists are not in good condition.
- Stair to basement has collapsed and access to the basement was not possible.
- Roof has holes in large areas and sheathing and roof beams have collapsed.

Conclusion:

- The building has greatly deteriorated since the last inspection of January 12, 2006.
- Access to the interior not permitted. Floor is in poor shape and collapse of the sub floor or the floor joists could occur at any time.

- Material sampling on the roof should be accomplished by use of a man lift. Roof is not accessible and is subject to further collapse.
- Asbestos abatement of the interior of the roof is not possible separate from demolition of the entire building.



Bldg 3-2 South side looking west.pdf



Bldg 3-3 Interior looking west.pdf



Bldg 3-4 Interior looking north.pdf



Bldg 3-5 Interior looking north.pdf



Bldg 3-6 Interior rotten hole in floor.pdf



Bldg 3-7 Stair to basement with step collapsed.pdf



Bldg 3-8 Roof looking east.pdf



Bldg 3-9 Roof looking west.pdf

Building 4 – Rock Core / Document Storage



Bldg 4-1 Looking south.pdf

Building Height: 1 Story

Type of Construction:

- The building is constructed of a steel frame, steel purlins, and steel roof trusses, masonry walls, concrete foundation, concrete slab on grade, and corrugated roof panels with a built up roof.

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken CMU (concrete masonry units).
- Access to the interior was not possible due to blocked door on west side, inaccessible stair from building 3, and opening on north side filled in with masonry.
- The masonry walls appear to be structurally sound.
- Roof structure is in good condition.

Conclusion:

- The building is stable and structurally safe to access.
- Roof is stable and may be accessed.



Bldg 4-2 looking east.pdf



Bldg 4-3 Door blocked.pdf

Building 5 – Oil Storage



Bldg 5-1 Looking south.pdf

Building Height: 1 Story with full basement

Type of Construction:

- The building is constructed of masonry walls, steel framed roof with metal deck, steel framed floor with concrete slab spanning from center steel beam to foundation wall, concrete foundation, and concrete slab on grade in the basement.

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken CMU (concrete masonry units). The west side has areas where freezing water has broken out large portions of individual blocks.
- The roof deck is badly corroded and has collapsed in many areas, but the roof beams are still stable. Parts of the metal deck are loose and sitting on the roof. Built up roof is basically non existent, most blown off.
- The floor is structurally stable.
- Stair to basement is corroded but is stable.

Conclusion:

- The building roof deck has greatly deteriorated since the last inspection of January 12, 2006.
- Access to the interior and basement is permitted. Caution at areas of hanging roof deck.
- Access to the roof is not permitted. Any material sampling should be done from a man lift.



Bldg 5-2 West side looking east.pdf



Bldg 5-3 West side.pdf



Bldg 5-4 Interior looking west.pdf



Bldg 5-5 Basement looking west.pdf



Bldg 5-6 Roof looking south.pdf

Building 6 – Paint Storage



Bldg 6-1 Looking east.pdf

Building Height: 1 Story

Type of Construction:

- The building is constructed of masonry walls, concrete slab roof, built up roof, concrete foundation, and concrete slab on grade.

Observations:

- Exterior masonry walls are overall stable with some cracks.
- Some evidence of roof leaking.
- Building is structurally stable.
- Bags of debris, possibly hazardous, are piled in the interior.

Conclusion:

- Access to building and roof is unrestricted.



Bldg 6-2 looking south.pdf



Bldg 6-3 Interior looking south.pdf



Bldg 6-4 Interior looking south.pdf



Bldg 6-5 Roof looking south.pdf

Building 7 – Warehouse



Bldg 7-1 East end looking west.pdf

Building Height: 1 Story

Type of Construction:

- The building consists of three parts; south warehouse section, north warehouse section, and east office addition.
- The south warehouse section is constructed of concrete foundations, concrete slab on grade, masonry walls, steel columns, steel roof trusses, steel purlins, wood plank roof sheathing, and asphalt roof.
- The north warehouse section is constructed of concrete foundations, concrete slab on grade, masonry walls, steel columns, steel roof trusses, steel purlins, transite corrugated roof panels, and built up roof.
- The east office addition is constructed of concrete foundations, concrete slab on grade, masonry walls, steel columns, steel roof joists, flat concrete panel roof deck, and built up roof.

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken CMU.
- The wood roof sheathing of the south warehouse section is deteriorated and has collapsed in most areas leaving large openings, but the roof trusses and purlins are still stable.
- The roof of the north warehouse section is structurally stable and in good condition.

- The east office area interior is deteriorated due to roof leaking. The concrete roof deck is stable at the areas exposed from underneath.

Conclusion:

- The south warehouse section roof deck has greatly deteriorated since the last inspection of January 12, 2006. Access to this roof is not permitted.
- The north warehouse section roof is structurally stable and roof access is allowed.
- Access to the east office roof is not permitted until the entire roof can be exposed from below and inspected. It is suspected that access to this roof can be allowed in most areas.
- Any material sampling should be done from a man lift.



Bldg 7-2 East end looking north.pdf



Bldg 7-3 South side middle.pdf



Bldg 7-4 South side west end.pdf



Bldg 7-5 South side close up.pdf



Bldg 7-6 West side looking east.pdf



Bldg 7-7 West side looking north.pdf



Bldg 7-8 North end looking west.pdf



Bldg 7-9 Interior of east end.pdf



Bldg 7-10 Roof of east end.pdf



Bldg 7-11 Interior of south section looking west.pdf



Bldg 7-12 Interior of north section looking north.pdf



Bldg 7-13 North section roof.pdf



Bldg 7-14 North section roof detail.pdf



Bldg 7-15 South section roof looking west.pdf

Building 8 – Main Office



Bldg 8-1 Looking north.pdf

Building Height: 2 Stories with full basement

Type of Construction:

- Structure consists of a steel frame, concrete masonry walls, concrete foundation, concrete slab on grade, cast in place concrete floor, concrete panel roof, and built up roofing.

Observations:

- Masonry walls are structurally sound with some cracks.
- Entire interior plaster ceilings and walls have deteriorated and have collapsed leaving piles on the floors.
- The steel frame while badly corroded is stable, but the capacity has been reduce due to corrosion.
- The concrete floors were cast in place over a wire mesh with some type of fabric to fill openings in mesh, and building paper. The fabric and building paper should be tested for asbestos. It is doubtful that these items can be abated separately from the demolition of the floor concrete.
- The concrete roof panels have been exposed to moisture from many openings in the built up roof, and daylight can be seen in many areas between panels.
- Basement was not accessed due to safety concerns. Second floor was observed only from the stair area.

Conclusion:

- The building is not safe for access. Observations were made from the entry and stairwell area and material sampling in this area can proceed with caution.

- The floor is covered with 1 to 3 feet of debris from the ceiling and wall collapse. There may be areas of the floor that could collapse due to corrosion, especially areas with large amounts of debris.
- The exterior masonry appears to be structurally sound.
- The steel framing is badly corroded and the capacity has been reduced.
- It is suspected that the wire mesh with fabric and building paper on the underside of the concrete floor contains asbestos. It would be very difficult to abate this material separate from the demolition of the concrete floor.
- The building in its present condition is of questionable structural stability and poses a safety hazard. The entry to the building should be secured by boarding up the window and doors.



Bldg 8-2 Looking north close up.pdf



Bldg 8-3 1st floor looking west.pdf



Bldg 8-4 1st floor looking east.pdf



Bldg 8-5 1st floor looking east.pdf



Bldg 8-6 Stair looking south.pdf



Bldg 8-7 2nd floor looking west.pdf



Bldg 8-8 2nd floor looking east.pdf



Bldg 8-9 Roof.pdf



Bldg 8-10 Floor construction.pdf



Bldg 8-11 Floor construction.pdf



Bldg 8-12 Floor construciton.pdf



Bldg 8-13 Stair to basement.pdf



Bldg 8-14 Roof looking north.pdf

Building 9 – Coal Thawing Shed



Bldg 9-1 South side looking north.pdf

Building Height: 1 Story with open pit below grade level.

Type of Construction:

- The building is constructed of concrete foundations, steel columns, steel roof trusses, steel purlins, steel girts, exterior and interior masonry walls, transite corrugated siding on internal walls, transite corrugated roofing, and insulation panels on interior of roof.
- Hopper cars are rolled into shed on steel bridges on each side of the main section for thawing and dumping of coal. A pit exists in the entire main section perhaps 20 feet deep.
- On each side of the main section are areas for thawing hoppers without a pit.
- On the east end is a section with a flat roof with steel beams, metal roof deck, and built up roofing.

Observations:

- Masonry walls are stable with some cracks.
- The steel framing is structurally sound.
- At east end the metal decking at the float roof is corroded, but appears in good shape without many leaks.
- A boiler is located in the east section of the south section.

Conclusion:

- The building is structurally stable and safe for access. However there are areas where handrails may be missing. Access should be with proper lighting and precaution.
- Roof access if required during demolition may be possible after closer inspection of the corrugated roof panels and testing to assure they are sound..
- Material sampling on the roof should be accomplished by use of a man lift.



Bldg 9-2 South side looking west.pdf



Bldg 9-3 East side looking west.pdf



Bldg 9-4 East end interior.pdf



Bldg 9-5 east end roof.pdf



Bldg 9-6 Interior of main section looking west.pdf



Bldg 9-7 Interior wall of main section.pdf



Bldg 9-8 Roof of main section.pdf



Bldg 9-9 West end of main section.pdf



Bldg 9-10 Boiler.pdf



Bldg 9-11 Roof at boiler room.pdf



Bldg 9-12 Roof looking northwest.pdf



Bldg 9-13 Roof looking north.pdf

Building 10 – Electrical Shop



Bldg 10-1 Looking north.pdf

Building Height: 1 Story

Type of Construction:

- The building is constructed of a steel frame, steel purlins, and steel roof trusses, masonry walls, concrete foundation, concrete slab on grade, and concrete roof panels with a built up roof.
- Mezzanines have masonry walls, steel beams, and concrete floor

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken CMU (concrete masonry units).
- Roof structure is in good condition.
- Stair to west side mezzanine has one rusted and collapsed step.
- Mezzanines are structurally sound

Conclusion:

- The building is stable and safe to access.

- Roof is stable and may be accessed during demolition after closer inspection and testing of roof panel for load.
- Material sampling at the roof shall be performed using a man lift.



Bldg 10-2 Looking west.pdf



Bldg 10-3 Looking north.pdf



Bldg 10-4 Looking north.pdf



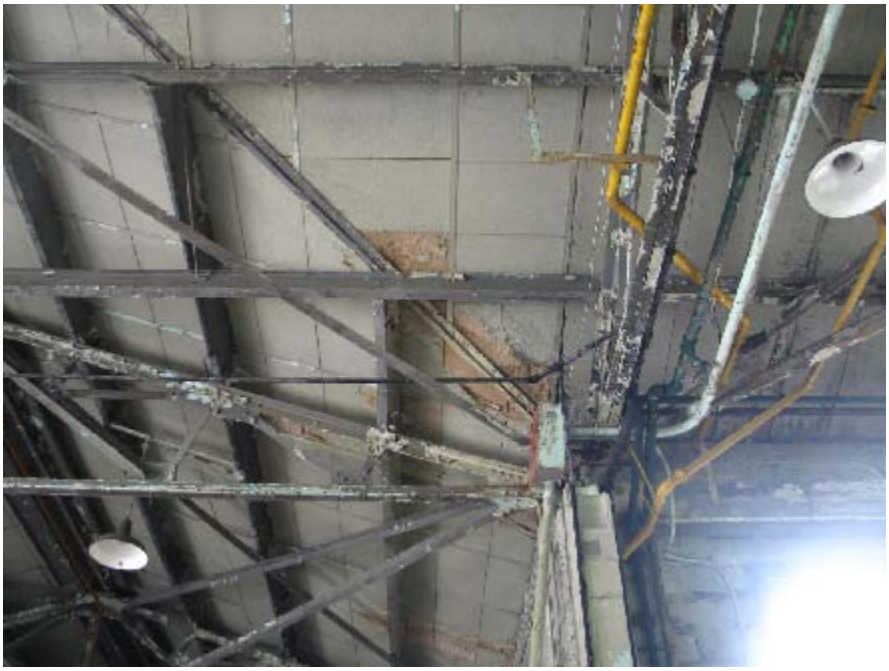
Bldg 10-5 South west corner looking north.pdf



Bldg 10-6 Interior looking west.pdf



Bldg 10-7 Interior roof.pdf



Bldg 10-8 Interior roof close up.pdf



Bldg 10-9 Stir to west mezzanine.pdf



Bldg 10-10 East mezzanine.pdf

Building 12 – Machine Shop



Bldg 12-1 Looking east.pdf

Building Height: High bay at center section and 1 story at side sections.

Type of Construction:

- The majority of the building is constructed of concrete foundation, concrete slab on grade, masonry walls, steel framing, steel roof trusses, wood purlins, wood plank roof sheathing, and built up roof.
- The south end is similar with corrugated roof panels instead of wood plank sheathing.
- At the north end is a two story office area with masonry walls, wood floor, and wood roof.

Observations:

- Steel "x" braces have been removed for salvage at many areas just above the slab on grade. Braces are for lateral support of the building and without these the building may not be structurally sufficient during a high wind or seismic event. Masonry walls may provide some lateral support, but should not be counted on.
- Exterior masonry walls are overall stable with many areas of cracked and broken CMU (concrete masonry units).
- The wood roof deck is badly deteriorated and has collapsed in most areas with many pieces hanging. Access under the wood roof area other than the central high bay that is in better condition is prohibited.
- The south end roof with corrugated roof deck appear to be structurally sound and access is permitted.

- The 2 story office area has deterioration of the wood beams and access is prohibited.

Conclusion:

- The building roof deck has greatly deteriorated since the last inspection of January 12, 2006.
- Access to the interior is permitted on the south end with corrugated roof panels, and in the central high bay area. Access to the building on each side of the central high bay is not permitted due to possible falling debris.
- Access to the roof is not permitted. Any material sampling should be done from a man lift.
- Do not access the building on days with winds exceeding 15 mph, or during and after heavy rain and snowfall events.
- In general the building should be considered inaccessible.



Bldg 12-2 Looking north.pdf



Bldg 12-3 West side looking north.pdf



Bldg 12-4 Center section looking north.pdf



Bldg 12-5 East section looking north.pdf



Bldg 12-6 South end looking west.pdf



Bldg 12-7 South end looking east.pdf



Bldg 12-8 Office at north end.pdf



Bldg 12-9 Office at north end floor construction.pdf



Bldg 12-10 Hanging roof deck.pdf



Bldg 12-11 Interior looking southwest missing braces.pdf

Building 18 – Pump House



Bldg 18-1 Looking north.pdf

Building Height: 1 Story with below grade area

Type of Construction:

- The building is constructed of masonry walls, concrete floor, concrete slab roof, built up roof, concrete foundation, and concrete slab on grade in the lower area.

Observations:

- Exterior masonry walls are overall stable with many areas of cracked and broken areas.
- The masonry at the door on the south side is broken.
- The floor is structurally stable.
- Stair to lower area is stable.

Conclusion:

- The building is stable and structurally safe for access.
- The roof is stable and structurally safe for access.
- Take caution at the south door and the broken masonry. Barricade or caution tape off area.



Bldg 18-2 Looking north.pdf



Bldg 18-3 North side looking east.pdf



Bldg 18-4 West side looking south.pdf



Bldg 18-5 Interior looking east.pdf



Bldg 18-6 Interior looking west.pdf

Building 20 – Switch Gear



Bldg 20-1 West side looking south.pdf

Building Height: 1 Story

Type of Construction:

- Structure consists of concrete masonry walls, concrete foundation, concrete slab on grade, cast in place concrete flat roof, and built up roofing.

Observations:

- Masonry walls are structurally sound with some cracks.

Conclusion:

- The building is stable and is structurally safe for access.
- Roof slab is structurally safe for access.



Bldg 20-2 North side looking south.pdf



Bldg 20-3 South side looking north.pdf



Bldg 20-4 Interior looking south.pdf



Bldg 20-5 Interior looking north.pdf

Building 22 – Sinter Plant



Bldg 22-1 West side looking northeast.pdff

Building Height: 3 story with basement

Type of Construction:

- The building is constructed of steel framing, concrete foundations, exterior masonry walls, transite corrugated siding on upper external walls, and transite corrugated roofing (most removed).
- Floor are concrete on steel beams.

Observations:

- Building was partially demolished for scrap in a dangerous way. Steel above the 3rd floor up to the roof was removed without regard to the stability or safety of the remaining structure leaving many beams hanging and poorly supported. Portions of the 3rd floor were removed.
- Portions of columns still required for support of the floor were removed, vertical braces were removed to be able to remove equipment and also because they could be easily removed for scrap. Again without regard to the stability or safety of the remaining structure.
- Large portions of the masonry wall were removed for removal of equipment on all 4 sides. Masonry surrounding openings are not stable.
- The 1st floor is a heavy concrete slab on steel beams and is structurally sound.
- The 2nd floor is a concrete slab on steel beam and is structurally sound. However there are vertical braces that were removed reducing the stability for lateral loads.
- Building was accessed only on the 2nd floor and basement.

Conclusion:

- The 1st floor and basement are structurally stable and access to the 1st floor and basement is allowed. Access above the 2nd floor is not allowed due to the hap hazard way the demolition was performed above the 2nd floor.
- The exterior of the building has portions of hanging siding and other loose items that present a danger from potentially falling debris.
- Material sampling on the exterior should be accomplished by use of a man lift.
- The building is a health and safety risk and access to the areas stated above should be with great caution. Demolition of the remaining building should be accomplished by a experienced demolition contractor. Before any demolition takes place a detailed structural evaluation should be performed and a detailed demolition plan be made.



Bldg 22-2 Looking south.pdf



Bldg 22-3 Looking west.pdf



Bldg 22-4 West side steel removed.pdf



Bldg 22-5 South side column missing.pdf



Bldg 22-6 East side steel removed.pdf



Bldg 22-7 Basement.pdf



Bldg 22-8 1st floor.pdf



Bldg 22-9 1st floor brace removed.pdf



Bldg 22-10 1st floor.pdf

Building 23 – Scale House



Bldg 23-1 south and east side looking north.pdf

Building Height: 1 Story

Type of Construction:

- The building is constructed of masonry walls, concrete foundation, concrete slab on grade, and concrete roof with a built up roof.

Observations:

- Exterior masonry walls are overall stable with many areas cracked and broken.
- Roof structure is in good condition.

Conclusion:

- The building is stable and safe to access.
- Roof is stable and may be.



Bldg 23-2 West side looking northeast.pdf



Bldg 23-3 Interior looking south.pdf



Bldg 23-4 Interior looking south.pdf

Screen Building



Bldg screen-1 Looking east.pdf

Building Height: 1 Story with basment

Type of Construction:

- The building is constructed of concrete foundation, concrete slab on grade, masonry walls, steel floor and roof framing, concrete floor, concrete roof, and built up roof.

Observations:

- Exterior masonry walls are overall stable with some areas cracked.
- Overall the structure of the floor and roof are structurally stable and safe for access.
- Floor openings to the basement present a safety hazard.

Conclusion:

- The building is stable and structurally safe for access to the 1st floor and basement. Access to the basement is through concrete tunnels from the silo are or by ladder through floor openings.
- Access to the roof is permitted.
- Openings in the floor present a safety hazard and should be barricaded if work inside the building is performed.



Bldg screen-2 East side looking north west.pdf



Bldg screen-3 Interior looking north.pdf



Bldg screen-4 Interior roof.pdf



Bldg screen-5 Interior basement looking south.pdf

Building 32 (Benson Mines Property)



Bldg 32-1 looking east.pdf

Building Height: 1 Story

Type of Construction:

- The building is constructed of masonry walls, steel columns, steel roof trusses, steel purlins, transite corrugated roof panels, concrete foundation, and concrete slab on grade.

Observations:

- Exterior masonry walls are overall stable
- The roof is stable.

Conclusion:

- The building roof is believed to be transite corrugated panels.
- Any material sampling should be done from a man lift.
- Access to roof for demolition is possibly permitted. Test the panel for load and further inspect.
- Access to the interior is permitted.



Bldg 32-2west and south side looking north.pdf



Bldg 32-3 Interior looking south.pdf



Bldg 32-4 Interior looking north.pdf



Bldg 32-5 Interior roof.pdf

END

APPENDIX B

DATA USABILITY SUMMARY REPORTS

DATA USABILITY SUMMARY REPORT

FORMER J&L STEEL SITE

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LIST OF ATTACHMENTS

ATTACHMENT A VALIDATED LABORATORY DATA

Attachment A-1 Validated Laboratory Data For Soil Samples

Attachment A-2 Validated Laboratory Data For Waste Samples

SECTION 1

DATA USABILITY SUMMARY

Soil and waste samples were collected from the Former J&L Steel site in Clifton, New York from September 22, 2015 through September 25, 2015. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan,
- NYSDEC Analytical Services Protocol (ASP), and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratory for this project was Spectrum Analytical (Spectrum). This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 26-28 days for the project samples.

The data packages received from Spectrum were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized by sample media in Section 2.

1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at Spectrum within four to five days of sampling. All samples were received intact and in good condition at the laboratory overall.

1.3 LABORATORY ANALYTICAL METHODS

The soil samples that were collected from the site were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), herbicides, metals, hexavalent and trivalent chromium, and cyanide. The waste samples that were collected from the site were analyzed for VOCs, SVOCs, pesticides, PCBs, metals, cyanide, the toxicity characteristic leaching procedure (TCLP) parameters (volatiles, semivolatiles, pesticides, herbicides, metals), total organic halides (TOX), pH, ignitability, reactive cyanide, and reactive sulfide. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.5. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are

discussed for each analytical method by media in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given,

"J+" - estimated biased high at the value given,

"J-" - estimated biased low at the value given,

"N" - presumptive evidence at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for VOCs or TCLP VOCs using the USEPA SW-846 8260C analytical method. Certain reported results for these samples were qualified as estimated based upon instrument calibrations. The reported VOC or TCLP VOC analytical results were 100% complete (i.e., usable) for the project data. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

The project samples were analyzed for SVOCs or TCLP SVOCs using the USEPA SW-846 8270D analytical method. Certain reported results for these samples were qualified as estimated based upon laboratory control sample recoveries and instrument calibrations. The reported SVOC or TCLP SVOC analytical results were 00% complete (i.e., usable) for the project data. PARCCS requirements were met.

1.3.3 Pesticide, PCB, and Herbicide Organic Analysis

The project samples were analyzed for pesticides (including TCLP pesticides), PCBs, and herbicides (including TCLP herbicides) using the USEPA SW-846 8081B/8082A/8151A analytical methods. Certain reported results for these samples were qualified as estimated based upon sample result identification and field duplicate precision. The reported analytical results for these samples were considered 100% complete (i.e., usable) for the project data. PARCCS requirements were met.

1.3.4 Inorganics Analysis

The project samples were analyzed for metals (including TCLP metals), hexavalent and trivalent chromium, and cyanide using the USEPA SW-846 6010C/7470A/7471A/7196A/9012B analytical methods. Certain reported results for the inorganics samples were qualified as estimated based upon matrix spike recoveries, serial dilutions, laboratory duplicate precision, and field duplicate precision. The reported inorganic analytical results were considered 100% complete (i.e., usable) for the project data. PARCCS requirements were met.

1.3.5 Wet Chemistry Analyses

Waste samples were analyzed for TOX using the USEPA SW-846 9023 analytical method; pH using the USEPA SW-846 9045C or SM20 4500 analytical method; ignitability using the USEPA SW-846 1010A analytical method; and reactive cyanide/sulfide using the USEPA SW-846 7.3.3.2/7.3.4.2 analytical method. All laboratory data for these samples were reviewed and evaluated for usability with respect to custody documentation, holding times, laboratory blanks, laboratory control sample accuracy, laboratory duplicate precision, matrix spike/matrix spike duplicate precision and accuracy, instrument calibrations, data completeness, sample data verification and identification, and quantitation limits. The reported results for these samples did not require qualification resulting from data validation. The reported analytical results for the wet chemistry samples were 100% complete with all data considered usable and valid for the data presented by Spectrum. PARCCS requirements were met.

SECTION 2

DATA VALIDATION REPORT

2.1 SOIL

Data review has been completed for data packages generated by Spectrum containing soil samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) P1443, P1444, and P1466. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A-1.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, and initial and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements for designated spiked project samples were considered acceptable and within QC limits with the exception of the low MS/MSD accuracy results for trichloroethene and the precision for bromomethane during the spiked analyses of sample PSS-09; and the low MS/MSD accuracy results for vinyl acetate and trichloroethene during the spiked analyses of sample PSS-17. Validation qualification of the parent samples was not required.

LCS Recoveries

All LCS recoveries associated with project samples were considered acceptable and within QC limits with the exception of the high LCS recoveries for 1,4-dioxane (137%R; QC limit 70-130%R) and tert-butyl alcohol (120%R; QC limit 63-120%R) associated with sample BLD-07. Validation qualification of this sample was not required.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum mean relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of trichloroethene (31.7%RSD) and 1,4-dioxane (RRF=0.003) in the initial calibration associated with all soil samples except BLD-07. Therefore, the results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified "UJ" for the affected samples.

All continuing calibration compounds were compliant with a minimum RRF of 0.05 and a maximum percent difference (%D) within $\pm$20% with the exception of 1,4-dioxane (RRF=0.002, 0.003, 0.004, 0.005) in the continuing calibrations associated with all samples; bromomethane (-30.9%D) in the continuing calibration associated with sample BLD-07; and trichloroethene (-21.1%D, -26.3%D, -23.8%D) in the continuing calibrations associated with all soil samples except PSS-01 through -05, -22 through -26, and -220. Therefore, the sample results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Usability

All volatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile soil data presented by Spectrum were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-1.

2.1.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, LCS recoveries, blank contamination, continuing calibrations, and sample result identification as discussed below.

Surrogate Recoveries

All surrogate recoveries were considered acceptable and within QC limits with the exception of the low 2,4,6-tribromophenol (QC limit 35-125%R) surrogate recoveries in samples PSS-01 (34%R) and -04 (33%R); and the high nitrobenzene-d5 (QC limit 35-100%R) surrogate recovery in sample BLD-07 (240%R). Validation qualification of these samples was not required.

LCS Recoveries

All LCS recoveries associated with project samples were considered acceptable and within QC limits with the exception of the high LCS recoveries for benzo(a)anthracene (112%R) and chrysene (110%R) and the low LCS recoveries for pentachlorophenol (40%R, 36%R; QC limit 40-115%R) associated with sample RNS. Validation qualification of benzo(a)anthracene and chrysene was not required for this sample. However, the nondetected pentachlorophenol was considered estimated and qualified "UJ".

Blank Contamination

The field QC equipment blank RNS associated with soil samples in SDG P1444 contained dimethylphthalate and bis(2-ethylhexyl)phthalate below the reporting limit at concentrations of 2.4 and 3.2 µg/L, respectively. Results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum RRF of 0.05 and a maximum %D within ±20% with the exception of pentachlorophenol (-30.2%D, -28.2%D) in the continuing calibrations associated with all soil samples except PSS-01 through -05, -18 through -22, -25, -26, and -220; 2,4-dinitrophenol (-50%D) in the continuing calibration associated with samples PSS-01 through -05, -18 through -22, -25, -26, and -220; and benzo(a)anthracene (20.4%D) in the continuing calibration associated with sample RNS. The sample results for these noncompliant compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Sample Result Identification

The positive N-nitroso-di-n-propylamine result for sample PSS-22 was considered not detected and qualified "U" based upon a failed ratio test during review of instrument raw data. It was noted that its field duplicate sample PSS-220 did not contain N-nitroso-di-n-propylamine confirming the absence of this compound in PSS-22.

Usability

All semivolatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile soil data presented by Spectrum were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-1.

2.1.3 Pesticides, PCBs, and Herbicides

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and equipment blank contamination

- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, blank contamination, sample result identification, and field duplicate precision as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC acceptance limits with the exception of the decachlorobiphenyl recovery (QC limit 55-130%R) in pesticide samples PSS-01 (34%R, 46%R), PSS-02 (30%R, 37%R), PSS-03 (45%R), PSS-04 (37%R, 47%R), PSS-05 (31%R, 42%R), PSS-25 (55%R), PSS-24 (48%R), PSS-23 (51%R), PSS-22 (23%R, 46%R), PSS-220 (49%R), PSS-21 (35%R), PSS-20 (46%R), PSS-19 (47%R), PSS-18 (51%R), RNS (15%R, 17%R), SLAB-06 (42%R, 55%R), and PSS-14 (50%R); and the decachlorobiphenyl recovery (QC limit 60-125%R) in PCB samples PSS-22 (126%R), PSS-21 (55%R), RNS (17%R, 18%R), and SLAB-06 (29%R, 41%R). Validation qualification was not required for these samples.

MS/MSD Precision and Accuracy

All MS/MSD precision and accuracy measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the many MS/MSD precision and accuracy pesticide results during the spiked analyses of pesticide samples PSS-09 and PSS-17; the low MS accuracy result and high MS/MSD precision result for 2,4,5-TP during the spiked analyses of herbicide sample PSS-09; the many MS/MSD precision and accuracy herbicide results during the spiked analyses of herbicide sample PSS-17; and the high MSD accuracy and precision results for PCB-1260 during the spiked analyses of PCB sample PSS-17. Validation qualification of the parent samples was not required.

Blank Contamination

The field QC equipment blank RNS associated with samples in SDG P1444 contained 2,4,5-TP below the reporting limit at a concentration of 0.097 µg/L. Validation qualification of associated sample results was not required.

Sample Result Identification

All positive pesticide, PCB, and herbicide sample results were within retention time windows and verified present using secondary column confirmation. The percent difference

(%D) between the pesticide, PCB, and herbicide results on the quantitation and confirmation columns were less than 40% with the exception of PCB-1260 in sample PSS-19; PCB-1248 in sample BLD-07; gamma-chlordane in samples PSS-01, -02, -04, -08, -14, -15, -16, -18, -19, -20, -21, -22, -23, -25, SLAB-06, and BLD-07; 4,4'-DDE in samples PSS-25, -26, and BLD-07; 4,4'-DDD in samples SLAB-06 and BLD-07; 4,4'-DDT in samples SLAB-06 and PSS-04; endosulfan I in sample PSS-26; endosulfan sulfate in sample PSS-21; heptachlor epoxide in sample PSS-26; dieldrin in samples PSS-25, -26, and BLD-07; delta-BHC in sample PSS-11; alpha-BHC in sample BLD-07; heptachlor in sample BLD-07; gamma-BHC in sample BLD-07; endrin ketone in sample SLAB-06; and aldrin in sample SLAB-06. The results for these compounds were considered estimated and qualified "J" for the affected samples. However, results for those compounds where the %D exceeded 90% were considered estimated, tentatively identified, and qualified "JN" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable associated with sample PSS-22 and its field duplicate PSS-220 with the exception of the results for gamma-chlordane (19 µg/kg and nondetect, respectively), PCB-1254 (36 µg/kg and nondetect, respectively), and PCB-1260 (47 µg/kg and nondetect, respectively). Therefore, these results were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected field duplicate pair samples.

Usability

All pesticide, PCB, and herbicide results for the soil samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The pesticide, PCB, and herbicide soil data presented by Spectrum were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A-1.

2.1.4 Inorganics

The following items were reviewed for compliancy in the inorganics analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, laboratory preparation blank, and equipment blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- Matrix spike (MS) recoveries
- Laboratory duplicate precision

- Field duplicate precision
- Laboratory control sample (LCS) recoveries
- ICP serial dilutions
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination, matrix spike recoveries, ICP serial dilutions, laboratory duplicate precision, and field duplicate precision as discussed below.

Blank Contamination

Laboratory preparation blank associated with samples in SDG P1443 contained barium, chromium, and vanadium below the reporting limit at concentrations of 0.032, 0.064, and 0.067 mg/kg, respectively; the laboratory preparation blank associated with sample RNS contained calcium, potassium, and sodium below the reporting limit at concentrations of 385.327, 196.352, and 34.504 µg/L, respectively; the laboratory preparation blank associated with soil samples in SDG P1444 contained beryllium, calcium, chromium, potassium, and zinc below the reporting limit at concentrations of 0.005, 16.064, 0.072, 13.324, and 0.23 mg/kg, respectively; and the field QC equipment blank RNS associated with samples in SDG P1444 contained barium, calcium, chromium, cobalt, iron, nickel, potassium, sodium, vanadium, and zinc below the reporting limit at concentrations of 5.6, 443, 4.4, 1.3, 75.2, 3, 209, 178, 1.8, and 19.3 µg/L, respectively. Validation qualification of associated sample results was not required.

Matrix Spike Recoveries

All the MS recoveries for designated spiked project samples were within the 75-125%R QC limit with sample concentrations less than four times the spiking concentration with the exception of the low MS recovery for antimony (70%R) associated with sample PSS-09; the low MS/MSD recoveries for cyanide (88%R/85%R; QC limit 90-110%R) associated with sample PSS-21; and the low MS/MSD recoveries for hexavalent chromium (69.7%R/72.9%R) associated with sample PSS-17. Therefore, results for these analytes which were nondetects, were considered estimated, possibly biased low, and qualified “UJ” for the affected samples.

ICP Serial Dilution

QC serial dilution results were compliant for all analytes with the exception of the serial dilution results for cadmium (67%D), calcium (16%D), cobalt (11%D), and lead (22%D) associated with sample PSS-09; and potassium (14%D) associated with sample PSS-17. Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable with the exception of the laboratory duplicate precision for cadmium (58.5%RPD), chromium (21.2%RPD), and iron (25.4%RPD) associated with sample PSS-17; and zinc (26.8%RPD) associated with sample PSS-09. Results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for cobalt (93%RPD), copper (87%RPD), lead (75%RPD), and nickel (60%RPD) associated with sample SLAB-03 and the field duplicate SLAB-030. Therefore, the results for these analytes were considered estimated and qualified "J" for the affected samples.

Usability

All inorganics soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The inorganics soil data presented by Spectrum were 100% complete (i.e., usable). The validated soil inorganics laboratory data are tabulated and presented in Attachment A-1.

2.2 WASTE SAMPLES

Data review has been completed for data packages generated by Spectrum containing analytical results from waste samples collected from the site. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. Analytical results from these samples were contained within SDG P1466. The validated laboratory data are presented in Attachment A-2.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.2.1 Volatiles (including TCLP Volatiles)

The following items were reviewed for compliancy in the volatile and TCLP volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy

- LCS recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All volatile and TCLP volatile waste sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile and TCLP volatile waste sample data presented by Spectrum were 100% complete (i.e., usable). The validated volatile and TCLP volatile laboratory data are tabulated and presented in Attachment A-2.

2.2.2 Semivolatiles (including TCLP Semivolatiles)

The following items were reviewed for compliancy in the semivolatile and TCLP semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification

- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of LCS recoveries as discussed below.

LCS Recoveries

All LCS recoveries were within QC limits with the exception of the LCS recoveries for pentachlorophenol (39.6%R, 36%R, 28.7%R, 12.9%R; QC limit 40-115%R) associated with all waste samples; and benzo(a)anthracene (112%R; QC limit 55-110%R) associated with sample LW. Therefore, the results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All semivolatile and TCLP semivolatile waste sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile and TCLP semivolatile data presented by Spectrum were 100% complete (i.e., usable). The validated semivolatile and TCLP semivolatile laboratory data are tabulated and presented in Attachment A-2.

2.2.3 Pesticides and PCBs (including TCLP Pesticides and TCLP Herbicides)

The following items were reviewed for compliancy in the pesticide, PCB, TCLP pesticide, and TCLP herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Sample result verification and identification
- Quantitation limits

- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MS accuracy result for 2,4,5-TP during the spiked analyses of TCLP herbicide sample SW. Validation qualification of the parent sample was not required.

Usability

All pesticide, PCB, TCLP pesticide, and TCLP herbicide results for the waste samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The waste sample data presented by Spectrum were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A-2.

2.2.4 Inorganics (including TCLP metals)

The following items were reviewed for compliancy in the inorganics and TCLP metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, and laboratory preparation blank contamination
- Interference check sample (ICS)
- Matrix spike (MS) recoveries
- Laboratory duplicate precision
- LCS recoveries
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination and laboratory duplicate precision as discussed below.

Blank Contamination

The laboratory preparation blank associated with sample LW contained barium, calcium, lead, and sodium below the reporting limit at concentrations of 1.705, 359.8, 8.945, and 583.6 µg/L, respectively; and the laboratory preparation blank associated with TCLP sample SW contained arsenic, barium, chromium, and lead below the reporting limit at concentrations of 8.936, 1.161, 1.127, and 8.021 µg/L, respectively. Results for these analytes less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable with the exception of the laboratory duplicate precision for TCLP arsenic (79.6%RPD) and TCLP lead (79.7%RPD) associated with sample SW. Results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Usability

All inorganic and TCLP metals waste sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The inorganic and TCLP metals data presented by Spectrum were 100% complete (i.e., usable). The validated inorganic and TCLP metals laboratory data are tabulated and presented in Attachment A-2.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR SOIL SAMPLES

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	BLD-07 BLD-07_2015-9-24 P1444-14 MITKEM P1444 SOIL 9/24/2015 14:30 12/21/2015	PSS-01 PSS-01_2015-9-22 P1443-01 MITKEM P1443 SOIL 9/22/2015 9:20 12/21/2015	PSS-02 PSS-02_2015-9-22 P1443-02 MITKEM P1443 SOIL 9/22/2015 10:20 12/21/2015	PSS-03 PSS-03_2015-9-22 P1443-03 MITKEM P1443 SOIL 9/22/2015 10:45 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-34-3	1,1-Dichloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-35-4	1,1-Dichloroethene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
563-58-6	1,1-Dichloropropene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	29000	4.8 U	5.4 U	5.8 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	410 J	4.8 U	5.4 U	5.8 U
107-06-2	1,2-Dichloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
78-87-5	1,2-Dichloropropane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	7200	4.8 U	5.4 U	5.8 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
142-28-9	1,3-Dichloropropane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	130 J	4.8 U	5.4 U	5.8 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	10000 UJ	96 UJ	110 UJ	120 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
95-49-8	2-Chlorotoluene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
591-78-6	2-Hexanone	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
106-43-4	4-Chlorotoluene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
67-64-1	Acetone	ug/Kg	520 U	22	58	88
71-43-2	Benzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
108-86-1	Bromobenzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
74-97-5	Bromochloromethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-27-4	Bromodichloromethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-25-2	Bromoform	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
74-83-9	Bromomethane	ug/Kg	520 UJ	4.8 U	5.4 U	5.8 U
75-15-0	Carbon Disulfide	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
56-23-5	Carbon Tetrachloride	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
108-90-7	Chlorobenzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-00-3	Chloroethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
67-66-3	Chloroform	ug/Kg	330 J	4.8 U	5.4 U	5.8 U
74-87-3	Chloromethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	1900	4.8 U	5.4 U	5.8 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
99-87-6	Cymene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
124-48-1	Dibromochloromethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
74-95-3	Dibromomethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-71-8	Dichlorodifluoromethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
1330-20-7	Xylenes	ug/Kg	8400	4.8 U	5.4 U	5.8 U
100-41-4	Ethylbenzene	ug/Kg	1600	4.8 U	5.4 U	5.8 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	980	4.8 U	5.4 U	5.8 U
179601-23-1	m,p-Xylene	ug/Kg	7300	4.8 U	5.4 U	5.8 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-09-2	Methylene Chloride	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
104-51-8	N-Butylbenzene	ug/Kg	1600	4.8 U	5.4 U	5.8 U
103-65-1	N-Propylbenzene	ug/Kg	1700	4.8 U	5.4 U	5.8 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	1100	4.8 U	5.4 U	5.8 U
135-98-8	Sec-Butylbenzene	ug/Kg	870	4.8 U	5.4 U	5.8 U
100-42-5	Styrene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
98-06-6	T-Butylbenzene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	1000 U	9.6 U	11 U	12 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
108-88-3	Toluene	ug/Kg	400 J	4.8 U	5.4 U	5.8 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	520 U	4.8 UJ	5.4 UJ	5.8 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
108-05-4	Vinyl Acetate	ug/Kg	520 U	4.8 U	5.4 U	5.8 U
75-01-4	Vinyl Chloride	ug/Kg	470 J	4.8 U	5.4 U	5.8 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	BLD-07 BLD-07_2015-9-24 P1444-14 MITKEM P1444 SOIL 9/24/2015 14:30 12/21/2015	PSS-01 PSS-01_2015-9-22 P1443-01 MITKEM P1443 SOIL 9/22/2015 9:20 12/21/2015	PSS-02 PSS-02_2015-9-22 P1443-02 MITKEM P1443 SOIL 9/22/2015 10:20 12/21/2015	PSS-03 PSS-03_2015-9-22 P1443-03 MITKEM P1443 SOIL 9/22/2015 10:45 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	5500 U	720 U	740 U	720 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	2700 U	360 U	370 U	350 U
120-83-2	2,4-Dichlorophenol	ug/Kg	2700 U	360 U	370 U	350 U
105-67-9	2,4-Dimethylphenol	ug/Kg	2700 U	360 U	370 U	350 U
51-28-5	2,4-Dinitrophenol	ug/Kg	5500 U	720 UJ	740 UJ	720 UJ
121-14-2	2,4-Dinitrotoluene	ug/Kg	2700 U	360 U	370 U	350 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	2700 U	360 U	370 U	350 U
91-58-7	2-Chloronaphthalene	ug/Kg	2700 U	360 U	370 U	350 U
95-57-8	2-Chlorophenol	ug/Kg	2700 U	360 U	370 U	350 U
91-57-6	2-Methylnaphthalene	ug/Kg	150000	360 U	370 U	350 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	2700 U	360 U	370 U	350 U
88-74-4	2-Nitroaniline	ug/Kg	5500 U	720 U	740 U	720 U
88-75-5	2-Nitrophenol	ug/Kg	2700 U	360 U	370 U	350 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	2700 U	360 U	370 U	350 U
99-09-2	3-Nitroaniline	ug/Kg	5500 U	720 U	740 U	720 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	5500 U	720 U	740 U	720 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	2700 U	360 U	370 U	350 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	2700 U	360 U	370 U	350 U
106-47-8	4-Chloroaniline	ug/Kg	2700 U	360 U	370 U	350 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	2700 U	360 U	370 U	350 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	2700 U	360 U	370 U	350 U
100-01-6	4-Nitroaniline	ug/Kg	5500 U	720 U	740 U	720 U
100-02-7	4-Nitrophenol	ug/Kg	5500 U	720 U	740 U	720 U
83-32-9	Acenaphthene	ug/Kg	2700 U	360 U	370 U	350 U
208-96-8	Acenaphthylene	ug/Kg	2700 U	360 U	370 U	350 U
120-12-7	Anthracene	ug/Kg	2700 U	360 U	370 U	350 U
56-55-3	Benzo(A)Anthracene	ug/Kg	2700 U	360 U	370 U	350 U
50-32-8	Benzo(A)Pyrene	ug/Kg	2700 U	360 U	370 U	350 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	2700 U	360 U	370 U	350 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	2700 U	360 U	370 U	350 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	2700 U	360 U	370 U	350 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	2700 U	360 U	370 U	350 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	2700 U	360 U	370 U	350 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	2700 U	360 U	370 U	350 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	2700 U	360 U	370 U	350 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	2700 U	360 U	370 U	350 U
86-74-8	Carbazole	ug/Kg	2700 U	360 U	370 U	350 U
218-01-9	Chrysene	ug/Kg	2700 U	360 U	370 U	350 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	2700 U	360 U	370 U	350 U
132-64-9	Dibenzofuran	ug/Kg	2700 U	360 U	370 U	350 U
84-66-2	Diethyl Phthalate	ug/Kg	2700 U	360 U	370 U	350 U
131-11-3	Dimethyl Phthalate	ug/Kg	2700 U	170 J	100 J	110 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	2700 U	360 U	370 U	350 U
117-84-0	Di-N-Octylphthalate	ug/Kg	2700 U	360 U	370 U	350 U
206-44-0	Fluoranthene	ug/Kg	12000	360 U	370 U	350 U
86-73-7	Fluorene	ug/Kg	15000	360 U	370 U	350 U
118-74-1	Hexachlorobenzene	ug/Kg	2700 U	360 U	370 U	350 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	2700 U	360 U	370 U	350 U
67-72-1	Hexachloroethane	ug/Kg	2700 U	360 U	370 U	350 U
87-68-3	Hexachlorobutadiene	ug/Kg	2700 U	360 U	370 U	350 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	2700 U	360 U	370 U	350 U
78-59-1	Isophorone	ug/Kg	2700 U	360 U	370 U	350 U
91-20-3	Naphthalene	ug/Kg	52000	360 U	370 U	350 U
98-95-3	Nitrobenzene	ug/Kg	2700 U	360 U	370 U	350 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	2700 U	360 U	370 U	350 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	2700 U	360 U	370 U	350 U
87-86-5	Pentachlorophenol	ug/Kg	5500 UJ	720 U	740 U	720 U
85-01-8	Phenanthrene	ug/Kg	33000	360 U	370 U	350 U
108-95-2	Phenol	ug/Kg	2700 U	360 U	370 U	350 U
129-00-0	Pyrene	ug/Kg	11000	360 U	370 U	350 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	BLD-07 BLD-07_2015-9-24 P1444-14 MITKEM P1444 SOIL 9/24/2015 14:30 12/21/2015	PSS-01 PSS-01_2015-9-22 P1443-01 MITKEM P1443 SOIL 9/22/2015 9:20 12/21/2015	PSS-02 PSS-02_2015-9-22 P1443-02 MITKEM P1443 SOIL 9/22/2015 10:20 12/21/2015	PSS-03 PSS-03_2015-9-22 P1443-03 MITKEM P1443 SOIL 9/22/2015 10:45 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	14 U	1.9 U	1.9 U	1.8 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	38 J	1.9 U	1.9 U	1.8 U
959-98-8	Alpha Endosulfan	ug/Kg	14 U	1.9 U	1.9 U	1.8 U
5103-71-9	cis-Chlordane	ug/Kg	14 U	1.9 U	1.9 U	1.8 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	14 U	1.9 U	1.9 U	1.8 U
33213-65-9	Beta Endosulfan	ug/Kg	27 U	3.6 U	3.7 U	3.6 U
5103-74-2	trans-Chlordane	ug/Kg	47 JN	1.4 JN	13 JN	1.8 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	14 U	1.9 U	1.9 U	1.8 U
60-57-1	Dieldrin	ug/Kg	26 JN	3.6 U	3.7 U	3.6 U
1031-07-8	Endosulfan Sulfate	ug/Kg	27 U	3.6 U	3.7 U	3.6 U
72-20-8	Endrin	ug/Kg	27 U	3.6 U	3.7 U	3.6 U
7421-93-4	Endrin Aldehyde	ug/Kg	27 U	3.6 U	3.7 U	3.6 U
53494-70-5	Endrin Ketone	ug/Kg	27 U	3.6 U	3.7 U	3.6 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	31 JN	1.9 U	1.9 U	1.8 U
76-44-8	Heptachlor	ug/Kg	62 J	1.9 U	1.9 U	1.8 U
1024-57-3	Heptachlor Epoxide	ug/Kg	14 U	1.9 U	1.9 U	1.8 U
72-43-5	Methoxychlor	ug/Kg	140 U	19 U	19 U	18 U
72-54-8	P,P'-DDD	ug/Kg	15 JN	3.6 U	3.7 U	3.6 U
72-55-9	P,P'-DDE	ug/Kg	19 JN	3.6 U	3.7 U	3.6 U
50-29-3	P,P'-DDT	ug/Kg	60	5.2	3.7 U	3.6 U
8001-35-2	Toxaphene	ug/Kg	1400 U	190 U	190 U	180 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	270 U	36 U	37 U	36 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	270 U	36 U	37 U	36 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	270 U	36 U	37 U	36 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	270 U	36 U	37 U	36 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	970 J	36 U	37 U	36 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	270 U	65	37 U	36 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	270 U	36 U	37 U	36 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	270 U	36 U	37 U	36 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	270 U	36 U	37 U	36 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	27 U	3.6 U	3.7 U	3.6 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	7590	4310	6220	6040
7440-36-0	Antimony	mg/Kg	3.2	0.59 J	0.35 J	1.3
7440-38-2	Arsenic	mg/Kg	4.3	3	6.5	7
7440-39-3	Barium	mg/Kg	1340	159	363	288
7440-41-7	Beryllium	mg/Kg	0.49	0.22 J	0.23	0.14 J
7440-43-9	Cadmium	mg/Kg	4.3	0.51	1.1	1.4
7440-70-2	Calcium	mg/Kg	7660	3240	5040	4960
16065-83-1	Chromium Iii	mg/Kg	30	16	10	13
18540-29-9	Chromium, Hexavalent	mg/Kg	6.5 U	4.1 U	4.3 U	4.2 U
7440-47-3	Chromium, Total	mg/Kg	29.8	16.3	10.1	13.1
7440-48-4	Cobalt	mg/Kg	19.5	12.3	16.9	17.8
7440-50-8	Copper	mg/Kg	191	71.2	121	121
7439-89-6	Iron	mg/Kg	69900	44100	56600	61500
7439-92-1	Lead	mg/Kg	460	49.8	20	24.8
7439-95-4	Magnesium	mg/Kg	6390	3030	2860	2480
7439-96-5	Manganese	mg/Kg	405	301	419	399
7439-97-6	Mercury	mg/Kg	0.093	0.0083 J	0.066	0.0089 J
7440-02-0	Nickel	mg/Kg	34.5	12.5	19.2	20.3
7440-09-7	Potassium	mg/Kg	1800	1550	1290	1200
7782-49-2	Selenium	mg/Kg	0.97 U	2	0.97 J	1.6
7440-22-4	Silver	mg/Kg	0.24 J	0.065 U	0.16 J	0.2 J
7440-23-5	Sodium	mg/Kg	175	28 J	28.9 J	17.8 J
7440-28-0	Thallium	mg/Kg	1.4 J	0.22 U	0.19 U	0.16 U
7440-62-2	Vanadium	mg/Kg	60.5	40.7	48.2	42.2
7440-66-6	Zinc	mg/Kg	286	39.4	59.5	53
57-12-5	Cyanide	mg/Kg	0.564 U	0.556 U	0.513 U	0.463 U
	OTHER					
MOIST	Moisture, Percent	%	39	8.6	11	8.5

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-04 PSS-04_2015-9-22 P1443-04 MITKEM P1443 SOIL 9/22/2015 11:15 12/21/2015	PSS-05 PSS-05_2015-9-22 P1443-05 MITKEM P1443 SOIL 9/22/2015 11:45 12/21/2015	PSS-06 PSS-06_2015-9-23 P1443-19 MITKEM P1443 SOIL 9/23/2015 9:50 12/21/2015	PSS-07 PSS-07_2015-9-23 P1443-20 MITKEM P1443 SOIL 9/23/2015 10:15 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-34-3	1,1-Dichloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-35-4	1,1-Dichloroethene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
563-58-6	1,1-Dichloropropene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
107-06-2	1,2-Dichloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
78-87-5	1,2-Dichloropropane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
142-28-9	1,3-Dichloropropane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	140 UJ	120 UJ	71 UJ	48 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
95-49-8	2-Chlorotoluene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
591-78-6	2-Hexanone	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
106-43-4	4-Chlorotoluene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
67-64-1	Acetone	ug/Kg	50	32	3.6 U	2.4 U
71-43-2	Benzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
108-86-1	Bromobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
74-97-5	Bromochloromethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-27-4	Bromodichloromethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-25-2	Bromoform	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
74-83-9	Bromomethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-15-0	Carbon Disulfide	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
56-23-5	Carbon Tetrachloride	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
108-90-7	Chlorobenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-00-3	Chloroethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
67-66-3	Chloroform	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
74-87-3	Chloromethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
99-87-6	Cymene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
124-48-1	Dibromochloromethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
74-95-3	Dibromomethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-71-8	Dichlorodifluoromethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
1330-20-7	Xylenes	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
100-41-4	Ethylbenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
179601-23-1	m,p-Xylene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-09-2	Methylene Chloride	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
104-51-8	N-Butylbenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
103-65-1	N-Propylbenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
135-98-8	Sec-Butylbenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
100-42-5	Styrene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
98-06-6	T-Butylbenzene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	14 U	12 U	7.1 U	4.8 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
108-88-3	Toluene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	6.9 UJ	5.8 UJ	3.6 UJ	2.4 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
108-05-4	Vinyl Acetate	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U
75-01-4	Vinyl Chloride	ug/Kg	6.9 U	5.8 U	3.6 U	2.4 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-04 PSS-04_2015-9-22 P1443-04 MITKEM P1443 SOIL 9/22/2015 11:15 12/21/2015	PSS-05 PSS-05_2015-9-22 P1443-05 MITKEM P1443 SOIL 9/22/2015 11:45 12/21/2015	PSS-06 PSS-06_2015-9-23 P1443-19 MITKEM P1443 SOIL 9/23/2015 9:50 12/21/2015	PSS-07 PSS-07_2015-9-23 P1443-20 MITKEM P1443 SOIL 9/23/2015 10:15 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	800 U	760 U	680 U	690 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	390 U	380 U	330 U	340 U
120-83-2	2,4-Dichlorophenol	ug/Kg	390 U	380 U	330 U	340 U
105-67-9	2,4-Dimethylphenol	ug/Kg	390 U	380 U	330 U	340 U
51-28-5	2,4-Dinitrophenol	ug/Kg	800 UJ	760 UJ	680 U	690 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	390 U	380 U	330 U	340 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	390 U	380 U	330 U	340 U
91-58-7	2-Chloronaphthalene	ug/Kg	390 U	380 U	330 U	340 U
95-57-8	2-Chlorophenol	ug/Kg	390 U	380 U	330 U	340 U
91-57-6	2-Methylnaphthalene	ug/Kg	390 U	380 U	330 U	340 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	390 U	380 U	330 U	340 U
88-74-4	2-Nitroaniline	ug/Kg	800 U	760 U	680 U	690 U
88-75-5	2-Nitrophenol	ug/Kg	390 U	380 U	330 U	340 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	390 U	380 U	330 U	340 U
99-09-2	3-Nitroaniline	ug/Kg	800 U	760 U	680 U	690 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	800 U	760 U	680 U	690 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	390 U	380 U	330 U	340 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	390 U	380 U	330 U	340 U
106-47-8	4-Chloroaniline	ug/Kg	390 U	380 U	330 U	340 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	390 U	380 U	330 U	340 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	390 U	380 U	330 U	340 U
100-01-6	4-Nitroaniline	ug/Kg	800 U	760 U	680 U	690 U
100-02-7	4-Nitrophenol	ug/Kg	800 U	760 U	680 U	690 U
83-32-9	Acenaphthene	ug/Kg	390 U	380 U	330 U	340 U
208-96-8	Acenaphthylene	ug/Kg	390 U	380 U	330 U	340 U
120-12-7	Anthracene	ug/Kg	390 U	380 U	330 U	340 U
56-55-3	Benzo(A)Anthracene	ug/Kg	390 U	380 U	330 U	340 U
50-32-8	Benzo(A)Pyrene	ug/Kg	390 U	380 U	330 U	340 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	390 U	380 U	330 U	340 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	390 U	380 U	330 U	340 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	390 U	380 U	330 U	340 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	390 U	380 U	330 U	340 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	390 U	380 U	330 U	340 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	390 U	380 U	330 U	340 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	390 U	380 U	330 U	340 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	390 U	380 U	330 U	340 U
86-74-8	Carbazole	ug/Kg	390 U	380 U	330 U	340 U
218-01-9	Chrysene	ug/Kg	390 U	380 U	330 U	340 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	390 U	380 U	330 U	340 U
132-64-9	Dibenzofuran	ug/Kg	390 U	380 U	330 U	340 U
84-66-2	Diethyl Phthalate	ug/Kg	390 U	380 U	330 U	340 U
131-11-3	Dimethyl Phthalate	ug/Kg	220 J	100 J	330 U	99 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	390 U	380 U	330 U	340 U
117-84-0	Di-N-Octylphthalate	ug/Kg	390 U	380 U	330 U	340 U
206-44-0	Fluoranthene	ug/Kg	390 U	380 U	330 U	340 U
86-73-7	Fluorene	ug/Kg	390 U	380 U	330 U	340 U
118-74-1	Hexachlorobenzene	ug/Kg	390 U	380 U	330 U	340 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	390 U	380 U	330 U	340 U
67-72-1	Hexachloroethane	ug/Kg	390 U	380 U	330 U	340 U
87-68-3	Hexachlorobutadiene	ug/Kg	390 U	380 U	330 U	340 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	390 U	380 U	330 U	340 U
78-59-1	Isophorone	ug/Kg	390 U	380 U	330 U	340 U
91-20-3	Naphthalene	ug/Kg	390 U	380 U	330 U	340 U
98-95-3	Nitrobenzene	ug/Kg	390 U	380 U	330 U	340 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	390 U	380 U	330 U	340 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	390 U	380 U	330 U	340 U
87-86-5	Pentachlorophenol	ug/Kg	800 U	760 U	680 UJ	690 UJ
85-01-8	Phenanthrene	ug/Kg	390 U	380 U	330 U	340 U
108-95-2	Phenol	ug/Kg	390 U	380 U	330 U	340 U
129-00-0	Pyrene	ug/Kg	390 U	380 U	330 U	340 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-04 PSS-04_2015-9-22 P1443-04 MITKEM P1443 SOIL 9/22/2015 11:15 12/21/2015	PSS-05 PSS-05_2015-9-22 P1443-05 MITKEM P1443 SOIL 9/22/2015 11:45 12/21/2015	PSS-06 PSS-06_2015-9-23 P1443-19 MITKEM P1443 SOIL 9/23/2015 9:50 12/21/2015	PSS-07 PSS-07_2015-9-23 P1443-20 MITKEM P1443 SOIL 9/23/2015 10:15 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
959-98-8	Alpha Endosulfan	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
5103-71-9	cis-Chlordane	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
33213-65-9	Beta Endosulfan	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
5103-74-2	trans-Chlordane	ug/Kg	1.2 JN	1.9 U	1.8 U	1.8 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
60-57-1	Dieldrin	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
1031-07-8	Endosulfan Sulfate	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
72-20-8	Endrin	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
53494-70-5	Endrin Ketone	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
76-44-8	Heptachlor	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
1024-57-3	Heptachlor Epoxide	ug/Kg	2 U	1.9 U	1.8 U	1.8 U
72-43-5	Methoxychlor	ug/Kg	20 U	19 U	18 U	18 U
72-54-8	P,P'-DDD	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
72-55-9	P,P'-DDE	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
50-29-3	P,P'-DDT	ug/Kg	1.6 JN	3.8	3.4 U	3.4 U
8001-35-2	Toxaphene	ug/Kg	200 U	190 U	180 U	180 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	39 U	38 U	34 U	34 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	39 U	38 U	34 U	34 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	39 U	38 U	34 U	34 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	39 U	38 U	34 U	34 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	39 U	38 U	34 U	34 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	39 U	38 U	34 U	34 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	39 U	38 U	34 U	34 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	39 U	38 U	34 U	34 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	39 U	38 U	34 U	34 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.9 U	3.8 U	3.4 U	3.4 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	6110	4740	5450	3170
7440-36-0	Antimony	mg/Kg	0.57 J	0.33 U	0.47 J	0.37 U
7440-38-2	Arsenic	mg/Kg	6.2	5.2	2	3.9
7440-39-3	Barium	mg/Kg	365	396	81.6	186
7440-41-7	Beryllium	mg/Kg	0.13 J	0.3	0.34	0.072 J
7440-43-9	Cadmium	mg/Kg	1.3	0.48	1.4	0.92
7440-70-2	Calcium	mg/Kg	5540	3240	2970	
16065-83-1	Chromium Iii	mg/Kg	13	15	13	8.8
18540-29-9	Chromium, Hexavalent	mg/Kg	4.7 U	4.4 U	4.2 U	4 U
7440-47-3	Chromium, Total	mg/Kg	13.2	14.7	13.4	8.8
7440-48-4	Cobalt	mg/Kg	14.5	12.8	15.2	13.7
7440-50-8	Copper	mg/Kg	155	79.9	63.3	46.2
7439-89-6	Iron	mg/Kg	60600	39900	80400	59300
7439-92-1	Lead	mg/Kg	101	21.8	3.7	2.8
7439-95-4	Magnesium	mg/Kg	3190	2480	3110	1080
7439-96-5	Manganese	mg/Kg	377	373	380	229
7439-97-6	Mercury	mg/Kg	0.035 J	0.027 J	0.0025 U	0.0064 J
7440-02-0	Nickel	mg/Kg	15.2	42.9	17.3	13.7
7440-09-7	Potassium	mg/Kg	1600	1050	547	347
7782-49-2	Selenium	mg/Kg	2.6	0.98 J	1.8	2.1
7440-22-4	Silver	mg/Kg	0.35 J	0.066 J	0.098 J	0.17 J
7440-23-5	Sodium	mg/Kg	23.2 J	27.7 J	7.4 J	7.1 J
7440-28-0	Thallium	mg/Kg	0.26 J	0.19 U	0.3 J	0.22 U
7440-62-2	Vanadium	mg/Kg	45.7	31.2	70.3	44.9
7440-66-6	Zinc	mg/Kg	167	47.5	36.1	25.7
57-12-5	Cyanide	mg/Kg	0.463 U	0.5 U	0.474 U	0.448 U
	OTHER					
MOIST	Moisture, Percent	%	16	13	4.2	3.2

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-08 PSS-08_2015-9-23 P1443-18 MITKEM P1443 SOIL 9/23/2015 9:40 12/21/2015	PSS-09 PSS09_2015-9-23 P1443-16 MITKEM P1443 SOIL 9/23/2015 9:00 12/21/2015	PSS-11 PSS-11_2015-9-23 P1443-17 MITKEM P1443 SOIL 9/23/2015 9:05 12/21/2015	PSS-12 PSS-12_2015-9-24 P1444-13 MITKEM P1444 SOIL 9/24/2015 11:35 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-34-3	1,1-Dichloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-35-4	1,1-Dichloroethene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
563-58-6	1,1-Dichloropropene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
107-06-2	1,2-Dichloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
78-87-5	1,2-Dichloropropane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
142-28-9	1,3-Dichloropropane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	53 UJ	58 UJ	69 UJ	75 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
95-49-8	2-Chlorotoluene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
591-78-6	2-Hexanone	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
106-43-4	4-Chlorotoluene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
67-64-1	Acetone	ug/Kg	55	2.2 J	32	3.7 U
71-43-2	Benzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
108-86-1	Bromobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
74-97-5	Bromochloromethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-27-4	Bromodichloromethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-25-2	Bromoform	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
74-83-9	Bromomethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-15-0	Carbon Disulfide	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
56-23-5	Carbon Tetrachloride	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
108-90-7	Chlorobenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-00-3	Chloroethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
67-66-3	Chloroform	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
74-87-3	Chloromethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
99-87-6	Cymene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
124-48-1	Dibromochloromethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
74-95-3	Dibromomethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-71-8	Dichlorodifluoromethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
1330-20-7	Xylenes	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
100-41-4	Ethylbenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
179601-23-1	m,p-Xylene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-09-2	Methylene Chloride	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
104-51-8	N-Butylbenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
103-65-1	N-Propylbenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
135-98-8	Sec-Butylbenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
100-42-5	Styrene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
98-06-6	T-Butylbenzene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	5.3 U	5.8 U	6.9 U	7.5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
108-88-3	Toluene	ug/Kg	1.2 J	2.9 U	3.4 U	3.7 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	2.7 UJ	2.9 UJ	3.4 UJ	3.7 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
108-05-4	Vinyl Acetate	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U
75-01-4	Vinyl Chloride	ug/Kg	2.7 U	2.9 U	3.4 U	3.7 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-08 PSS-08_2015-9-23 P1443-18 MITKEM P1443 SOIL 9/23/2015 9:40 12/21/2015	PSS-09 PSS09_2015-9-23 P1443-16 MITKEM P1443 SOIL 9/23/2015 9:00 12/21/2015	PSS-11 PSS-11_2015-9-23 P1443-17 MITKEM P1443 SOIL 9/23/2015 9:05 12/21/2015	PSS-12 PSS-12_2015-9-24 P1444-13 MITKEM P1444 SOIL 9/24/2015 11:35 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	680 U	710 U	710 U	690 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	340 U	350 U	350 U	340 U
120-83-2	2,4-Dichlorophenol	ug/Kg	340 U	350 U	350 U	340 U
105-67-9	2,4-Dimethylphenol	ug/Kg	340 U	350 U	350 U	340 U
51-28-5	2,4-Dinitrophenol	ug/Kg	680 U	710 U	710 U	690 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	340 U	350 U	350 U	340 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	340 U	350 U	350 U	340 U
91-58-7	2-Chloronaphthalene	ug/Kg	340 U	350 U	350 U	340 U
95-57-8	2-Chlorophenol	ug/Kg	340 U	350 U	350 U	340 U
91-57-6	2-Methylnaphthalene	ug/Kg	340 U	350 U	350 U	340 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	340 U	350 U	350 U	340 U
88-74-4	2-Nitroaniline	ug/Kg	680 U	710 U	710 U	690 U
88-75-5	2-Nitrophenol	ug/Kg	340 U	350 U	350 U	340 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	340 U	350 U	350 U	340 U
99-09-2	3-Nitroaniline	ug/Kg	680 U	710 U	710 U	690 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	680 U	710 U	710 U	690 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	340 U	350 U	350 U	340 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	340 U	350 U	350 U	340 U
106-47-8	4-Chloroaniline	ug/Kg	340 U	350 U	350 U	340 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	340 U	350 U	350 U	340 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	340 U	350 U	350 U	340 U
100-01-6	4-Nitroaniline	ug/Kg	680 U	710 U	710 U	690 U
100-02-7	4-Nitrophenol	ug/Kg	680 U	710 U	710 U	690 U
83-32-9	Acenaphthene	ug/Kg	340 U	350 U	350 U	340 U
208-96-8	Acenaphthylene	ug/Kg	340 U	350 U	350 U	340 U
120-12-7	Anthracene	ug/Kg	340 U	350 U	350 U	340 U
56-55-3	Benzo(A)Anthracene	ug/Kg	340 U	350 U	350 U	340 U
50-32-8	Benzo(A)Pyrene	ug/Kg	340 U	350 U	350 U	340 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	340 U	350 U	350 U	340 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	340 U	350 U	350 U	340 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	340 U	350 U	350 U	340 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	340 U	350 U	350 U	340 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	340 U	350 U	350 U	340 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	340 U	350 U	350 U	340 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	340 U	350 U	350 U	340 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	340 U	350 U	350 U	340 U
86-74-8	Carbazole	ug/Kg	340 U	350 U	350 U	340 U
218-01-9	Chrysene	ug/Kg	340 U	350 U	350 U	340 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	340 U	350 U	350 U	340 U
132-64-9	Dibenzofuran	ug/Kg	340 U	350 U	350 U	340 U
84-66-2	Diethyl Phthalate	ug/Kg	340 U	350 U	350 U	340 U
131-11-3	Dimethyl Phthalate	ug/Kg	120 J	350 U	150 J	200 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	340 U	350 U	350 U	340 U
117-84-0	Di-N-Octylphthalate	ug/Kg	340 U	350 U	350 U	340 U
206-44-0	Fluoranthene	ug/Kg	340 U	350 U	350 U	340 U
86-73-7	Fluorene	ug/Kg	340 U	350 U	350 U	340 U
118-74-1	Hexachlorobenzene	ug/Kg	340 U	350 U	350 U	340 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	340 U	350 U	350 U	340 U
67-72-1	Hexachloroethane	ug/Kg	340 U	350 U	350 U	340 U
87-68-3	Hexachlorobutadiene	ug/Kg	340 U	350 U	350 U	340 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	340 U	350 U	350 U	340 U
78-59-1	Isophorone	ug/Kg	340 U	350 U	350 U	340 U
91-20-3	Naphthalene	ug/Kg	340 U	350 U	350 U	340 U
98-95-3	Nitrobenzene	ug/Kg	340 U	350 U	350 U	340 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	340 U	350 U	350 U	340 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	340 U	350 U	350 U	340 U
87-86-5	Pentachlorophenol	ug/Kg	680 UJ	710 UJ	710 UJ	690 UJ
85-01-8	Phenanthrene	ug/Kg	340 U	350 U	350 U	340 U
108-95-2	Phenol	ug/Kg	340 U	350 U	350 U	340 U
129-00-0	Pyrene	ug/Kg	340 U	350 U	350 U	340 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-08 PSS-08_2015-9-23 P1443-18 MITKEM P1443 SOIL 9/23/2015 9:40 12/21/2015	PSS-09 PSS09_2015-9-23 P1443-16 MITKEM P1443 SOIL 9/23/2015 9:00 12/21/2015	PSS-11 PSS-11_2015-9-23 P1443-17 MITKEM P1443 SOIL 9/23/2015 9:05 12/21/2015	PSS-12 PSS-12_2015-9-24 P1444-13 MITKEM P1444 SOIL 9/24/2015 11:35 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
959-98-8	Alpha Endosulfan	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
5103-71-9	cis-Chlordane	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
33213-65-9	Beta Endosulfan	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
5103-74-2	trans-Chlordane	ug/Kg	2.1 JN	1.8 U	1.8 U	1.7 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	1.5 J	1.8 U	0.89 J	1.7 U
60-57-1	Dieldrin	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
1031-07-8	Endosulfan Sulfate	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
72-20-8	Endrin	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
53494-70-5	Endrin Ketone	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
76-44-8	Heptachlor	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
1024-57-3	Heptachlor Epoxide	ug/Kg	1.7 U	1.8 U	1.8 U	1.7 U
72-43-5	Methoxychlor	ug/Kg	17 U	18 U	18 U	17 U
72-54-8	P,P'-DDD	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
72-55-9	P,P'-DDE	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
50-29-3	P,P'-DDT	ug/Kg	3.4 U	3.5 U	3.5 U	2
8001-35-2	Toxaphene	ug/Kg	170 U	180 U	180 U	170 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	34 U	35 U	35 U	34 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	34 U	35 U	35 U	34 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	34 U	35 U	35 U	34 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	34 U	35 U	35 U	34 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	34 U	35 U	35 U	34 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	34 U	35 U	35 U	34 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	34 U	35 U	35 U	34 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	34 U	35 U	35 U	34 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	34 U	35 U	35 U	34 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.4 U	3.5 U	3.5 U	3.4 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	3500	3400	2580	1840
7440-36-0	Antimony	mg/Kg	0.33 U	0.29 UJ	0.32 U	0.33 U
7440-38-2	Arsenic	mg/Kg	0.85 J	0.32 U	1.8	1.9
7440-39-3	Barium	mg/Kg	64.8	38.9	58.8	44.3
7440-41-7	Beryllium	mg/Kg	0.11 J	0.1 J	0.078 J	0.13 J
7440-43-9	Cadmium	mg/Kg	1.9	3	1	0.19 J
7440-70-2	Calcium	mg/Kg	3380	2820 J	3060	1550
16065-83-1	Chromium Iii	mg/Kg	12	14	8.2	4.3
18540-29-9	Chromium, Hexavalent	mg/Kg	4.2 U	4.3 U	4.1 U	4.1 U
7440-47-3	Chromium, Total	mg/Kg	11.7	13.7	8.2	4.3
7440-48-4	Cobalt	mg/Kg	13.2	11.7	14	5.7
7440-50-8	Copper	mg/Kg	33.2	44.8	35.1	19.8
7439-89-6	Iron	mg/Kg	88500	109000	65100	20400
7439-92-1	Lead	mg/Kg	3.8	2.6 J	4.9	9.5
7439-95-4	Magnesium	mg/Kg	942	763	849	556
7439-96-5	Manganese	mg/Kg	348	289	214	103
7439-97-6	Mercury	mg/Kg	0.0045 J	0.0024 U	0.0054 J	0.0054 J
7440-02-0	Nickel	mg/Kg	16.2	15.6	12.3	7.1
7440-09-7	Potassium	mg/Kg	198	105	305	194
7782-49-2	Selenium	mg/Kg	1.3	0.51 J	2.2	0.72 J
7440-22-4	Silver	mg/Kg	0.25 J	0.18 J	0.14 J	0.056 U
7440-23-5	Sodium	mg/Kg	1.1 J	0.85 U	2.9 J	10.3 J
7440-28-0	Thallium	mg/Kg	0.19 U	0.2 J	0.32 J	0.6 J
7440-62-2	Vanadium	mg/Kg	83.4	105	57.7	20.6
7440-66-6	Zinc	mg/Kg	31.6	21.3 J	26.3	23.2
57-12-5	Cyanide	mg/Kg	0.526 U	0.504 UJ	0.504 U	0.476 U
	OTHER					
MOIST	Moisture, Percent	%	4.3	6.4	5.3	2.9

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-13 PSS-13_2015-9-24 P1444-09 MITKEM P1444 SOIL 9/24/2015 9:30 12/21/2015	PSS-14 PSS-14_2015-9-24 P1444-10 MITKEM P1444 SOIL 9/24/2015 9:50 12/21/2015	PSS-15 PSS-15_2015-9-24 P1444-12 MITKEM P1444 SOIL 9/24/2015 11:10 12/21/2015	PSS-16 PSS-16_2015-9-24 P1444-11 MITKEM P1444 SOIL 9/24/2015 10:20 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-34-3	1,1-Dichloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-35-4	1,1-Dichloroethene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
563-58-6	1,1-Dichloropropene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
107-06-2	1,2-Dichloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
78-87-5	1,2-Dichloropropane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
142-28-9	1,3-Dichloropropane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	70 UJ	92 UJ	57 UJ	89 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
95-49-8	2-Chlorotoluene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
591-78-6	2-Hexanone	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
106-43-4	4-Chlorotoluene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
67-64-1	Acetone	ug/Kg	3.8	92	15	7.3
71-43-2	Benzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
108-86-1	Bromobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
74-97-5	Bromochloromethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-27-4	Bromodichloromethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-25-2	Bromoform	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
74-83-9	Bromomethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-15-0	Carbon Disulfide	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
56-23-5	Carbon Tetrachloride	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
108-90-7	Chlorobenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-00-3	Chloroethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
67-66-3	Chloroform	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
74-87-3	Chloromethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
99-87-6	Cymene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
124-48-1	Dibromochloromethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
74-95-3	Dibromomethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-71-8	Dichlorodifluoromethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
1330-20-7	Xylenes	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
100-41-4	Ethylbenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
179601-23-1	m,p-Xylene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	3.5 U	6.7	2.9 U	4.4 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-09-2	Methylene Chloride	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
104-51-8	N-Butylbenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
103-65-1	N-Propylbenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
135-98-8	Sec-Butylbenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
100-42-5	Styrene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
98-06-6	T-Butylbenzene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	7 U	9.2 U	5.7 U	8.9 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
108-88-3	Toluene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	3.5 UJ	4.6 UJ	2.9 UJ	4.4 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
108-05-4	Vinyl Acetate	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U
75-01-4	Vinyl Chloride	ug/Kg	3.5 U	4.6 U	2.9 U	4.4 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-13 PSS-13_2015-9-24 P1444-09 MITKEM P1444 SOIL 9/24/2015 9:30 12/21/2015	PSS-14 PSS-14_2015-9-24 P1444-10 MITKEM P1444 SOIL 9/24/2015 9:50 12/21/2015	PSS-15 PSS-15_2015-9-24 P1444-12 MITKEM P1444 SOIL 9/24/2015 11:10 12/21/2015	PSS-16 PSS-16_2015-9-24 P1444-11 MITKEM P1444 SOIL 9/24/2015 10:20 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	690 U	700 U	700 U	730 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	340 U	350 U	350 U	360 U
120-83-2	2,4-Dichlorophenol	ug/Kg	340 U	350 U	350 U	360 U
105-67-9	2,4-Dimethylphenol	ug/Kg	340 U	350 U	350 U	360 U
51-28-5	2,4-Dinitrophenol	ug/Kg	690 U	700 U	700 U	730 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	340 U	350 U	350 U	360 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	340 U	350 U	350 U	360 U
91-58-7	2-Chloronaphthalene	ug/Kg	340 U	350 U	350 U	360 U
95-57-8	2-Chlorophenol	ug/Kg	340 U	350 U	350 U	360 U
91-57-6	2-Methylnaphthalene	ug/Kg	340 U	350 U	350 U	360 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	340 U	350 U	350 U	360 U
88-74-4	2-Nitroaniline	ug/Kg	690 U	700 U	700 U	730 U
88-75-5	2-Nitrophenol	ug/Kg	340 U	350 U	350 U	360 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	340 U	350 U	350 U	360 U
99-09-2	3-Nitroaniline	ug/Kg	690 U	700 U	700 U	730 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	690 U	700 U	700 U	730 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	340 U	350 U	350 U	360 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	340 U	350 U	350 U	360 U
106-47-8	4-Chloroaniline	ug/Kg	340 U	350 U	350 U	360 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	340 U	350 U	350 U	360 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	340 U	350 U	350 U	360 U
100-01-6	4-Nitroaniline	ug/Kg	690 U	700 U	700 U	730 U
100-02-7	4-Nitrophenol	ug/Kg	690 U	700 U	700 U	730 U
83-32-9	Acenaphthene	ug/Kg	340 U	350 U	350 U	630
208-96-8	Acenaphthylene	ug/Kg	340 U	350 U	350 U	240 J
120-12-7	Anthracene	ug/Kg	340 U	350 U	350 U	1800
56-55-3	Benzo(A)Anthracene	ug/Kg	340 U	120 J	350 U	5900
50-32-8	Benzo(A)Pyrene	ug/Kg	340 U	110 J	350 U	6200
205-99-2	Benzo(B)Fluoranthene	ug/Kg	340 U	210 J	350 U	7000
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	340 U	350 U	350 U	4000
207-08-9	Benzo(K)Fluoranthene	ug/Kg	340 U	86 J	350 U	3100
85-68-7	Benzyl Butyl Phthalate	ug/Kg	340 U	350 U	350 U	88 J
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	340 U	350 U	350 U	360 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	340 U	350 U	350 U	360 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	340 U	350 U	350 U	360 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	340 U	270 J	350 U	360 U
86-74-8	Carbazole	ug/Kg	340 U	350 U	350 U	850
218-01-9	Chrysene	ug/Kg	340 U	180 J	350 U	5800
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	340 U	350 U	350 U	1000
132-64-9	Dibenzofuran	ug/Kg	340 U	350 U	350 U	380
84-66-2	Diethyl Phthalate	ug/Kg	340 U	350 U	350 U	360 U
131-11-3	Dimethyl Phthalate	ug/Kg	170 J	300 J	140 J	330 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	340 U	350 U	350 U	360 U
117-84-0	Di-N-Octylphthalate	ug/Kg	340 U	350 U	350 U	360 U
206-44-0	Fluoranthene	ug/Kg	340 U	240 J	350 U	9300
86-73-7	Fluorene	ug/Kg	340 U	350 U	350 U	610
118-74-1	Hexachlorobenzene	ug/Kg	340 U	350 U	350 U	360 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	340 U	350 U	350 U	360 U
67-72-1	Hexachloroethane	ug/Kg	340 U	350 U	350 U	360 U
87-68-3	Hexachlorobutadiene	ug/Kg	340 U	350 U	350 U	360 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	340 U	77 J	350 U	5300
78-59-1	Isophorone	ug/Kg	340 U	350 U	350 U	360 U
91-20-3	Naphthalene	ug/Kg	340 U	350 U	350 U	130 J
98-95-3	Nitrobenzene	ug/Kg	340 U	350 U	350 U	360 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	340 U	350 U	350 U	360 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	340 U	350 U	350 U	360 U
87-86-5	Pentachlorophenol	ug/Kg	690 UJ	700 UJ	700 UJ	730 UJ
85-01-8	Phenanthrene	ug/Kg	340 U	100 J	350 U	5300
108-95-2	Phenol	ug/Kg	340 U	350 U	350 U	360 U
129-00-0	Pyrene	ug/Kg	340 U	240 J	350 U	7700

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-13 PSS-13_2015-9-24 P1444-09 MITKEM P1444 SOIL 9/24/2015 9:30 12/21/2015	PSS-14 PSS-14_2015-9-24 P1444-10 MITKEM P1444 SOIL 9/24/2015 9:50 12/21/2015	PSS-15 PSS-15_2015-9-24 P1444-12 MITKEM P1444 SOIL 9/24/2015 11:10 12/21/2015	PSS-16 PSS-16_2015-9-24 P1444-11 MITKEM P1444 SOIL 9/24/2015 10:20 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
959-98-8	Alpha Endosulfan	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
5103-71-9	cis-Chlordane	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
33213-65-9	Beta Endosulfan	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
5103-74-2	trans-Chlordane	ug/Kg	1.8 U	2.6 JN	1 JN	3.7 J
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
60-57-1	Dieldrin	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
1031-07-8	Endosulfan Sulfate	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
72-20-8	Endrin	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
53494-70-5	Endrin Ketone	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
76-44-8	Heptachlor	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
1024-57-3	Heptachlor Epoxide	ug/Kg	1.8 U	1.8 U	1.8 U	1.8 U
72-43-5	Methoxychlor	ug/Kg	18 U	18 U	18 U	18 U
72-54-8	P,P'-DDD	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
72-55-9	P,P'-DDE	ug/Kg	3.5 U	3.5 U	3.5 U	3.6 U
50-29-3	P,P'-DDT	ug/Kg	3.5 U	3	3.5 U	6.1
8001-35-2	Toxaphene	ug/Kg	180 U	180 U	180 U	180 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	34 U	35 U	35 U	36 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	34 U	35 U	35 U	36 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	34 U	35 U	35 U	36 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	34 U	35 U	35 U	36 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	34 U	35 U	35 U	36 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	34 U	35 U	35 U	36 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	34 U	35 U	35 U	36 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	34 U	35 U	35 U	36 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	34 U	35 U	35 U	36 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.5 U	3.4 U	3.5 U	3.6 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	2960	2270	2980	2330
7440-36-0	Antimony	mg/Kg	0.37 U	0.34 U	0.27 U	0.36 U
7440-38-2	Arsenic	mg/Kg	0.94 J	2.8	0.8	4.8
7440-39-3	Barium	mg/Kg	37.8	30.5	28.9	123
7440-41-7	Beryllium	mg/Kg	0.16 J	0.16 J	0.16 J	0.16 J
7440-43-9	Cadmium	mg/Kg	0.68	0.19 J	0.79	0.66
7440-70-2	Calcium	mg/Kg	1960	1540	1980	2460
16065-83-1	Chromium Iii	mg/Kg	10	5.3	11	13
18540-29-9	Chromium, Hexavalent	mg/Kg	4.2 U	4.2 U	4.2 U	4.3 U
7440-47-3	Chromium, Total	mg/Kg	10.2	5.3	11.3	13.4
7440-48-4	Cobalt	mg/Kg	8.4	7.9	10.4	15.6
7440-50-8	Copper	mg/Kg	42.5	27	76.2	57.7
7439-89-6	Iron	mg/Kg	55500	27800	54000	49300
7439-92-1	Lead	mg/Kg	4.6	13.8	5.8	23.6
7439-95-4	Magnesium	mg/Kg	635	574	708	497
7439-96-5	Manganese	mg/Kg	164	157	189	267
7439-97-6	Mercury	mg/Kg	0.0049 J	0.0079 J	0.0046 J	0.012 J
7440-02-0	Nickel	mg/Kg	10.3	7.8	12	16.8
7440-09-7	Potassium	mg/Kg	250	209	252	317
7782-49-2	Selenium	mg/Kg	0.63 U	0.58 U	0.45 U	0.61 U
7440-22-4	Silver	mg/Kg	0.093 J	0.058 U	0.19 J	0.17 J
7440-23-5	Sodium	mg/Kg	9.5 J	11.6 J	8.2 J	9.8 J
7440-28-0	Thallium	mg/Kg	1.3	0.39 J	1.7	1.8
7440-62-2	Vanadium	mg/Kg	48.7	23.3	49.6	46.8
7440-66-6	Zinc	mg/Kg	18.9	31.1	19.4	39.8
57-12-5	Cyanide	mg/Kg	0.421 U	0.44 U	0.488 U	0.521 U
	OTHER					
MOIST	Moisture, Percent	%	4.9	4.5	4.9	7.6

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-17 PSS-17_2015-9-24 P1444-08 MITKEM P1444 SOIL 9/24/2015 7:55 12/21/2015	PSS-18 PSS-18_2015-9-22 P1443-15 MITKEM P1443 SOIL 9/22/2015 16:05 12/21/2015	PSS-19 PSS-19_2015-9-22 P1443-14 MITKEM P1443 SOIL 9/22/2015 15:46 12/21/2015	PSS-20 PSS-20_2015-9-22 P1443-13 MITKEM P1443 SOIL 9/22/2015 15:20 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-34-3	1,1-Dichloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-35-4	1,1-Dichloroethene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
563-58-6	1,1-Dichloropropene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
107-06-2	1,2-Dichloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
78-87-5	1,2-Dichloropropane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
142-28-9	1,3-Dichloropropane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	69 UJ	61 UJ	66 UJ	60 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
95-49-8	2-Chlorotoluene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
591-78-6	2-Hexanone	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
106-43-4	4-Chlorotoluene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
67-64-1	Acetone	ug/Kg	3.4 U	3.1 U	3.3 U	24
71-43-2	Benzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
108-86-1	Bromobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
74-97-5	Bromochloromethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-27-4	Bromodichloromethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-25-2	Bromoform	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
74-83-9	Bromomethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-15-0	Carbon Disulfide	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
56-23-5	Carbon Tetrachloride	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
108-90-7	Chlorobenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-00-3	Chloroethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
67-66-3	Chloroform	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
74-87-3	Chloromethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
99-87-6	Cymene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
124-48-1	Dibromochloromethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
74-95-3	Dibromomethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-71-8	Dichlorodifluoromethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
1330-20-7	Xylenes	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
100-41-4	Ethylbenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
179601-23-1	m,p-Xylene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-09-2	Methylene Chloride	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
104-51-8	N-Butylbenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
103-65-1	N-Propylbenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
135-98-8	Sec-Butylbenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
100-42-5	Styrene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
98-06-6	T-Butylbenzene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	6.9 U	6.1 U	6.6 U	6 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
108-88-3	Toluene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	3.4 UJ	3.1 UJ	3.3 UJ	3 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
108-05-4	Vinyl Acetate	ug/Kg	3.4 U	3.1 U	3.3 U	3 U
75-01-4	Vinyl Chloride	ug/Kg	3.4 U	3.1 U	3.3 U	3 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-17 PSS-17_2015-9-24 P1444-08 MITKEM P1444 SOIL 9/24/2015 7:55 12/21/2015	PSS-18 PSS-18_2015-9-22 P1443-15 MITKEM P1443 SOIL 9/22/2015 16:05 12/21/2015	PSS-19 PSS-19_2015-9-22 P1443-14 MITKEM P1443 SOIL 9/22/2015 15:46 12/21/2015	PSS-20 PSS-20_2015-9-22 P1443-13 MITKEM P1443 SOIL 9/22/2015 15:20 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	710 U	690 U	720 U	710 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	350 U	340 U	350 U	350 U
120-83-2	2,4-Dichlorophenol	ug/Kg	350 U	340 U	350 U	350 U
105-67-9	2,4-Dimethylphenol	ug/Kg	350 U	340 U	350 U	350 U
51-28-5	2,4-Dinitrophenol	ug/Kg	710 U	690 UJ	720 UJ	710 UJ
121-14-2	2,4-Dinitrotoluene	ug/Kg	350 U	340 U	350 U	350 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	350 U	340 U	350 U	350 U
91-58-7	2-Chloronaphthalene	ug/Kg	350 U	340 U	350 U	350 U
95-57-8	2-Chlorophenol	ug/Kg	350 U	340 U	350 U	350 U
91-57-6	2-Methylnaphthalene	ug/Kg	350 U	340 U	350 U	350 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	350 U	340 U	350 U	350 U
88-74-4	2-Nitroaniline	ug/Kg	710 U	690 U	720 U	710 U
88-75-5	2-Nitrophenol	ug/Kg	350 U	340 U	350 U	350 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	350 U	340 U	350 U	350 U
99-09-2	3-Nitroaniline	ug/Kg	710 U	690 U	720 U	710 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	710 U	690 U	720 U	710 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	350 U	340 U	350 U	350 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	350 U	340 U	350 U	350 U
106-47-8	4-Chloroaniline	ug/Kg	350 U	340 U	350 U	350 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	350 U	340 U	350 U	350 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	350 U	340 U	350 U	350 U
100-01-6	4-Nitroaniline	ug/Kg	710 U	690 U	720 U	710 U
100-02-7	4-Nitrophenol	ug/Kg	710 U	690 U	720 U	710 U
83-32-9	Acenaphthene	ug/Kg	350 U	340 U	350 U	350 U
208-96-8	Acenaphthylene	ug/Kg	350 U	340 U	350 U	350 U
120-12-7	Anthracene	ug/Kg	350 U	340 U	350 U	350 U
56-55-3	Benzo(A)Anthracene	ug/Kg	350 U	340 U	350 U	190 J
50-32-8	Benzo(A)Pyrene	ug/Kg	350 U	340 U	350 U	360
205-99-2	Benzo(B)Fluoranthene	ug/Kg	350 U	74 J	350 U	470
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	350 U	340 U	350 U	410
207-08-9	Benzo(K)Fluoranthene	ug/Kg	350 U	340 U	350 U	200 J
85-68-7	Benzyl Butyl Phthalate	ug/Kg	350 U	340 U	350 U	350 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	350 U	340 U	350 U	350 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	350 U	340 U	350 U	350 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	350 U	340 U	350 U	350 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	100 J	340 U	92 J	350 U
86-74-8	Carbazole	ug/Kg	350 U	340 U	350 U	350 U
218-01-9	Chrysene	ug/Kg	350 U	340 U	350 U	250 J
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	350 U	340 U	350 U	350 U
132-64-9	Dibenzofuran	ug/Kg	350 U	340 U	350 U	350 U
84-66-2	Diethyl Phthalate	ug/Kg	350 U	340 U	350 U	350 U
131-11-3	Dimethyl Phthalate	ug/Kg	150 J	340 U	350 U	350 U
84-74-2	Di-N-Butyl Phthalate	ug/Kg	350 U	340 U	350 U	350 U
117-84-0	Di-N-Octylphthalate	ug/Kg	350 U	340 U	350 U	350 U
206-44-0	Fluoranthene	ug/Kg	350 U	340 U	350 U	200 J
86-73-7	Fluorene	ug/Kg	350 U	340 U	350 U	350 U
118-74-1	Hexachlorobenzene	ug/Kg	350 U	340 U	350 U	350 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	350 U	340 U	350 U	350 U
67-72-1	Hexachloroethane	ug/Kg	350 U	340 U	350 U	350 U
87-68-3	Hexachlorobutadiene	ug/Kg	350 U	340 U	350 U	350 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	350 U	340 U	350 U	450
78-59-1	Isophorone	ug/Kg	350 U	340 U	350 U	350 U
91-20-3	Naphthalene	ug/Kg	350 U	340 U	350 U	350 U
98-95-3	Nitrobenzene	ug/Kg	350 U	340 U	350 U	350 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	350 U	340 U	350 U	350 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	350 U	340 U	350 U	350 U
87-86-5	Pentachlorophenol	ug/Kg	710 UJ	690 U	720 U	710 U
85-01-8	Phenanthrene	ug/Kg	350 U	340 U	350 U	350 U
108-95-2	Phenol	ug/Kg	350 U	340 U	350 U	350 U
129-00-0	Pyrene	ug/Kg	350 U	340 U	350 U	230 J

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-17 PSS-17_2015-9-24 P1444-08 MITKEM P1444 SOIL 9/24/2015 7:55 12/21/2015	PSS-18 PSS-18_2015-9-22 P1443-15 MITKEM P1443 SOIL 9/22/2015 16:05 12/21/2015	PSS-19 PSS-19_2015-9-22 P1443-14 MITKEM P1443 SOIL 9/22/2015 15:46 12/21/2015	PSS-20 PSS-20_2015-9-22 P1443-13 MITKEM P1443 SOIL 9/22/2015 15:20 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
959-98-8	Alpha Endosulfan	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
5103-71-9	cis-Chlordane	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
33213-65-9	Beta Endosulfan	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
5103-74-2	trans-Chlordane	ug/Kg	1.8 U	1.6 JN	1 JN	1.7 JN
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
60-57-1	Dieldrin	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
1031-07-8	Endosulfan Sulfate	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
72-20-8	Endrin	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
53494-70-5	Endrin Ketone	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
76-44-8	Heptachlor	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
1024-57-3	Heptachlor Epoxide	ug/Kg	1.8 U	1.8 U	1.9 U	1.8 U
72-43-5	Methoxychlor	ug/Kg	18 U	18 U	19 U	18 U
72-54-8	P,P'-DDD	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
72-55-9	P,P'-DDE	ug/Kg	3.6 U	3.5 U	3.6 U	3.5 U
50-29-3	P,P'-DDT	ug/Kg	4.2	3.7	4.9	3.9
8001-35-2	Toxaphene	ug/Kg	180 U	180 U	190 U	180 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	36 U	35 U	36 U	35 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	36 U	35 U	36 U	35 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	36 U	35 U	36 U	35 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	36 U	35 U	36 U	35 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	36 U	35 U	36 U	35 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	36 U	36	45	35 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	36 U	35 U	33 J	35 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	36 U	35 U	36 U	35 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	36 U	35 U	36 U	35 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.5 U	3.5 U	3.6 U	3.5 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	2600	2850	4200	2690
7440-36-0	Antimony	mg/Kg	0.34 U	0.36 U	0.47 J	0.33 U
7440-38-2	Arsenic	mg/Kg	3.7	3.6	5.5	2.1
7440-39-3	Barium	mg/Kg	96.5	96.1	160	55.3
7440-41-7	Beryllium	mg/Kg	0.17 J	0.16 J	0.2 J	0.2 J
7440-43-9	Cadmium	mg/Kg	0.37 J	1	1.6	1.2
7440-70-2	Calcium	mg/Kg	3060	2990	4730	3330
16065-83-1	Chromium Iii	mg/Kg	7.2	9.2	14	10
18540-29-9	Chromium, Hexavalent	mg/Kg	4.3 UJ	4.2 U	4.4 U	4.2 U
7440-47-3	Chromium, Total	mg/Kg	7.1 J	9.1	13.9	10
7440-48-4	Cobalt	mg/Kg	16.1	15.6	21.1	21.4
7440-50-8	Copper	mg/Kg	60.2	59	72.9	68.9
7439-89-6	Iron	mg/Kg	35700 J	51900	80800	64000
7439-92-1	Lead	mg/Kg	15	9.4	14.5	39.2
7439-95-4	Magnesium	mg/Kg	643	734	1480	1160
7439-96-5	Manganese	mg/Kg	258	261	372	400
7439-97-6	Mercury	mg/Kg	0.18	0.37	0.044	0.042
7440-02-0	Nickel	mg/Kg	16	16	25.2	21.8
7440-09-7	Potassium	mg/Kg	422 J	341	649	325
7782-49-2	Selenium	mg/Kg	0.57 U	2.3	2.4	2.2
7440-22-4	Silver	mg/Kg	0.2 J	0.22 J	0.22 J	0.24 J
7440-23-5	Sodium	mg/Kg	15.4 J	13.8 J	12.1 J	13.7 J
7440-28-0	Thallium	mg/Kg	0.85 J	0.46 J	0.56 J	0.68 J
7440-62-2	Vanadium	mg/Kg	40.1	48.6	74.9	52.9
7440-66-6	Zinc	mg/Kg	60.7	44.4	85.2	52
57-12-5	Cyanide	mg/Kg	0.436 U	0.516 U	0.513 U	0.444 U
	OTHER					
MOIST	Moisture, Percent	%	7.7	5.4	9.2	5.8

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-21 PSS-21_2015-9-22 P1443-12 MITKEM P1443 SOIL 9/22/2015 14:35 12/21/2015	PSS-22 PSS-22_2015-9-22 P1443-10 MITKEM P1443 SOIL 9/22/2015 14:45 12/21/2015	Dup of PSS-22_2015-9-22 PSS-22 PSS-220_2015-9-22 P1443-11 MITKEM P1443 SOIL 9/22/2015 12:05 12/21/2015	PSS-23 PSS-23_2015-9-22 P1443-08 MITKEM P1443 SOIL 9/22/2015 14:25 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-34-3	1,1-Dichloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-35-4	1,1-Dichloroethene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
563-58-6	1,1-Dichloropropene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
107-06-2	1,2-Dichloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
78-87-5	1,2-Dichloropropane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
142-28-9	1,3-Dichloropropane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	73 UJ	110 UJ	110 UJ	75 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
95-49-8	2-Chlorotoluene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
591-78-6	2-Hexanone	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
106-43-4	4-Chlorotoluene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
67-64-1	Acetone	ug/Kg	43	10	10	46
71-43-2	Benzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
108-86-1	Bromobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
74-97-5	Bromochloromethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-27-4	Bromodichloromethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-25-2	Bromoform	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
74-83-9	Bromomethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-15-0	Carbon Disulfide	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
56-23-5	Carbon Tetrachloride	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
108-90-7	Chlorobenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-00-3	Chloroethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
67-66-3	Chloroform	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
74-87-3	Chloromethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
99-87-6	Cymene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
124-48-1	Dibromochloromethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
74-95-3	Dibromomethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-71-8	Dichlorodifluoromethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
1330-20-7	Xylenes	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
100-41-4	Ethylbenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
179601-23-1	m,p-Xylene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-09-2	Methylene Chloride	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
104-51-8	N-Butylbenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
103-65-1	N-Propylbenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
135-98-8	Sec-Butylbenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
100-42-5	Styrene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
98-06-6	T-Butylbenzene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	7.3 U	11 U	11 U	7.5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
108-88-3	Toluene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	3.6 UJ	5.3 UJ	5.3 UJ	3.7 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
108-05-4	Vinyl Acetate	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U
75-01-4	Vinyl Chloride	ug/Kg	3.6 U	5.3 U	5.3 U	3.7 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-21 PSS-21_2015-9-22 P1443-12 MITKEM P1443 SOIL 9/22/2015 14:35 12/21/2015	PSS-22 PSS-22_2015-9-22 P1443-10 MITKEM P1443 SOIL 9/22/2015 14:45 12/21/2015	Dup of PSS-22_2015-9-22 PSS-22 PSS-220_2015-9-22 P1443-11 MITKEM P1443 SOIL 9/22/2015 12:05 12/21/2015	PSS-23 PSS-23_2015-9-22 P1443-08 MITKEM P1443 SOIL 9/22/2015 14:25 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	720 U	700 U	700 U	700 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	350 U	350 U	350 U	350 U
120-83-2	2,4-Dichlorophenol	ug/Kg	350 U	350 U	350 U	350 U
105-67-9	2,4-Dimethylphenol	ug/Kg	350 U	350 U	350 U	350 U
51-28-5	2,4-Dinitrophenol	ug/Kg	720 UJ	700 UJ	700 UJ	700 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	350 U	350 U	350 U	350 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	350 U	350 U	350 U	350 U
91-58-7	2-Chloronaphthalene	ug/Kg	350 U	350 U	350 U	350 U
95-57-8	2-Chlorophenol	ug/Kg	350 U	350 U	350 U	350 U
91-57-6	2-Methylnaphthalene	ug/Kg	350 U	350 U	350 U	350 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	350 U	350 U	350 U	350 U
88-74-4	2-Nitroaniline	ug/Kg	720 U	700 U	700 U	700 U
88-75-5	2-Nitrophenol	ug/Kg	350 U	350 U	350 U	350 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	350 U	350 U	350 U	350 U
99-09-2	3-Nitroaniline	ug/Kg	720 U	700 U	700 U	700 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	720 U	700 U	700 U	700 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	350 U	350 U	350 U	350 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	350 U	350 U	350 U	350 U
106-47-8	4-Chloroaniline	ug/Kg	350 U	350 U	350 U	350 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	350 U	350 U	350 U	350 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	350 U	350 U	350 U	350 U
100-01-6	4-Nitroaniline	ug/Kg	720 U	700 U	700 U	700 U
100-02-7	4-Nitrophenol	ug/Kg	720 U	700 U	700 U	700 U
83-32-9	Acenaphthene	ug/Kg	350 U	350 U	350 U	350 U
208-96-8	Acenaphthylene	ug/Kg	350 U	350 U	350 U	350 U
120-12-7	Anthracene	ug/Kg	350 U	350 U	350 U	350 U
56-55-3	Benzo(A)Anthracene	ug/Kg	350 U	100 J	130 J	350 U
50-32-8	Benzo(A)Pyrene	ug/Kg	350 U	170 J	200 J	350 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	350 U	230 J	270 J	350 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	350 U	190 J	220 J	350 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	350 U	88 J	100 J	350 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	350 U	350 U	350 U	350 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	350 U	350 U	350 U	350 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	350 U	350 U	350 U	350 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	350 U	350 U	350 U	350 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	87 J	350 U	350 U	350 U
86-74-8	Carbazole	ug/Kg	350 U	350 U	350 U	350 U
218-01-9	Chrysene	ug/Kg	350 U	110 J	140 J	350 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	350 U	350 U	350 U	350 U
132-64-9	Dibenzofuran	ug/Kg	350 U	350 U	350 U	350 U
84-66-2	Diethyl Phthalate	ug/Kg	350 U	350 U	350 U	350 U
131-11-3	Dimethyl Phthalate	ug/Kg	130 J	350 U	110 J	120 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	350 U	350 U	350 U	350 U
117-84-0	Di-N-Octylphthalate	ug/Kg	350 U	350 U	350 U	350 U
206-44-0	Fluoranthene	ug/Kg	350 U	82 J	100 J	350 U
86-73-7	Fluorene	ug/Kg	350 U	350 U	350 U	350 U
118-74-1	Hexachlorobenzene	ug/Kg	350 U	350 U	350 U	350 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	350 U	350 U	350 U	350 U
67-72-1	Hexachloroethane	ug/Kg	350 U	350 U	350 U	350 U
87-68-3	Hexachlorobutadiene	ug/Kg	350 U	350 U	350 U	350 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	350 U	200 J	210 J	350 U
78-59-1	Isophorone	ug/Kg	350 U	350 U	350 U	350 U
91-20-3	Naphthalene	ug/Kg	350 U	350 U	350 U	350 U
98-95-3	Nitrobenzene	ug/Kg	350 U	350 U	350 U	350 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	350 U	420 U	350 U	350 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	350 U	350 U	350 U	350 U
87-86-5	Pentachlorophenol	ug/Kg	720 U	700 U	700 U	700 UJ
85-01-8	Phenanthrene	ug/Kg	350 U	350 U	350 U	350 U
108-95-2	Phenol	ug/Kg	350 U	350 U	350 U	350 U
129-00-0	Pyrene	ug/Kg	350 U	110 J	130 J	350 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-21 PSS-21_2015-9-22 P1443-12 MITKEM P1443 SOIL 9/22/2015 14:35 12/21/2015	PSS-22 PSS-22_2015-9-22 P1443-10 MITKEM P1443 SOIL 9/22/2015 14:45 12/21/2015	Dup of PSS-22_2015-9-22 PSS-22 PSS-220_2015-9-22 P1443-11 MITKEM P1443 SOIL 9/22/2015 12:05 12/21/2015	PSS-23 PSS-23_2015-9-22 P1443-08 MITKEM P1443 SOIL 9/22/2015 14:25 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
959-98-8	Alpha Endosulfan	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
5103-71-9	cis-Chlordane	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
33213-65-9	Beta Endosulfan	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
5103-74-2	trans-Chlordane	ug/Kg	2.3 JN	19 JN	1.8 UJ	1 JN
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
60-57-1	Dieldrin	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
1031-07-8	Endosulfan Sulfate	ug/Kg	5 JN	3.5 U	3.4 U	3.5 U
72-20-8	Endrin	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
53494-70-5	Endrin Ketone	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
76-44-8	Heptachlor	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
1024-57-3	Heptachlor Epoxide	ug/Kg	1.9 U	1.8 U	1.8 U	1.8 U
72-43-5	Methoxychlor	ug/Kg	19 U	18 U	18 U	18 U
72-54-8	P,P'-DDD	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
72-55-9	P,P'-DDE	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
50-29-3	P,P'-DDT	ug/Kg	3.6 U	2.1 J	2.1 J	2.2 J
8001-35-2	Toxaphene	ug/Kg	190 U	180 U	180 U	180 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	36 U	35 U	34 U	35 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	36 U	35 U	34 U	35 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	36 U	35 U	34 U	35 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	36 U	35 U	34 U	35 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	36 U	35 U	34 U	35 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	36 U	36 J	34 UJ	35 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	36 U	47 J	34 UJ	35 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	36 U	35 U	34 U	35 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	36 U	35 U	34 U	35 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.6 U	3.5 U	3.4 U	3.5 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	2550	3360	3540	2900
7440-36-0	Antimony	mg/Kg	0.42 J	0.34 U	0.3 U	0.33 U
7440-38-2	Arsenic	mg/Kg	3	8.2	6.4	3.9
7440-39-3	Barium	mg/Kg	99.5	182	166	91
7440-41-7	Beryllium	mg/Kg	0.17 J	0.18 J	0.18 J	0.18 J
7440-43-9	Cadmium	mg/Kg	1.5	0.37	0.32	0.7
7440-70-2	Calcium	mg/Kg	3250	4940	4230	2720
16065-83-1	Chromium Iii	mg/Kg	10	4 U	4 U	7.7
18540-29-9	Chromium, Hexavalent	mg/Kg	4.2 U	4 U	4.2 U	3.9 U
7440-47-3	Chromium, Total	mg/Kg	10.4	4	3.5	7.6
7440-48-4	Cobalt	mg/Kg	18.1	10.2	9.2	14.9
7440-50-8	Copper	mg/Kg	35.1	78.1	62.6	51.8
7439-89-6	Iron	mg/Kg	74600	28300	25900	49800
7439-92-1	Lead	mg/Kg	8.1	15.2	14.7	10.3
7439-95-4	Magnesium	mg/Kg	636	1520	1550	639
7439-96-5	Manganese	mg/Kg	307	250	229	285
7439-97-6	Mercury	mg/Kg	0.011 J	0.016 J	0.013 J	0.0079 J
7440-02-0	Nickel	mg/Kg	19	12	9.3	15.4
7440-09-7	Potassium	mg/Kg	274	724	780	334
7782-49-2	Selenium	mg/Kg	1.7	0.96 J	1.5	2.1
7440-22-4	Silver	mg/Kg	0.28 J	0.17 J	0.16 J	0.18 J
7440-23-5	Sodium	mg/Kg	10.8 J	41.5 J	44.7	15 J
7440-28-0	Thallium	mg/Kg	0.65 J	0.2 U	0.18 U	0.38 J
7440-62-2	Vanadium	mg/Kg	72.3	17.9	17	53.6
7440-66-6	Zinc	mg/Kg	42.5	28.1	29.2	34.7
57-12-5	Cyanide	mg/Kg	0.44 U	0.406 U	0.456 U	0.491 U
	OTHER					
MOIST	Moisture, Percent	%	9.4	4.9	4.5	5.6

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-24 PSS-24_2015-9-22 P1443-07 MITKEM P1443 SOIL 9/22/2015 13:45 12/21/2015	PSS-25 PSS-25_2015-9-22 P1443-06 MITKEM P1443 SOIL 9/22/2015 13:45 12/21/2015	PSS-26 PSS-26_2015-9-22 P1443-09 MITKEM P1443 SOIL 9/22/2015 14:15 12/21/2015	SLAB-01 SLAB-01_2015-9-23 P1444-06 MITKEM P1444 SOIL 9/23/2015 15:50 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-34-3	1,1-Dichloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-35-4	1,1-Dichloroethene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
563-58-6	1,1-Dichloropropene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
107-06-2	1,2-Dichloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
78-87-5	1,2-Dichloropropane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
142-28-9	1,3-Dichloropropane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	76 UJ	88 UJ	83 UJ	77 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
95-49-8	2-Chlorotoluene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
591-78-6	2-Hexanone	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
106-43-4	4-Chlorotoluene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
67-64-1	Acetone	ug/Kg	3.8 U	9.9	4.1 U	3.9 U
71-43-2	Benzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
108-86-1	Bromobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
74-97-5	Bromochloromethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-27-4	Bromodichloromethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-25-2	Bromoform	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
74-83-9	Bromomethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-15-0	Carbon Disulfide	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
56-23-5	Carbon Tetrachloride	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
108-90-7	Chlorobenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-00-3	Chloroethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
67-66-3	Chloroform	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
74-87-3	Chloromethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
99-87-6	Cymene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
124-48-1	Dibromochloromethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
74-95-3	Dibromomethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-71-8	Dichlorodifluoromethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
1330-20-7	Xylenes	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
100-41-4	Ethylbenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
179601-23-1	m,p-Xylene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-09-2	Methylene Chloride	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
104-51-8	N-Butylbenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
103-65-1	N-Propylbenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
135-98-8	Sec-Butylbenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
100-42-5	Styrene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
98-06-6	T-Butylbenzene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	7.6 U	8.8 U	8.3 U	7.7 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
108-88-3	Toluene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	3.8 UJ	4.4 UJ	4.1 UJ	3.9 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
108-05-4	Vinyl Acetate	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U
75-01-4	Vinyl Chloride	ug/Kg	3.8 U	4.4 U	4.1 U	3.9 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-24 PSS-24_2015-9-22 P1443-07 MITKEM P1443 SOIL 9/22/2015 13:45 12/21/2015	PSS-25 PSS-25_2015-9-22 P1443-06 MITKEM P1443 SOIL 9/22/2015 13:45 12/21/2015	PSS-26 PSS-26_2015-9-22 P1443-09 MITKEM P1443 SOIL 9/22/2015 14:15 12/21/2015	SLAB-01 SLAB-01_2015-9-23 P1444-06 MITKEM P1444 SOIL 9/23/2015 15:50 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	730 U	730 U	740 U	670 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	360 U	360 U	360 U	330 U
120-83-2	2,4-Dichlorophenol	ug/Kg	360 U	360 U	360 U	330 U
105-67-9	2,4-Dimethylphenol	ug/Kg	360 U	360 U	360 U	330 U
51-28-5	2,4-Dinitrophenol	ug/Kg	730 U	730 UJ	740 UJ	670 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	360 U	360 U	360 U	330 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	360 U	360 U	360 U	330 U
91-58-7	2-Chloronaphthalene	ug/Kg	360 U	360 U	360 U	330 U
95-57-8	2-Chlorophenol	ug/Kg	360 U	360 U	360 U	330 U
91-57-6	2-Methylnaphthalene	ug/Kg	360 U	360 U	360 U	330 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	360 U	360 U	360 U	330 U
88-74-4	2-Nitroaniline	ug/Kg	730 U	730 U	740 U	670 U
88-75-5	2-Nitrophenol	ug/Kg	360 U	360 U	360 U	330 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	360 U	360 U	360 U	330 U
99-09-2	3-Nitroaniline	ug/Kg	730 U	730 U	740 U	670 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	730 U	730 U	740 U	670 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	360 U	360 U	360 U	330 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	360 U	360 U	360 U	330 U
106-47-8	4-Chloroaniline	ug/Kg	360 U	360 U	360 U	330 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	360 U	360 U	360 U	330 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	360 U	360 U	360 U	330 U
100-01-6	4-Nitroaniline	ug/Kg	730 U	730 U	740 U	670 U
100-02-7	4-Nitrophenol	ug/Kg	730 U	730 U	740 U	670 U
83-32-9	Acenaphthene	ug/Kg	360 U	360 U	360 U	330 U
208-96-8	Acenaphthylene	ug/Kg	360 U	360 U	360 U	330 U
120-12-7	Anthracene	ug/Kg	360 U	360 U	360 U	330 U
56-55-3	Benzo(A)Anthracene	ug/Kg	360 U	170 J	460	330 U
50-32-8	Benzo(A)Pyrene	ug/Kg	360 U	320 J	830	330 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	360 U	410	1100	330 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	360 U	340 J	960	330 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	360 U	170 J	420	330 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	360 U	360 U	210 J	330 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	360 U	360 U	360 U	330 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	360 U	360 U	360 U	330 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	360 U	360 U	360 U	330 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	360 U	360 U	1400	330 U
86-74-8	Carbazole	ug/Kg	360 U	360 U	360 U	330 U
218-01-9	Chrysene	ug/Kg	360 U	210 J	630	330 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	360 U	360 U	180 J	330 U
132-64-9	Dibenzofuran	ug/Kg	360 U	360 U	360 U	330 U
84-66-2	Diethyl Phthalate	ug/Kg	360 U	360 U	360 U	330 U
131-11-3	Dimethyl Phthalate	ug/Kg	95 J	360 U	360 U	150 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	360 U	360 U	360 U	330 U
117-84-0	Di-N-Octylphthalate	ug/Kg	360 U	360 U	360 U	330 U
206-44-0	Fluoranthene	ug/Kg	360 U	180 J	630	330 U
86-73-7	Fluorene	ug/Kg	360 U	360 U	360 U	330 U
118-74-1	Hexachlorobenzene	ug/Kg	360 U	360 U	360 U	330 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	360 U	360 U	360 U	330 U
67-72-1	Hexachloroethane	ug/Kg	360 U	360 U	360 U	330 U
87-68-3	Hexachlorobutadiene	ug/Kg	360 U	360 U	360 U	330 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	360 U	380	1100	330 U
78-59-1	Isophorone	ug/Kg	360 U	360 U	360 U	330 U
91-20-3	Naphthalene	ug/Kg	360 U	360 U	360 U	330 U
98-95-3	Nitrobenzene	ug/Kg	360 U	360 U	360 U	330 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	360 U	360 U	360 U	330 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	360 U	360 U	360 U	330 U
87-86-5	Pentachlorophenol	ug/Kg	730 UJ	730 U	740 U	670 UJ
85-01-8	Phenanthrene	ug/Kg	360 U	360 U	170 J	330 U
108-95-2	Phenol	ug/Kg	360 U	360 U	360 U	330 U
129-00-0	Pyrene	ug/Kg	360 U	190 J	680	330 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PSS-24 PSS-24_2015-9-22 P1443-07 MITKEM P1443 SOIL 9/22/2015 13:45 12/21/2015	PSS-25 PSS-25_2015-9-22 P1443-06 MITKEM P1443 SOIL 9/22/2015 13:45 12/21/2015	PSS-26 PSS-26_2015-9-22 P1443-09 MITKEM P1443 SOIL 9/22/2015 14:15 12/21/2015	SLAB-01 SLAB-01_2015-9-23 P1444-06 MITKEM P1444 SOIL 9/23/2015 15:50 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
959-98-8	Alpha Endosulfan	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
5103-71-9	cis-Chlordane	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
33213-65-9	Beta Endosulfan	ug/Kg	3.6 U	3.6 U	21 J	3.4 U
5103-74-2	trans-Chlordane	ug/Kg	1.9 U	4.4 JN	34	1.7 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
60-57-1	Dieldrin	ug/Kg	3.6 U	2.2 JN	51 J	3.4 U
1031-07-8	Endosulfan Sulfate	ug/Kg	3.6 U	3.6 U	18 U	3.4 U
72-20-8	Endrin	ug/Kg	3.6 U	3.6 U	18 U	3.4 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.6 U	3.6 U	18 U	3.4 U
53494-70-5	Endrin Ketone	ug/Kg	3.6 U	3.6 U	18 U	3.4 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
76-44-8	Heptachlor	ug/Kg	1.9 U	1.9 U	9.3 U	1.7 U
1024-57-3	Heptachlor Epoxide	ug/Kg	1.9 U	1.9 U	23 J	1.7 U
72-43-5	Methoxychlor	ug/Kg	19 U	19 U	93 U	17 U
72-54-8	P,P'-DDD	ug/Kg	3.6 U	3.6 U	18 U	3.4 U
72-55-9	P,P'-DDE	ug/Kg	3.6 U	2.1 JN	36 J	3.4 U
50-29-3	P,P'-DDT	ug/Kg	3.6 U	11	110	3.4 U
8001-35-2	Toxaphene	ug/Kg	190 U	190 U	930 U	170 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	36 U	36 U	360 U	34 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	36 U	36 U	360 U	34 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	36 U	36 U	360 U	34 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	36 U	36 U	360 U	34 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	36 U	36 U	360 U	34 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	36 U	130	930	34 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	36 U	36 U	360 U	34 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	36 U	36 U	360 U	34 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	36 U	36 U	360 U	34 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.6 U	3.6 U	3.6 U	3.3 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	4850	4020	3170	1600
7440-36-0	Antimony	mg/Kg	0.35 U	0.33 U	0.98 J	0.35 U
7440-38-2	Arsenic	mg/Kg	10	9.7	2.5	0.86 J
7440-39-3	Barium	mg/Kg	223	232	74.3	6.4 J
7440-41-7	Beryllium	mg/Kg	0.26	0.26	0.15 J	0.14 J
7440-43-9	Cadmium	mg/Kg	0.33	0.32	0.81	0.014 U
7440-70-2	Calcium	mg/Kg	5230	5130	5110	702
16065-83-1	Chromium Iii	mg/Kg	4	5.2	18	4 U
18540-29-9	Chromium, Hexavalent	mg/Kg	4.1 U	4.1 U	4.4 U	4.1 U
7440-47-3	Chromium, Total	mg/Kg	4	5.2	17.5	1.4
7440-48-4	Cobalt	mg/Kg	10.8	8.6	11.5	1.4 J
7440-50-8	Copper	mg/Kg	81	88.5	44.6	2
7439-89-6	Iron	mg/Kg	34900	30300	39900	3160
7439-92-1	Lead	mg/Kg	18.7	27.7	102	1.5
7439-95-4	Magnesium	mg/Kg	2440	2160	2200	698
7439-96-5	Manganese	mg/Kg	282	237	274	55.7
7439-97-6	Mercury	mg/Kg	0.015 J	0.68	0.28	0.0023 U
7440-02-0	Nickel	mg/Kg	11.4	9.4	13.6	1.3 J
7440-09-7	Potassium	mg/Kg	1520	1180	817	220
7782-49-2	Selenium	mg/Kg	2.4	3.5	0.63 U	0.69 J
7440-22-4	Silver	mg/Kg	0.65 J	0.51 J	0.065 J	0.059 U
7440-23-5	Sodium	mg/Kg	88	90.1	30.2 J	47.4
7440-28-0	Thallium	mg/Kg	0.22 J	0.19 U	0.22 U	0.2 U
7440-62-2	Vanadium	mg/Kg	18.1	15.6	35.2	2 J
7440-66-6	Zinc	mg/Kg	32.2	50.4	127	11
57-12-5	Cyanide	mg/Kg	0.472 U	0.453 U	0.46 U	0.463 U
	OTHER					
MOIST	Moisture, Percent	%	9.1	9.4	9.7	1.8

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SLAB-02 SLAB-02_2015-9-23 P1444-07 MITKEM P1444 SOIL 9/23/2015 16:15 12/21/2015	SLAB-03 SLAB-03_2015-9-23 P1444-04 MITKEM P1444 SOIL 9/23/2015 13:50 12/21/2015	Dup of SLAB-03_2015-9-23 SLAB-03 SLAB-030_2015-9-23 P1444-05 MITKEM P1444 SOIL 9/23/2015 12:01 12/21/2015	SLAB-04 SLAB-04_2015-9-23 P1444-03 MITKEM P1444 SOIL 9/23/2015 13:30 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-34-3	1,1-Dichloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-35-4	1,1-Dichloroethene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
563-58-6	1,1-Dichloropropene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
107-06-2	1,2-Dichloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
78-87-5	1,2-Dichloropropane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
142-28-9	1,3-Dichloropropane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	68 UJ	93 UJ	73 UJ	63 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
95-49-8	2-Chlorotoluene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
591-78-6	2-Hexanone	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
106-43-4	4-Chlorotoluene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
67-64-1	Acetone	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
71-43-2	Benzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
108-86-1	Bromobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
74-97-5	Bromochloromethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-27-4	Bromodichloromethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-25-2	Bromoform	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
74-83-9	Bromomethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-15-0	Carbon Disulfide	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
56-23-5	Carbon Tetrachloride	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
108-90-7	Chlorobenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-00-3	Chloroethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
67-66-3	Chloroform	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
74-87-3	Chloromethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
99-87-6	Cymene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
124-48-1	Dibromochloromethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
74-95-3	Dibromomethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-71-8	Dichlorodifluoromethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
1330-20-7	Xylenes	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
100-41-4	Ethylbenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
179601-23-1	m,p-Xylene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-09-2	Methylene Chloride	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
104-51-8	N-Butylbenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
103-65-1	N-Propylbenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
135-98-8	Sec-Butylbenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
100-42-5	Styrene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
98-06-6	T-Butylbenzene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	6.8 U	9.3 U	7.3 U	6.3 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	3.4 U	13	10	3.1 U
108-88-3	Toluene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	3.4 UJ	4.7 UJ	3.6 UJ	3.1 UJ
75-69-4	Trichlorofluoromethane	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
108-05-4	Vinyl Acetate	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U
75-01-4	Vinyl Chloride	ug/Kg	3.4 U	4.7 U	3.6 U	3.1 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SLAB-02 SLAB-02_2015-9-23 P1444-07 MITKEM P1444 SOIL 9/23/2015 16:15 12/21/2015	SLAB-03 SLAB-03_2015-9-23 P1444-04 MITKEM P1444 SOIL 9/23/2015 13:50 12/21/2015	Dup of SLAB-03_2015-9-23 SLAB-03 SLAB-030_2015-9-23 P1444-05 MITKEM P1444 SOIL 9/23/2015 12:01 12/21/2015	SLAB-04 SLAB-04_2015-9-23 P1444-03 MITKEM P1444 SOIL 9/23/2015 13:30 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-95-4	2,4,5-Trichlorophenol	ug/Kg	690 U	700 U	710 U	780 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	340 U	350 U	350 U	380 U
120-83-2	2,4-Dichlorophenol	ug/Kg	340 U	350 U	350 U	380 U
105-67-9	2,4-Dimethylphenol	ug/Kg	340 U	350 U	350 U	380 U
51-28-5	2,4-Dinitrophenol	ug/Kg	690 U	700 U	710 U	780 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	340 U	350 U	350 U	380 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	340 U	350 U	350 U	380 U
91-58-7	2-Chloronaphthalene	ug/Kg	340 U	350 U	350 U	380 U
95-57-8	2-Chlorophenol	ug/Kg	340 U	350 U	350 U	380 U
91-57-6	2-Methylnaphthalene	ug/Kg	340 U	350 U	350 U	380 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	340 U	350 U	350 U	380 U
88-74-4	2-Nitroaniline	ug/Kg	690 U	700 U	710 U	780 U
88-75-5	2-Nitrophenol	ug/Kg	340 U	350 U	350 U	380 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	340 U	350 U	350 U	380 U
99-09-2	3-Nitroaniline	ug/Kg	690 U	700 U	710 U	780 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	690 U	700 U	710 U	780 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	340 U	350 U	350 U	380 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	340 U	350 U	350 U	380 U
106-47-8	4-Chloroaniline	ug/Kg	340 U	350 U	350 U	380 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	340 U	350 U	350 U	380 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	340 U	350 U	350 U	380 U
100-01-6	4-Nitroaniline	ug/Kg	690 U	700 U	710 U	780 U
100-02-7	4-Nitrophenol	ug/Kg	690 U	700 U	710 U	780 U
83-32-9	Acenaphthene	ug/Kg	340 U	350 U	350 U	380 U
208-96-8	Acenaphthylene	ug/Kg	340 U	350 U	350 U	380 U
120-12-7	Anthracene	ug/Kg	340 U	350 U	350 U	380 U
56-55-3	Benzo(A)Anthracene	ug/Kg	340 U	350 U	350 U	380 U
50-32-8	Benzo(A)Pyrene	ug/Kg	340 U	350 U	350 U	380 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	340 U	350 U	350 U	380 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	340 U	350 U	350 U	380 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	340 U	350 U	350 U	380 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	340 U	350 U	350 U	380 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	340 U	350 U	350 U	380 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	340 U	350 U	350 U	380 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	340 U	350 U	350 U	380 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	280 J	350 U	350 U	380 U
86-74-8	Carbazole	ug/Kg	340 U	350 U	350 U	380 U
218-01-9	Chrysene	ug/Kg	340 U	350 U	350 U	380 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	340 U	350 U	350 U	380 U
132-64-9	Dibenzofuran	ug/Kg	340 U	350 U	350 U	380 U
84-66-2	Diethyl Phthalate	ug/Kg	340 U	350 U	350 U	380 U
131-11-3	Dimethyl Phthalate	ug/Kg	110 J	87 J	99 J	150 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	340 U	350 U	350 U	380 U
117-84-0	Di-N-Octylphthalate	ug/Kg	340 U	350 U	350 U	380 U
206-44-0	Fluoranthene	ug/Kg	340 U	350 U	350 U	380 U
86-73-7	Fluorene	ug/Kg	340 U	350 U	350 U	380 U
118-74-1	Hexachlorobenzene	ug/Kg	340 U	350 U	350 U	380 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	340 U	350 U	350 U	380 U
67-72-1	Hexachloroethane	ug/Kg	340 U	350 U	350 U	380 U
87-68-3	Hexachlorobutadiene	ug/Kg	340 U	350 U	350 U	380 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	340 U	350 U	350 U	380 U
78-59-1	Isophorone	ug/Kg	340 U	350 U	350 U	380 U
91-20-3	Naphthalene	ug/Kg	340 U	350 U	350 U	380 U
98-95-3	Nitrobenzene	ug/Kg	340 U	350 U	350 U	380 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	340 U	350 U	350 U	380 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	340 U	350 U	350 U	380 U
87-86-5	Pentachlorophenol	ug/Kg	690 UJ	700 UJ	710 UJ	780 UJ
85-01-8	Phenanthrene	ug/Kg	340 U	350 U	350 U	380 U
108-95-2	Phenol	ug/Kg	340 U	350 U	350 U	380 U
129-00-0	Pyrene	ug/Kg	340 U	350 U	350 U	380 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SLAB-02 SLAB-02_2015-9-23 P1444-07 MITKEM P1444 SOIL 9/23/2015 16:15 12/21/2015	SLAB-03 SLAB-03_2015-9-23 P1444-04 MITKEM P1444 SOIL 9/23/2015 13:50 12/21/2015	Dup of SLAB-03_2015-9-23 SLAB-03 SLAB-030_2015-9-23 P1444-05 MITKEM P1444 SOIL 9/23/2015 12:01 12/21/2015	SLAB-04 SLAB-04_2015-9-23 P1444-03 MITKEM P1444 SOIL 9/23/2015 13:30 12/21/2015
CAS NO.	COMPOUND	UNITS:				
	PESTICIDES					
309-00-2	Aldrin	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
959-98-8	Alpha Endosulfan	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
5103-71-9	cis-Chlordane	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
33213-65-9	Beta Endosulfan	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
5103-74-2	trans-Chlordane	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
60-57-1	Dieldrin	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
1031-07-8	Endosulfan Sulfate	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
72-20-8	Endrin	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
7421-93-4	Endrin Aldehyde	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
53494-70-5	Endrin Ketone	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
76-44-8	Heptachlor	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
1024-57-3	Heptachlor Epoxide	ug/Kg	1.8 U	1.8 U	1.8 U	2 U
72-43-5	Methoxychlor	ug/Kg	18 U	18 U	18 U	20 U
72-54-8	P,P'-DDD	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
72-55-9	P,P'-DDE	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
50-29-3	P,P'-DDT	ug/Kg	3.5 U	3.5 U	3.5 U	3.9 U
8001-35-2	Toxaphene	ug/Kg	180 U	180 U	180 U	200 U
	PCBs					
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	35 U	35 U	35 U	39 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	35 U	35 U	35 U	39 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	35 U	35 U	35 U	39 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	35 U	35 U	35 U	39 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	35 U	35 U	35 U	39 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	35 U	35 U	35 U	39 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	35 U	35 U	35 U	39 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	35 U	35 U	35 U	39 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	35 U	35 U	35 U	39 U
	HERBICIDES					
93-72-1	Silvex (2,4,5-TP)	ug/Kg	3.4 U	3.5 U	3.5 U	3.8 U
	INORGANICS					
7429-90-5	Aluminum	mg/Kg	2410	2430	2500	2430
7440-36-0	Antimony	mg/Kg	0.32 U	0.32 U	0.34 U	0.34 U
7440-38-2	Arsenic	mg/Kg	1.7	1	2.6	1.3
7440-39-3	Barium	mg/Kg	32.8	6.3 J	8.8 J	14.1
7440-41-7	Beryllium	mg/Kg	0.18 J	0.13 J	0.14 J	0.19 J
7440-43-9	Cadmium	mg/Kg	0.065 J	0.025 J	0.056 J	0.061 J
7440-70-2	Calcium	mg/Kg	2930	1260	2590	2250
16065-83-1	Chromium Iii	mg/Kg	4 U	4 U	4 U	4 U
18540-29-9	Chromium, Hexavalent	mg/Kg	4.2 U	4.2 U	4.3 U	4.7 U
7440-47-3	Chromium, Total	mg/Kg	2.9	2	2.9	2.5
7440-48-4	Cobalt	mg/Kg	12.2	3.6 J	9.9 J	17.9
7440-50-8	Copper	mg/Kg	17.1	3 J	7.6 J	7.7
7439-89-6	Iron	mg/Kg	12400	4340	6560	11300
7439-92-1	Lead	mg/Kg	4.7	3.1 J	6.8 J	2.7
7439-95-4	Magnesium	mg/Kg	855	518	580	760
7439-96-5	Manganese	mg/Kg	162	42.4	57.7	90.7
7439-97-6	Mercury	mg/Kg	0.0093 J	0.0026 J	0.0027 J	0.003 U
7440-02-0	Nickel	mg/Kg	6.8	2.9 J	5.4 J	4.9
7440-09-7	Potassium	mg/Kg	513	181	194	257
7782-49-2	Selenium	mg/Kg	0.54 U	0.53 U	0.93 J	0.57 U
7440-22-4	Silver	mg/Kg	0.054 U	0.053 U	0.057 U	0.057 U
7440-23-5	Sodium	mg/Kg	93.1	38.8 J	41.3 J	39.5 J
7440-28-0	Thallium	mg/Kg	0.21 J	0.18 U	0.2 U	0.19 U
7440-62-2	Vanadium	mg/Kg	10.6	3.3	4.7	9.3
7440-66-6	Zinc	mg/Kg	23.4	29.2	46.5	19.5
57-12-5	Cyanide	mg/Kg	0.451 U	0.515 U	0.448 U	0.552 U
	OTHER					
MOIST	Moisture, Percent	%	5.1	5.8	6.8	15

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SLAB-05 SLAB-05_2015-9-23 P1444-02 MITKEM P1444 SOIL 9/23/2015 12:10 12/21/2015	SLAB-06 SLAB-06_2015-9-23 P1444-01 MITKEM P1444 SOIL 9/23/2015 11:30 12/21/2015	RNS RNS-2015-9-25 P1444-15 MITKEM P1444 SOIL 9/25/2015 9:30 12/21/2015
CAS NO.	COMPOUND	UNITS:			ug/L
	VOLATILES				
630-20-6	1,1,1,2-Tetrachloroethane	ug/Kg	4.3 U	4.2 U	1 U
71-55-6	1,1,1-Trichloroethane	ug/Kg	4.3 U	4.2 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/Kg	4.3 U	4.2 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/Kg	4.3 U	4.2 U	1 U
75-34-3	1,1-Dichloroethane	ug/Kg	4.3 U	4.2 U	1 U
75-35-4	1,1-Dichloroethene	ug/Kg	4.3 U	4.2 U	1 U
563-58-6	1,1-Dichloropropene	ug/Kg	4.3 U	4.2 U	1 U
87-61-6	1,2,3-Trichlorobenzene	ug/Kg	4.3 U	4.2 U	1 U
96-18-4	1,2,3-Trichloropropane	ug/Kg	4.3 U	4.2 U	1 U
120-82-1	1,2,4-Trichlorobenzene	ug/Kg	4.3 U	4.2 U	1 U
95-63-6	1,2,4-Trimethylbenzene	ug/Kg	4.3 U	4.2 U	1 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/Kg	4.3 U	4.2 U	1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	4.3 U	4.2 U	1 U
95-50-1	1,2-Dichlorobenzene	ug/Kg	4.3 U	4.2 U	1 U
107-06-2	1,2-Dichloroethane	ug/Kg	4.3 U	4.2 U	1 U
78-87-5	1,2-Dichloropropane	ug/Kg	4.3 U	4.2 U	1 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/Kg	4.3 U	4.2 U	1 U
541-73-1	1,3-Dichlorobenzene	ug/Kg	4.3 U	4.2 U	1 U
142-28-9	1,3-Dichloropropane	ug/Kg	4.3 U	4.2 U	1 U
106-46-7	1,4-Dichlorobenzene	ug/Kg	4.3 U	4.2 U	1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/Kg	87 UJ	84 UJ	100 UJ
594-20-7	2,2-Dichloropropane	ug/Kg	4.3 U	4.2 U	1 U
95-49-8	2-Chlorotoluene	ug/Kg	4.3 U	4.2 U	1 U
591-78-6	2-Hexanone	ug/Kg	4.3 U	4.2 U	5 U
106-43-4	4-Chlorotoluene	ug/Kg	4.3 U	4.2 U	1 U
67-64-1	Acetone	ug/Kg	4.3 U	4.2 U	5 U
71-43-2	Benzene	ug/Kg	4.3 U	4.2 U	1 U
108-86-1	Bromobenzene	ug/Kg	4.3 U	4.2 U	1 U
74-97-5	Bromochloromethane	ug/Kg	4.3 U	4.2 U	1 U
75-27-4	Bromodichloromethane	ug/Kg	4.3 U	4.2 U	1 U
75-25-2	Bromoform	ug/Kg	4.3 U	4.2 U	1 U
74-83-9	Bromomethane	ug/Kg	4.3 U	4.2 U	1 U
75-15-0	Carbon Disulfide	ug/Kg	4.3 U	4.2 U	1 U
56-23-5	Carbon Tetrachloride	ug/Kg	4.3 U	4.2 U	1 U
108-90-7	Chlorobenzene	ug/Kg	4.3 U	4.2 U	1 U
75-00-3	Chloroethane	ug/Kg	4.3 U	4.2 U	1 U
67-66-3	Chloroform	ug/Kg	4.3 U	4.2 U	1 U
74-87-3	Chloromethane	ug/Kg	4.3 U	4.2 U	1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/Kg	4.3 U	4.2 U	1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/Kg	4.3 U	4.2 U	1 U
99-87-6	Cymene	ug/Kg	4.3 U	4.2 U	1 U
124-48-1	Dibromochloromethane	ug/Kg	4.3 U	4.2 U	1 U
74-95-3	Dibromomethane	ug/Kg	4.3 U	4.2 U	1 U
75-71-8	Dichlorodifluoromethane	ug/Kg	4.3 U	4.2 U	1 U
1330-20-7	Xylenes	ug/Kg	4.3 U	4.2 U	1 U
100-41-4	Ethylbenzene	ug/Kg	4.3 U	4.2 U	1 U
74-88-4	Iodomethane (Methyl Iodide)	ug/Kg	4.3 U	4.2 U	1 U
98-82-8	Isopropylbenzene (Cumene)	ug/Kg	4.3 U	4.2 U	1 U
179601-23-1	m,p-Xylene	ug/Kg	4.3 U	4.2 U	1 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/Kg	4.3 U	4.2 U	5 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/Kg	4.3 U	4.2 U	5 U
75-09-2	Methylene Chloride	ug/Kg	4.3 U	4.2 U	1 U
104-51-8	N-Butylbenzene	ug/Kg	4.3 U	4.2 U	1 U
103-65-1	N-Propylbenzene	ug/Kg	4.3 U	4.2 U	1 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/Kg	4.3 U	4.2 U	1 U
135-98-8	Sec-Butylbenzene	ug/Kg	4.3 U	4.2 U	1 U
100-42-5	Styrene	ug/Kg	4.3 U	4.2 U	1 U
98-06-6	T-Butylbenzene	ug/Kg	4.3 U	4.2 U	1 U
75-65-0	Tert-Butyl Alcohol	ug/Kg	8.7 U	8.4 U	10 U
1634-04-4	Tert-Butyl Methyl Ether	ug/Kg	4.3 U	4.2 U	1 U
127-18-4	Tetrachloroethylene (PCE)	ug/Kg	4.3 U	4.2 U	1 U
108-88-3	Toluene	ug/Kg	4.3 U	4.2 U	1 U
156-60-5	Trans-1,2-Dichloroethene	ug/Kg	4.3 U	4.2 U	1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/Kg	4.3 U	4.2 U	1 U
79-01-6	Trichloroethylene (TCE)	ug/Kg	4.3 UJ	4.2 UJ	1 U
75-69-4	Trichlorofluoromethane	ug/Kg	4.3 U	4.2 U	1 U
108-05-4	Vinyl Acetate	ug/Kg	4.3 U	4.2 U	1 U
75-01-4	Vinyl Chloride	ug/Kg	4.3 U	4.2 U	1 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SLAB-05 SLAB-05_2015-9-23 P1444-02 MITKEM P1444 SOIL 9/23/2015 12:10 12/21/2015	SLAB-06 SLAB-06_2015-9-23 P1444-01 MITKEM P1444 SOIL 9/23/2015 11:30 12/21/2015	RNS RNS-2015-9-25 P1444-15 MITKEM P1444 SOIL 9/25/2015 9:30 12/21/2015
CAS NO.	COMPOUND	UNITS:			ug/L
	SEMIVOLATILES				
95-95-4	2,4,5-Trichlorophenol	ug/Kg	800 U	680 U	20 U
88-06-2	2,4,6-Trichlorophenol	ug/Kg	390 U	340 U	10 U
120-83-2	2,4-Dichlorophenol	ug/Kg	390 U	340 U	10 U
105-67-9	2,4-Dimethylphenol	ug/Kg	390 U	340 U	10 U
51-28-5	2,4-Dinitrophenol	ug/Kg	800 U	680 U	20 U
121-14-2	2,4-Dinitrotoluene	ug/Kg	390 U	340 U	10 U
606-20-2	2,6-Dinitrotoluene	ug/Kg	390 U	340 U	10 U
91-58-7	2-Chloronaphthalene	ug/Kg	390 U	340 U	10 U
95-57-8	2-Chlorophenol	ug/Kg	390 U	340 U	10 U
91-57-6	2-Methylnaphthalene	ug/Kg	390 U	340 U	10 U
95-48-7	2-Methylphenol (O-Cresol)	ug/Kg	390 U	340 U	10 U
88-74-4	2-Nitroaniline	ug/Kg	800 U	680 U	20 U
88-75-5	2-Nitrophenol	ug/Kg	390 U	340 U	10 U
91-94-1	3,3'-Dichlorobenzidine	ug/Kg	390 U	340 U	10 U
99-09-2	3-Nitroaniline	ug/Kg	800 U	680 U	20 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/Kg	800 U	680 U	20 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/Kg	390 U	340 U	10 U
59-50-7	4-Chloro-3-Methylphenol	ug/Kg	390 U	340 U	10 U
106-47-8	4-Chloroaniline	ug/Kg	390 U	340 U	10 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/Kg	390 U	340 U	10 U
106-44-5	4-Methylphenol (P-Cresol)	ug/Kg	390 U	340 U	10 U
100-01-6	4-Nitroaniline	ug/Kg	800 U	680 U	20 U
100-02-7	4-Nitrophenol	ug/Kg	800 U	680 U	20 U
83-32-9	Acenaphthene	ug/Kg	390 U	340 U	10 U
208-96-8	Acenaphthylene	ug/Kg	390 U	340 U	10 U
120-12-7	Anthracene	ug/Kg	390 U	340 U	10 U
56-55-3	Benzo(A)Anthracene	ug/Kg	390 U	340 U	10 UJ
50-32-8	Benzo(A)Pyrene	ug/Kg	390 U	340 U	10 U
205-99-2	Benzo(B)Fluoranthene	ug/Kg	390 U	370	10 U
191-24-2	Benzo(G,H,I)Perylene	ug/Kg	390 U	340 U	10 U
207-08-9	Benzo(K)Fluoranthene	ug/Kg	390 U	280 J	10 U
85-68-7	Benzyl Butyl Phthalate	ug/Kg	390 U	340 U	10 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/Kg	390 U	340 U	10 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/Kg	390 U	340 U	10 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/Kg	390 U	340 U	10 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/Kg	390 U	340 U	3.2 J
86-74-8	Carbazole	ug/Kg	390 U	340 U	10 U
218-01-9	Chrysene	ug/Kg	390 U	340 U	10 U
53-70-3	Dibenz(A,H)Anthracene	ug/Kg	390 U	340 U	10 U
132-64-9	Dibenzofuran	ug/Kg	390 U	340 U	10 U
84-66-2	Diethyl Phthalate	ug/Kg	390 U	340 U	10 U
131-11-3	Dimethyl Phthalate	ug/Kg	200 J	140 J	2.4 J
84-74-2	Di-N-Butyl Phthalate	ug/Kg	390 U	340 U	10 U
117-84-0	Di-N-Octylphthalate	ug/Kg	390 U	340 U	10 U
206-44-0	Fluoranthene	ug/Kg	390 U	170 J	10 U
86-73-7	Fluorene	ug/Kg	390 U	340 U	10 U
118-74-1	Hexachlorobenzene	ug/Kg	390 U	340 U	10 U
77-47-4	Hexachlorocyclopentadiene	ug/Kg	390 U	340 U	10 U
67-72-1	Hexachloroethane	ug/Kg	390 U	340 U	10 U
87-68-3	Hexachlorobutadiene	ug/Kg	390 U	340 U	10 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/Kg	390 U	340 U	10 U
78-59-1	Isophorone	ug/Kg	390 U	340 U	10 U
91-20-3	Naphthalene	ug/Kg	390 U	340 U	10 U
98-95-3	Nitrobenzene	ug/Kg	390 U	340 U	10 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/Kg	390 U	340 U	10 U
86-30-6	N-Nitrosodiphenylamine	ug/Kg	390 U	340 U	10 U
87-86-5	Pentachlorophenol	ug/Kg	800 UJ	680 UJ	20 UJ
85-01-8	Phenanthrene	ug/Kg	390 U	71 J	10 U
108-95-2	Phenol	ug/Kg	390 U	340 U	10 U
129-00-0	Pyrene	ug/Kg	390 U	530	10 U

NYSDEC-J&L Steel Site 2015 Site Investigation Validated Soil Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SLAB-05 SLAB-05_2015-9-23 P1444-02 MITKEM P1444 SOIL 9/23/2015 12:10 12/21/2015	SLAB-06 SLAB-06_2015-9-23 P1444-01 MITKEM P1444 SOIL 9/23/2015 11:30 12/21/2015	RNS RNS-2015-9-25 P1444-15 MITKEM P1444 SOIL 9/25/2015 9:30 12/21/2015
CAS NO.	COMPOUND	UNITS:			ug/L
	PESTICIDES				
309-00-2	Aldrin	ug/Kg	2 U	3.3 J	0.05 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/Kg	2 U	2.2	0.05 U
959-98-8	Alpha Endosulfan	ug/Kg	2 U	1	0.05 U
5103-71-9	cis-Chlordane	ug/Kg	2 U	1.8 U	0.05 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/Kg	2 U	1.8 U	0.05 U
33213-65-9	Beta Endosulfan	ug/Kg	4 U	3.4 U	0.1 U
5103-74-2	trans-Chlordane	ug/Kg	2 U	2.8 JN	0.05 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/Kg	2 U	1.8 U	0.05 U
60-57-1	Dieldrin	ug/Kg	4 U	3.4 U	0.1 U
1031-07-8	Endosulfan Sulfate	ug/Kg	4 U	3.4 U	0.1 U
72-20-8	Endrin	ug/Kg	4 U	3.4 U	0.1 U
7421-93-4	Endrin Aldehyde	ug/Kg	4 U	3.4 U	0.1 U
53494-70-5	Endrin Ketone	ug/Kg	4 U	1.8 JN	0.1 U
58-89-9	Gamma Bhc (Lindane)	ug/Kg	2 U	1.8 U	0.05 U
76-44-8	Heptachlor	ug/Kg	2 U	2.6	0.05 U
1024-57-3	Heptachlor Epoxide	ug/Kg	2 U	1.8 U	0.05 U
72-43-5	Methoxychlor	ug/Kg	20 U	18 U	0.5 U
72-54-8	P,P'-DDD	ug/Kg	4 U	14 J	0.1 U
72-55-9	P,P'-DDE	ug/Kg	4 U	3.4 U	0.1 U
50-29-3	P,P'-DDT	ug/Kg	4 U	2.9 JN	0.1 U
8001-35-2	Toxaphene	ug/Kg	200 U	180 U	5 U
	PCBs				
12674-11-2	PCB-1016 (Aroclor 1016)	ug/Kg	40 U	34 U	1 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/Kg	40 U	34 U	1 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/Kg	40 U	34 U	1 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/Kg	40 U	34 U	1 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/Kg	40 U	210	1 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/Kg	40 U	34 U	1 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/Kg	40 U	34 U	1 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/Kg	40 U	34 U	1 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/Kg	40 U	34 U	1 U
	HERBICIDES				
93-72-1	Silvex (2,4,5-TP)	ug/Kg	4 U	3.4 U	0.097
	INORGANICS				
7429-90-5	Aluminum	mg/Kg	3560	4240	66 U
7440-36-0	Antimony	mg/Kg	0.4 U	0.35 U	9.3 U
7440-38-2	Arsenic	mg/Kg	1.5	8.3	4.3 U
7440-39-3	Barium	mg/Kg	39.3	223	5.6 J
7440-41-7	Beryllium	mg/Kg	0.15 J	0.22 J	0.26 U
7440-43-9	Cadmium	mg/Kg	0.047 J	0.61	0.89 U
7440-70-2	Calcium	mg/Kg	2270	4530	443 J
16065-83-1	Chromium Iii	mg/Kg	4 U	4.2	
18540-29-9	Chromium, Hexavalent	mg/Kg	4.8 U	4.2 U	
7440-47-3	Chromium, Total	mg/Kg	3.6	4.2	4.4 J
7440-48-4	Cobalt	mg/Kg	8.6	47.5	1.3 J
7440-50-8	Copper	mg/Kg	19.2	200	3.6 U
7439-89-6	Iron	mg/Kg	16800	42100	75.2 J
7439-92-1	Lead	mg/Kg	7.8	49.3	4.2 U
7439-95-4	Magnesium	mg/Kg	491	1850	76 U
7439-96-5	Manganese	mg/Kg	142	267	10 U
7439-97-6	Mercury	mg/Kg	0.03 J	0.025 J	0.028 U
7440-02-0	Nickel	mg/Kg	7.2	51	3 J
7440-09-7	Potassium	mg/Kg	249	1430	209 J
7782-49-2	Selenium	mg/Kg	0.67 U	0.86 J	12 U
7440-22-4	Silver	mg/Kg	0.067 U	1.9	6.9 U
7440-23-5	Sodium	mg/Kg	18 J	33.7 J	178 J
7440-28-0	Thallium	mg/Kg	0.49 J	1.1	6.2 U
7440-62-2	Vanadium	mg/Kg	16.1	23.6	1.8 J
7440-66-6	Zinc	mg/Kg	16.7	91.6	19.3 J
57-12-5	Cyanide	mg/Kg	0.485 U	0.423 U	5 U
	OTHER				
MOIST	Moisture, Percent	%	16	3.8	

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR WASTE SAMPLES

NYSDEC-J&L Steel Site 2015 Site Investigation Waste Characterization-Liquid SDG: P1446		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	LW_2015-9-25 LW_2015-9-25 P1466-01 MITKEM P1466 SOIL 9/25/2015 9:00 12/21/2015
CAS NO.	COMPOUND	UNITS:	
	VOLATILES		
630-20-6	1,1,1,2-Tetrachloroethane	ug/L	1 U
71-55-6	1,1,1-Trichloroethane	ug/L	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	1 U
79-00-5	1,1,2-Trichloroethane	ug/L	1 U
75-34-3	1,1-Dichloroethane	ug/L	1 U
75-35-4	1,1-Dichloroethene	ug/L	1 U
563-58-6	1,1-Dichloropropene	ug/L	1 U
87-61-6	1,2,3-Trichlorobenzene	ug/L	1 U
96-18-4	1,2,3-Trichloropropane	ug/L	1 U
120-82-1	1,2,4-Trichlorobenzene	ug/L	1 U
95-63-6	1,2,4-Trimethylbenzene	ug/L	1 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1 U
107-06-2	1,2-Dichloroethane	ug/L	1 U
78-87-5	1,2-Dichloropropane	ug/L	1 U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/L	1 U
541-73-1	1,3-Dichlorobenzene	ug/L	1 U
142-28-9	1,3-Dichloropropane	ug/L	1 U
106-46-7	1,4-Dichlorobenzene	ug/L	1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/L	100 U
594-20-7	2,2-Dichloropropane	ug/L	1 U
95-49-8	2-Chlorotoluene	ug/L	1 U
591-78-6	2-Hexanone	ug/L	5 U
106-43-4	4-Chlorotoluene	ug/L	1 U
67-64-1	Acetone	ug/L	5 U
71-43-2	Benzene	ug/L	1 U
108-86-1	Bromobenzene	ug/L	1 U
74-97-5	Bromochloromethane	ug/L	1 U
75-27-4	Bromodichloromethane	ug/L	1 U
75-25-2	Bromoform	ug/L	1 U
74-83-9	Bromomethane	ug/L	1 U
75-15-0	Carbon Disulfide	ug/L	1 U
56-23-5	Carbon Tetrachloride	ug/L	1 U
108-90-7	Chlorobenzene	ug/L	1 U
75-00-3	Chloroethane	ug/L	1 U
67-66-3	Chloroform	ug/L	1 U
74-87-3	Chloromethane	ug/L	1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/L	1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/L	1 U
99-87-6	Cymene	ug/L	1 U
124-48-1	Dibromochloromethane	ug/L	1 U
74-95-3	Dibromomethane	ug/L	1 U
75-71-8	Dichlorodifluoromethane	ug/L	1 U
1330-20-7	Xylenes	ug/L	1 U
100-41-4	Ethylbenzene	ug/L	1 U
87-68-3	Hexachlorobutadiene	ug/L	10 U
74-88-4	Iodomethane (Methyl Iodide)	ug/L	1 U
98-82-8	Isopropylbenzene (Cumene)	ug/L	1 U
179601-23-1	m,p-Xylene	ug/L	1 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	5 U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	5 U
75-09-2	Methylene Chloride	ug/L	1 U
91-20-3	Naphthalene	ug/L	10 U
104-51-8	N-Butylbenzene	ug/L	1 U
103-65-1	N-Propylbenzene	ug/L	1 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/L	1 U
135-98-8	Sec-Butylbenzene	ug/L	1 U
100-42-5	Styrene	ug/L	1 U
98-06-6	T-Butylbenzene	ug/L	1 U
75-65-0	Tert-Butyl Alcohol	ug/L	10 U
1634-04-4	Tert-Butyl Methyl Ether	ug/L	1 U
127-18-4	Tetrachloroethylene (PCE)	ug/L	1 U
108-88-3	Toluene	ug/L	1 U
156-60-5	Trans-1,2-Dichloroethene	ug/L	1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/L	1 U
79-01-6	Trichloroethylene (TCE)	ug/L	1 U
75-69-4	Trichlorofluoromethane	ug/L	1 U
108-05-4	Vinyl Acetate	ug/L	1 U
75-01-4	Vinyl Chloride	ug/L	1 U

NYSDEC-J&L Steel Site 2015 Site Investigation Waste Characterization-Liquid SDG: P1446		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	LW_2015-9-25 LW_2015-9-25 P1466-01 MITKEM P1466 SOIL 9/25/2015 9:00 12/21/2015
CAS NO.	COMPOUND	UNITS:	
	SEMIVOLATILES		
95-95-4	2,4,5-Trichlorophenol	ug/L	20 U
88-06-2	2,4,6-Trichlorophenol	ug/L	10 U
120-83-2	2,4-Dichlorophenol	ug/L	10 U
105-67-9	2,4-Dimethylphenol	ug/L	10 U
51-28-5	2,4-Dinitrophenol	ug/L	20 U
121-14-2	2,4-Dinitrotoluene	ug/L	10 U
606-20-2	2,6-Dinitrotoluene	ug/L	10 U
95-50-1	1,2-Dichlorobenzene	ug/L	10 U
91-58-7	2-Chloronaphthalene	ug/L	10 U
95-57-8	2-Chlorophenol	ug/L	10 U
91-57-6	2-Methylnaphthalene	ug/L	10 U
95-48-7	2-Methylphenol (O-Cresol)	ug/L	10 U
88-74-4	2-Nitroaniline	ug/L	20 U
88-75-5	2-Nitrophenol	ug/L	10 U
91-94-1	3,3'-Dichlorobenzidine	ug/L	10 U
99-09-2	3-Nitroaniline	ug/L	20 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	20 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/L	10 U
59-50-7	4-Chloro-3-Methylphenol	ug/L	10 U
106-47-8	4-Chloroaniline	ug/L	10 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	10 U
106-44-5	4-Methylphenol (P-Cresol)	ug/L	10 U
100-01-6	4-Nitroaniline	ug/L	20 U
100-02-7	4-Nitrophenol	ug/L	20 U
83-32-9	Acenaphthene	ug/L	10 U
208-96-8	Acenaphthylene	ug/L	10 U
120-12-7	Anthracene	ug/L	10 U
56-55-3	Benzo(A)Anthracene	ug/L	10 UJ
50-32-8	Benzo(A)Pyrene	ug/L	10 U
205-99-2	Benzo(B)Fluoranthene	ug/L	10 U
191-24-2	Benzo(G,H,I)Perylene	ug/L	10 U
207-08-9	Benzo(K)Fluoranthene	ug/L	10 U
85-68-7	Benzyl Butyl Phthalate	ug/L	10 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	10 U
111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	10 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	10 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	10 U
86-74-8	Carbazole	ug/L	10 U
218-01-9	Chrysene	ug/L	10 U
53-70-3	Dibenz(A,H)Anthracene	ug/L	10 U
132-64-9	Dibenzofuran	ug/L	10 U
84-66-2	Diethyl Phthalate	ug/L	10 U
131-11-3	Dimethyl Phthalate	ug/L	2.4 J
84-74-2	Di-N-Butyl Phthalate	ug/L	10 U
117-84-0	Di-N-Octylphthalate	ug/L	10 U
206-44-0	Fluoranthene	ug/L	10 U
86-73-7	Fluorene	ug/L	10 U
118-74-1	Hexachlorobenzene	ug/L	10 U
77-47-4	Hexachlorocyclopentadiene	ug/L	10 U
67-72-1	Hexachloroethane	ug/L	10 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	10 U
78-59-1	Isophorone	ug/L	10 U
98-95-3	Nitrobenzene	ug/L	10 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/L	10 U
86-30-6	N-Nitrosodiphenylamine	ug/L	10 U
87-86-5	Pentachlorophenol	ug/L	20 UJ
85-01-8	Phenanthrene	ug/L	10 U
108-95-2	Phenol	ug/L	10 U
129-00-0	Pyrene	ug/L	10 U

NYSDEC-J&L Steel Site 2015 Site Investigation Waste Characterization-Liquid SDG: P1446		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	LW_2015-9-25 LW_2015-9-25 P1466-01 MITKEM P1466 SOIL 9/25/2015 9:00 12/21/2015
CAS NO.	COMPOUND	UNITS:	
	PESTICIDES		
309-00-2	Aldrin	ug/L	0.05 U
319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/L	0.05 U
959-98-8	Alpha Endosulfan	ug/L	0.05 U
5103-71-9	cis-Chlordane	ug/L	0.05 U
319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/L	0.05 U
33213-65-9	Beta Endosulfan	ug/L	0.1 U
5103-74-2	trans-Chlordane	ug/L	0.05 U
319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/L	0.05 U
60-57-1	Dieldrin	ug/L	0.1 U
1031-07-8	Endosulfan Sulfate	ug/L	0.1 U
72-20-8	Endrin	ug/L	0.1 U
7421-93-4	Endrin Aldehyde	ug/L	0.1 U
53494-70-5	Endrin Ketone	ug/L	0.1 U
58-89-9	Gamma Bhc (Lindane)	ug/L	0.05 U
76-44-8	Heptachlor	ug/L	0.05 U
1024-57-3	Heptachlor Epoxide	ug/L	0.05 U
72-43-5	Methoxychlor	ug/L	0.5 U
72-54-8	P,P'-DDD	ug/L	0.1 U
72-55-9	P,P'-DDE	ug/L	0.1 U
50-29-3	P,P'-DDT	ug/L	0.1 U
8001-35-2	Toxaphene	ug/L	5 U
	PCBs		
12674-11-2	PCB-1016 (Aroclor 1016)	ug/L	1 U
11104-28-2	PCB-1221 (Aroclor 1221)	ug/L	1 U
11141-16-5	PCB-1232 (Aroclor 1232)	ug/L	1 U
53469-21-9	PCB-1242 (Aroclor 1242)	ug/L	1 U
12672-29-6	PCB-1248 (Aroclor 1248)	ug/L	1 U
11097-69-1	PCB-1254 (Aroclor 1254)	ug/L	1 U
11096-82-5	PCB-1260 (Aroclor 1260)	ug/L	1 U
37324-23-5	PCB-1262 (Aroclor 1262)	ug/L	1 U
11100-14-4	PCB-1268 (Aroclor 1268)	ug/L	1 U
	METALS		
7429-90-5	Aluminum	ug/L	2400
7440-36-0	Antimony	ug/L	9.3 U
7440-38-2	Arsenic	ug/L	4.3 U
7440-39-3	Barium	ug/L	51 J
7440-41-7	Beryllium	ug/L	0.26 U
7440-43-9	Cadmium	ug/L	0.89 U
7440-70-2	Calcium	ug/L	35000 J
7440-47-3	Chromium, Total	ug/L	2.2 J
7440-48-4	Cobalt	ug/L	0.91 J
7440-50-8	Copper	ug/L	4.1 J
7439-89-6	Iron	ug/L	13000
7439-92-1	Lead	ug/L	10 U
7439-95-4	Magnesium	ug/L	6500
7439-96-5	Manganese	ug/L	240
7439-97-6	Mercury	ug/L	0.028 U
7440-02-0	Nickel	ug/L	2.1 J
7440-09-7	Potassium	ug/L	4500
7782-49-2	Selenium	ug/L	12 U
7440-22-4	Silver	ug/L	6.9 U
7440-23-5	Sodium	ug/L	49000 J
7440-28-0	Thallium	ug/L	6.2 U
7440-62-2	Vanadium	ug/L	1.1 U
7440-66-6	Zinc	ug/L	13 J
	OTHER		
IGNITB	Ignitability	deg f	150
PH	pH	ph units	7
	WASTE CHARACTERISTICS		
57-12-5	Reactive Cyanide	mg/L	25 U
18496-25-8	Reactive Sulfide	mg/L	50 U

NYSDEC-J&L Steel Site 2015 Site Investigation Waste Characterization-Solid SDG: P1446		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SW_2015-9-25 SW_2015-9-25 P1466-02 MITKEM P1466 SOIL 9/25/2015 9:00 12/21/2015
CAS NO.	COMPOUND	UNITS:	
	TCLP VOLATILES		
75-35-4	1,1-Dichloroethene	ug/L	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 U
106-46-7	1,4-Dichlorobenzene	ug/L	5 U
71-43-2	Benzene	ug/L	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U
108-90-7	Chlorobenzene	ug/L	5 U
67-66-3	Chloroform	ug/L	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	5 U
127-18-4	Tetrachloroethylene (PCE)	ug/L	5 U
79-01-6	Trichloroethylene (TCE)	ug/L	5 U
75-01-4	Vinyl Chloride	ug/L	5 U
	TCLP SEMIVOLATILES		
95-95-4	2,4,5-Trichlorophenol	ug/L	67 U
88-06-2	2,4,6-Trichlorophenol	ug/L	33 U
121-14-2	2,4-Dinitrotoluene	ug/L	33 U
95-48-7	2-Methylphenol (O-Cresol)	ug/L	33 U
106-44-5	4-Methylphenol (P-Cresol)	ug/L	33 U
118-74-1	Hexachlorobenzene	ug/L	33 U
87-68-3	Hexachlorobutadiene	ug/L	33 U
67-72-1	Hexachloroethane	ug/L	33 U
98-95-3	Nitrobenzene	ug/L	33 U
87-86-5	Pentachlorophenol	ug/L	67 UJ
110-86-1	Pyridine	ug/L	67 U
	TCLP PESTICIDES		
12789-03-6	Chlordane (Technical)	ug/L	8.3 U
72-20-8	Endrin	ug/L	0.33 U
58-89-9	Gamma Bhc (Lindane)	ug/L	0.17 U
76-44-8	Heptachlor	ug/L	0.17 U
1024-57-3	Heptachlor Epoxide	ug/L	0.17 U
72-43-5	Methoxychlor	ug/L	1.7 U
8001-35-2	Toxaphene	ug/L	17 U
	TCLP		
93-72-1	Silvex (2,4,5-TP)	ug/L	0.11 J
94-75-7	2,4-D (Dichlorophenoxyacetic Acid)	ug/L	3.3 U
	TCLP METALS		
7440-38-2	Arsenic	ug/L	9.7 J
7440-39-3	Barium	ug/L	96 J
7440-43-9	Cadmium	ug/L	0.89 U
7440-47-3	Chromium, Total	ug/L	1.4 J
7439-92-1	Lead	ug/L	10 J
7439-97-6	Mercury	ug/L	0.028 U
7782-49-2	Selenium	ug/L	12 U
7440-22-4	Silver	ug/L	6.9 U
	OTHER		
MOIST	Moisture, Percent	%	22
	WASTE CHARACTERISTICS		
IGNITB	Ignitability	deg f	200
PH	pH	ph units	6.6
57-12-5	Reactive Cyanide	mg/Kg	0.028 U
18496-25-8	Reactive Sulfide	mg/Kg	47.7 U

APPENDIX C

PRE-DEMOLITION ASBESTOS SURVEY

PRE-DEMOLITION ASBESTOS SURVEY OF BUILDINGS AT FORMER J&L STEEL SITE CLIFTON, NEW YORK

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7012

Prepared By:

PARSONS
301 Plainfield Rd, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

APRIL 2013

PRE-DEMOLITION ASBESTOS SURVEY OF BUILDINGS AT THE FORMER J&L STEEL SITE

A survey to determine the presence of asbestos-containing material (ACM) prior to building demolition is required by the New York State Department of Labor (NYSDOL) and the U.S. Environmental Protection Agency (EPA). Parsons conducted surveys for twelve buildings at the former J&L Steel site in Star Lake, NY, during September, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The last known owner of the property, located on NY Route 3 in the Town of Clifton, Saint Lawrence County, NY, is Dongrove Holdings Limited, of Woodstock, New Brunswick, Canada. This survey was performed for the New York State Department of Environmental Conservation.

The surveys were completed in accordance with local, state and federal regulations, and conform to sampling protocol detailed in the Asbestos Hazard Emergency Response Act (AHERA). Representative bulk samples of suspect-ACM were collected randomly from homogeneous surfaces. The number of samples collected was determined by the type and quantity of the material. Samples collected totaled 160.

In addition to the above samples, one field duplicate bulk sample was submitted for every 20 samples collected, for QA/QC purposes. Eight duplicate samples were submitted.

Laboratory services were provided by EMSL Analytical of Depew, New York. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). Sample analysis was conducted using Polarized Light Microscopy (PLM) in accordance with the New York State Environmental Laboratory Approval Program (ELAP) 198.1 Method (for friable materials) or ELAP 198.6 Method for non-friable, organically bound (NOB) materials. Transmission Electron Microscopy (TEM) analysis was performed to address New York State Department of Health (NYSDOH) requirements, which require re-analysis of NOB samples with asbestos reported as non-detected (ELAP 198.4 Method). Any building material containing greater than one percent asbestos is considered an ACM.

A pre-demolition asbestos survey of site buildings was previously completed by Jack Eisenbach Engineering, P.C. for the St. Lawrence County Industrial Development Agency in 1993. Parsons' survey served to update the 1993 survey and conform to current regulations. Samples were collected from building materials suspected to contain asbestos that either were not sampled during the 1993 survey or the results from the 1993 survey were negative for friable asbestos, or did not include non-friable analysis.

The buildings surveyed include:

- Building 1
- Building 2
- Buildings 3 and 4 (connected buildings)

- Building 5
- Building 6
- Building 7
- Building 8
- Building 9
- Building 10
- Building 18
- Building 20

Other structures at the site were not included in this survey. An asbestos survey report for each surveyed building is attached, along with copies of laboratory reports for samples collected at each building. Estimated quantities of ACM / PACM are to be verified by abatement contractor.

A series of inaccessible tunnels exists, connecting many site buildings. A probable access point in Building 7 has PACM-insulated pipes entering a tunnel. Historical documents indicate the tunnels contain steam lines, water lines and petroleum transfer lines. The tunnels are believed to run from Buildings 2, 3, 7, 6, 9, 10, near 20, and possibly to additional buildings that no longer exist, as shown in Figure 1.

During the surveys, certain areas of some building were inaccessible due to access or safety concerns. Such limitations are noted in the individual reports.

Samples of caulk and glazing were collected from buildings during the asbestos survey and analyzed for polychlorinated biphenyl (PCB) content. Sampling results are noted in the asbestos report for each building where PCB samples were collected. Some materials will require classification as hazardous waste if removed.

A copy of the Parsons asbestos license and the building inspector certification are attached.

FIGURE

LEGEND:

1 – GATE HOUSE
2 – CHANGE HOUSE
3 – LABORATORY
4 – STORAGE
5 – OIL STORAGE
6 – PAINT STORAGE
7 – WAREHOUSE
8 – OFFICE
9 – THAW SHED
10 – ELECTRICAL SHOP
12 – MACHINE SHOP
18 – PUMP HOUSE
20 – SWITCH GEAR HOUSE
22 – SINTER PLANT
23 – SCALE HOUSE
32 – BUILDING ON BENSON MINES SITE

PROPERTY LINE

WATER

300 150 0 300 600

SCALE: 1"=300'

FIGURE 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

BUILDING IDENTIFICATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\REPORT\447415-RPT-001.DWG
PLOT DATE 7/13/2017 - PLOTTED BY RUSSO, JILL

CERTIFICATIONS

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Parsons Engineering Of New York, Inc.
Suite 350
301 Plainfield Rd.

Syracuse, NY 13212

FILE NUMBER: 00-0769
LICENSE NUMBER: 29234
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 04/24/2012
EXPIRATION DATE: 04/30/2013

Duly Authorized Representative – Thomas H Abrams:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

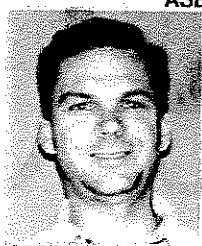
Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



JAMES D DOUGLASS
CLASS(EXPIRES)
C ATEC(11/11) D INSP(11/12)
H PM (11/12)

CERT# 95-01295
DMV# 217734101

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 6' 00"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

BUILDING 1

Building 1 is a single story concrete structure built in 1955 as a gate house. The building contains 105 square feet of space plus an oval overhanging roof. Parsons conducted a pre-demolition survey for Building 1 on August 31, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The building is in fair condition, with some windows missing. A floor access panel in the NE corner of the building was inaccessible.

Two materials were previously determined to contain asbestos; two additional suspect-ACMs were identified and sampled.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted.

ACM Survey Summary for Building 1					
Material	**Description / Location**	**Sample ID**	**Asbestos Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Floor tile and associated mastic	**9" x 9" red floor tiles and mastic**	**Previously sampled**	**ACM**	**Poor, Non-friable**	**105 SF**
Roofing	**Black tar-like material over concrete decking**	**Previously sampled**	**ACM**	**Poor, Non-friable**	**150 SF**
Window caulk	**Older, white / gray caulk at windows and doors**	**J1-WCK-1-1**	**1.1% Chrysotile**	**Poor, Non-friable**	**3 SF**
		J1-WCK-1-2			
Window caulk	White / gray caulk at windows, appears newer	J1-WCK-2-1	None detected	NA	NA
		J1-WCK-2-2	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 8 include the following:

- Red 9" by 9" ACM floor tile and associated mastic were identified during previous surveys and is present throughout the interior of Building 1. The flooring is in poor condition and totals 105 SF.
- Previous surveys identified suspect roofing materials as "upper roof" and "lower roof", with 2 types of material each. Two of these materials tested positive for asbestos; two materials did not. Currently, the flat roof on Building 1 consists of a thick layer of weathered black tar-like material, with no apparent upper or lower division. Based on the previous testing, the roof is considered ACM; total quantity is 150 SF.
- White / gray window caulking is present between window and door frames and the surrounding concrete and metal. Two types of caulk were identified, one appears older and one appears newer. The older material tested positive for asbestos and total quantity is estimated at 3 SF.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- White / gray caulk around window frames that appears newer than other window / door caulk.

Materials that may be present in Building 1 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone/Fax: (716) 651-0030 / (716) 651-0394
http://www.emsl.com buffalolab@emsl.com

EMSL Order:	141204719
CustomerID:	PARS53
CustomerPO:	447415
ProjectID:	J&L Steel Site

Attn: **Dan Douglass**
Parsons Engineering Science
301 Plainfield Road
Suite 350
Syracuse, NY 13212

Phone:	(315) 451-9560
Fax:	(315) 451-9570
Received:	09/25/12 2:45 PM
Analysis Date:	10/3/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 1, 5 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J1-WCK-1-1 *141204719-0001*	exterior gray window caulk	Gray Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J1-WCK-1-2 *141204719-0002*	exterior gray window caulk				**Positive Stop (Not Analyzed)**
J1-WCK-2-1 *141204719-0003*	white window caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J1-WCK-2-2 *141204719-0004*	white window caulk	White Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J8-WGL-1-1 *141204719-0005*	gray window glazing	Gray Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J8-WGL-1-2 *141204719-0006*	gray window glazing				**Positive Stop (Not Analyzed)**
J5-WCK-1-1 *141204719-0007*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J5-WCK-1-2 *141204719-0008*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Tom Hanes (6)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 09:50:27

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone/Fax: (716) 651-0030 / (716) 651-0394
http://www.emsl.com buffalolab@emsl.com

EMSL Order:	141204719
CustomerID:	PARS53
CustomerPO:	447415
ProjectID:	J&L Steel Site

Attn: **Dan Douglass**
Parsons Engineering Science
301 Plainfield Road
Suite 350
Syracuse, NY 13212

Phone:	(315) 451-9560
Fax:	(315) 451-9570
Received:	09/25/12 2:45 PM
Analysis Date:	10/4/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 1, 5 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J1-WCK-1-1 *141204719-0001*	exterior gray window caulk					
Not Analyzed						
J1-WCK-1-2 *141204719-0002*	exterior gray window caulk					
Not Analyzed						
J1-WCK-2-1 *141204719-0003*	white window caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J1-WCK-2-2 *141204719-0004*	white window caulk	White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J8-WGL-1-1 *141204719-0005*	gray window glazing					
Not Analyzed						
J8-WGL-1-2 *141204719-0006*	gray window glazing					
Not Analyzed						
J5-WCK-1-1 *141204719-0007*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J5-WCK-1-2 *141204719-0008*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rachel Giese (4)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 09:50:27

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ProjectID:	J&L Steel Site

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Received:	10/08/12 12:48 PM
Analysis Date:	10/16/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J10-PIA-8-1 *141204965-0013*	black pipe insulation	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-PIA-8-2 *141204965-0014*	black pipe insulation	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Tom Hanes (2)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/16/2012 11:31:36

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Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J5-MTL-2-1 *141204965-0011*	gray granular material	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J5-MTL-2-2 *141204965-0012*	gray granular material	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J10-SC-9-1 *141204965-0015*	silver tin coating	Gray/Silver Fibrous Homogeneous		42.90% Non-fibrous (other)	**57.10% Chrysotile**
J10-SC-9-2 *141204965-0016*	silver tin coating				**Positive Stop**
J20-PL-11-1 *141204965-0017*	paper lining	White Fibrous Homogeneous		0.00% Non-fibrous (other)	**100.00% Chrysotile**
J20-PL-11-2 *141204965-0018*	paper lining				**Positive Stop**

Analyst(s)

Tom Hanes (4)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/16/2012 11:31:36

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Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
JDP-1-1 *141204965-0001*	debris pile material, black/silver tar-like - material	Black Non-Fibrous Homogeneous	73.4	None	26.6	Chrysotile	26.6
JDP-1-2 *141204965-0002*	debris pile material, black/silver tar-like - material						
Positive Stop (Not Analyzed)							
JDP-2-1 *141204965-0003*	debris pile material, black/silver tar-like layer	Black Non-Fibrous Homogeneous	62.7	None	37.3	Chrysotile	37.3
JDP-2-2 *141204965-0004*	debris pile material, black/silver tar-like layer						
Positive Stop (Not Analyzed)							
JDP-3-1 *141204965-0005*	debris pile material, black/silver tar-like sheets	Black Non-Fibrous Homogeneous	73.0	None	27.0	Chrysotile	27.0
JDP-3-2 *141204965-0006*	debris pile material, black/silver tar-like sheets						
Positive Stop (Not Analyzed)							
JDP-4-1 *141204965-0007*	debris pile material, black/silver tin coating	Black Non-Fibrous Homogeneous	63.2	None	36.8	Chrysotile	36.8
JDP-4-2 *141204965-0008*	debris pile material, black/silver tin coating						
Positive Stop (Not Analyzed)							

Analyst(s)

Tom Hanes (7)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Received:	10/08/12 12:48 PM
Analysis Date:	10/22/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
JDP-5-1 *141204965-0009*	debris pile material, gray tin coating	Black Non-Fibrous Homogeneous	42.0	None	58.0 Chrysotile	58.0
JDP-5-2 *141204965-0010*	debris pile material, gray tin coating					
Positive Stop (Not Analyzed)						
J10-PIA-8-1 *141204965-0013*	black pipe insulation	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-PIA-8-2 *141204965-0014*	black pipe insulation	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Tom Hanes (7)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/16/2012 11:31:36

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Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
JL-D-3 *141204966-0003*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
JL-D-4 *141204966-0004*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
JL-D-6 *141204966-0006*	Duplicate sample	Black Non-Fibrous Homogeneous	97.4	None	**2.6% Chrysotile** **2.6% Total**
JL-D-8 *141204966-0008*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
JL-D-10 *141204966-0010*	Duplicate sample	Black Non-Fibrous Homogeneous	84.6	None	**15.4% Chrysotile** **15.4% Total**
JL-D-11 *141204966-0011*	Duplicate sample	Brown /Gray Non-Fibrous Homogeneous	77.6	None	**22.4% Chrysotile** **22.4% Total**
JL-D-12 *141204966-0012*	Duplicate sample	Black Non-Fibrous Homogeneous	88.8	None	**11.2% Chrysotile** **11.2% Total**

Analyst(s)

Taron Williams (7)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/15/2012 17:20:54

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Received:	10/08/12 12:48 PM
Analysis Date:	10/17/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
JL-D-1 *141204966-0001*	Duplicate sample	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
JL-D-2 *141204966-0002*	Duplicate sample	Gray/White Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	**None Detected**
JL-D-5 *141204966-0005*	Duplicate sample	White Fibrous Homogeneous		20.00% Non-fibrous (other)	**80.00% Chrysotile**
JL-D-7 *141204966-0007*	Duplicate sample	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
JL-D-9 *141204966-0009*	Duplicate sample	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Tom Hanes (5)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

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Received:	10/08/12 12:48 PM
Analysis Date:	10/18/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
JL-D-3 *141204966-0003*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	99.0	None	<1%	Chrysotile	<1
JL-D-4 *141204966-0004*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
JL-D-6 *141204966-0006* Not Analyzed	Duplicate sample						
JL-D-8 *141204966-0008*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	99.1	None	<1%	Anthophyllite	<1
JL-D-10 *141204966-0010* Not Analyzed	Duplicate sample						
JL-D-11 *141204966-0011* Not Analyzed	Duplicate sample						
JL-D-12 *141204966-0012* Not Analyzed	Duplicate sample						

Analyst(s)

Rachel Giese (3)

Rhonda McGee

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/15/2012 17:20:54

BUILDING 2

Building 2 is one-story concrete block building with basement and attic. It was originally built in 1946, with two additions added at a later time and used as a change house and for medical. Parsons conducted a pre-demolition survey for the building on August 31 and September 10, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The building contains approximately 8,067 square feet, is now abandoned and in poor condition. Most windows and doors in the structure are broken or missing and portions of the roof have collapsed. Debris covers most interior surfaces. The attic space was inaccessible due to safety concerns and the basement was inaccessible due to flooding and unsafe stairs.

A structural engineer recommends the roof not be accessed due to deterioration of the roof.

Four ACMs were identified during previous surveys and 12 additional suspect-ACMs were identified during the latest survey. Thirty-seven samples were collected, and two of these materials tested positive for asbestos. Debris found in the building should also be considered ACM.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted. Caulk and glazing materials known to contain over 50 ppm of PCBs are also indicated.

ACM Survey Summary for Building 2

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Roofing	Built-up material on flat roof; some roofing material has collapsed into building interior	Previously sampled	ACM	Poor Non-friable	2,700 SF
Floor tile and associated mastic	9” by 9” tile with mastic	Previously sampled	ACM	Poor Non-friable	3,550 SF
Duct insulation	Overhead in cellar stairway	Inaccessible	PACM	Unknown	Unknown
Ceiling plaster	In offices. Ceilings have collapsed leaving debris in office areas	Previously sampled	ACM	Poor, friable	3,300 SF
Pipe insulation	4” and 6” lines covered with white material, mostly overhead	Previously sampled	ACM	Poor, friable	260 LF
Window glazing	Gray glazing on metal-framed windows	J2-WGL-1-1	1.2% Chrysotile	Poor Non-friable	4 SF
		J2-WGL-1-2			
Window, door caulking	White /gray caulk on metal-framed windows	J2-WCK-2-1	8.8% Chrysotile (contains 272 ppm of PCBs)	Poor Non-friable	4 SF
		J2-WCK-2-2			
Debris	Gray / black debris covering floor of warehouse	J2-DEB-8-1	PACM	Poor, friable	1,500 SF
		J2-DEB-8-2			

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Debris	**Debris on floor in office areas**	**J2-DEB-13-1**	**PACM**	**Poor, friable**	**3,300 SF**
		J2-DEB-13-2			
Note: Additional amounts of ACM / PACM may be located in the inaccessible attic and basement spaces.					
Roof shingles	Dark gray shingles on peaked roof sections	J2-RS-4-1	None detected	NA	NA
		J2-RS-4-2	None detected	NA	NA
Wall plaster	White, outer layer of plaster (skim coat), in office areas. Sections of plaster have deteriorated, covering interior surfaces.	J2-WPL-5-1	None detected	NA	NA
		J2-WPL-5-2	None detected	NA	NA
		J2-WPL-5-3	None detected	NA	NA
		J2-WPL-5-4	None detected	NA	NA
		J2-WPL-5-5	None detected	NA	NA
		J2-WPL-5-6	None detected	NA	NA
		J2-WPL-5-7	None detected	NA	NA
Wall material	White board material in office areas	J2-WL-7-1	None detected	NA	NA
		J2-WL-7-2	None detected	NA	NA
		J2-WL-7-3	None detected	NA	NA
Wall plaster	Gray plaster undercoat	J2-WPL-9-1	None detected	NA	NA
		J2-WPL-9-2	None detected	NA	NA
		J2-WPL-9-3	None detected	NA	NA
		J2-WPL-9-4	None detected	NA	NA
		J2-WPL-9-5	None detected	NA	NA
		J2-WPL-9-6	None detected	NA	NA
		J2-WPL-9-7	None detected	NA	NA
Wall board (untaped)	Gray untaped wall board material	J2-WLB-10-1	None detected	NA	NA
		J2-WLB-10-2	None detected	NA	NA
		J2-WLB-10-3	None detected	NA	NA
Wall mastic	Gray mastic	J2-WLM-11-1	None detected	NA	NA
		J2-WLM-11-2	None detected	NA	NA
Wall material	White brittle layer on plaster wall near sink area	J2-WLM-12-1	None detected	NA	NA
		J2-WLM-12-2	None detected	NA	NA
		J2-WLM-12-3	None detected	NA	NA
Ceiling panels	Cementitious ceiling material throughout addition areas	J2-CLP-14-1	None detected	NA	NA
		J2-CLP-14-2	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 2 include the following:

- The built-up roofing material on the flat-roofed additions previously tested positive for asbestos. A hole in the roof is over a large storage room near the north end of the building, with roofing debris scattered about the interior floor. See discussion about debris, below. Quantity of the built-

up roofing is 2,700 SF. (Roofing shingles on the peaked-roof sections tested negative for asbestos).

- Floor tile and associated mastic were previously determined to contain asbestos. This material is present in the office areas on the south and east sides of Building 2. Dust and debris cover most of the flooring, making exact identification and description of the material difficult. Some of the debris my also contain asbestos. Area of the tile and mastic is approximately 3,550 SF.
- Ceiling plaster in Building 2 is ACM, located in office areas on the south and east sides of the building. This material has collapsed in many areas, leaving debris on surfaces. See discussion about debris, below. Area of ACM ceiling plaster was previously determined to be 3,300 SF. Wall plaster and other wall materials tested negative for asbestos.
- Insulation on 4-inch and 6-inch piping was determined to be ACM based on previous surveys and is present overhead in several areas of Building 2. This material is found in the rest rooms / shower rooms along the west wall and in the large warehouse space to the east of the rest rooms. The pipes may also be located in the basement and / or attic spaces, which were inaccessible. Other piping was noted without insulation. Previous estimates placed quantity of ACM pipe insulation as 260 LF.
- An inaccessible duct overhead in the cellar stairway appears to be insulated and is considered PACM. The duct may also be present in the inaccessible attic space. Friability, condition and quantity are unknown.
- Gray glazing between glass panes and metal window frames was found to contain asbestos. Along many windows, only remnants of the material remain. Estimated quantity is 4 SF.
- White / gray caulk between the exterior block walls and metal window and door frames tested positive for asbestos. In several locations, only remnants of the caulk remain. This material was also determined to contain 272 ppm of PCBs. Estimated quantity of the caulk is 4 SF.
- Debris – Samples were collected from debris present on surfaces in office areas and from the warehouse / storage space. Analyses indicated the samples contain less than 1% asbestos. However, due to the characteristics of the debris, which consists partly of ACM ceiling plaster (in office areas) and ACM roofing (warehouse space), debris in these areas should be considered PACM. Area of debris in office areas is estimated to be 3,300 SF; debris in the warehouse / storage space is approximately 1,500 SF. Roofing debris is also present of the ground surrounding the structure.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- Dark gray shingles on the peaked roof sections of Building 2 (Built-up roofing on flat roof areas is ACM).
- White, outer layer of wall plaster (skim coat) found in office areas.
- Gray undercoat of wall plaster (under skim coat).
- White board wall material found in SW room.
- Gray untaped wall board found in SW room.
- Gray wall mastic found in SW room.
- White brittle layer on plaster wall near sink area.
- Cementitious panels on ceilings in building additions (may be above other ceiling materials).

Other materials noted in Building 2 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Received:	09/25/12 2:45 PM
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Project: **NYSDEC/447415 PARSONS / J & L Bldg 2**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J2-WGL-1-1 *141204726-0001*	window glazing, metal windows	Gray Non-Fibrous Homogeneous	98.8	None	**1.2% Chrysotile** **1.2% Total**
J2-WGL-1-2 *141204726-0002*	window glazing, metal windows				**Positive Stop (Not Analyzed)**
J2-WCK-2-1 *141204726-0003*	window caulk, white, on metal frames	Gray Non-Fibrous Homogeneous	91.2	None	**8.8% Chrysotile** **8.8% Total**
J2-WCK-2-2 *141204726-0004*	window caulk, white, on metal frames				**Positive Stop (Not Analyzed)**
J2-RS-4-1 *141204726-0005*	black roof shingles	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J2-RS-4-2 *141204726-0006*	black roof shingles	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J2-WLM-11-1 *141204726-0029*	gray mastic (no paper)	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J2-WLM-11-2 *141204726-0030*	gray mastic (no paper)	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Rachel Giese (6)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 10:14:47

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Received:	09/25/12 2:45 PM
Analysis Date:	10/9/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 2**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J-WPL-5-1 *141204726-0007*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WPL-5-2 *141204726-0008*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WPL-5-3 *141204726-0009*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WPL-5-4 *141204726-0010*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WPL-5-5 *141204726-0011*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WPL-5-6 *141204726-0012*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WPL-5-7 *141204726-0013*	white plaster skim coat	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Taron Williams (25)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 2**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J-WL-7-1 *141204726-0014*	white wall material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WL-7-2 *141204726-0015*	white wall material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J-WL-7-3 *141204726-0016*	white wall material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WPL-9-1 *141204726-0019*	gray plaster undercoat	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WPL-9-2 *141204726-0020*	gray plaster undercoat	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WPL-9-3 *141204726-0021*	gray plaster undercoat	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WPL-9-4 *141204726-0022*	gray plaster undercoat	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

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Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J2-WPL-9-5 *141204726-0023*	gray plaster undercoat	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WPL-9-6 *141204726-0024*	gray plaster undercoat	Gray Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WPL-9-7 *141204726-0025*	gray plaster undercoat	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WLB-10-1 *141204726-0026*	untaped, wall board material	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WLB-10-2 *141204726-0027*	untaped, wall board material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WLB-10-3 *141204726-0028*	untaped, wall board material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WLM-12-1 *141204726-0031*	white wall material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

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Analysis Date:	10/9/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 2**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J2-WLM-12-2 *141204726-0032*	white wall material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-WLM-12-3 *141204726-0033*	white wall material	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-CLP-14-1 *141204726-0036*	ceiling panels	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J2-CLP-14-2 *141204726-0037*	ceiling panels	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 2**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J2-WGL-1-1 *141204726-0001*	window glazing, metal windows					
Not Analyzed						
J2-WGL-1-2 *141204726-0002*	window glazing, metal windows					
Not Analyzed						
J2-WCK-2-1 *141204726-0003*	window caulk, white, on metal frames					
Not Analyzed						
J2-WCK-2-2 *141204726-0004*	window caulk, white, on metal frames					
Not Analyzed						
J2-RS-4-1 *141204726-0005*	black roof shingles	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J2-RS-4-2 *141204726-0006*	black roof shingles	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J2-DEB-8-1 *141204726-0017*	debris on floor in large room	Brown Non-Fibrous Heterogeneous	99.8	None	<1% Chrysotile	<1
J2-DEB-8-2 *141204726-0018*	debris on floor in large room	Brown Non-Fibrous Heterogeneous	99.8	None	<1% Chrysotile	<1
J2-WLM-11-1 *141204726-0029*	gray mastic (no paper)	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rhonda McGee (8)

Rhonda McGee, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 10:14:47

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 2**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J2-WLM-11-2 *141204726-0030*	gray mastic (no paper)	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J2-DEB-13-1 *141204726-0034*	debris on floor in offices	Brown Non-Fibrous Heterogeneous	99.6	None	<1% Chrysotile	<1
J2-DEB-13-2 *141204726-0035*	debris on floor in offices	Brown Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rhonda McGee (8)

Rhonda McGee

Rhonda McGee, Laboratory Manager
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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 10:14:47

BUILDING 3 AND 4

Buildings 3 and 4 are attached one-story concrete block buildings that appear as a single structure. Parsons conducted a pre-demolition survey for the structures on September 6, 2012, by a NYSDOL-certified Asbestos Building Inspector.

Building 3 has wood flooring and roof decking, with a basement and attic. It was used as a lab. Building 4 was used for storage and cannot be entered except through Building 3. Both structures are abandoned.

Building 3 contains 1,915 square feet of space and is in poor condition, with partially collapsed roof, floors and ceilings. Most windows and doors are broken or missing and debris covers much of interior surfaces. Some of this debris consists of broken / collapsed ceiling plaster and roofing, which has tested positive for asbestos. Due to safety concerns, access inside Building 3 was limited; the basement and attic were not entered, also due to safety concerns.

Building 4 has 2,191 square feet of space and appears mostly intact; it has no exterior doors or windows. Due to unsafe conditions in Building 3, Building 4 interior was inaccessible.

A structural engineer has determined that access to roof and interior of Building 3 is not allowed due to the deteriorated conditions.

Five materials were previously determined, or are known to contain asbestos; four in Building 3 and one in Building 4. Five additional suspect-ACMs were identified in Building 3, and ten samples were collected. Four of these sampled materials tested positive for asbestos. Suspect materials inside Building 4 are considered PACM, as the space is inaccessible.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted. Caulk and glazing materials known to contain over 50 ppm of PCBs are also indicated.

ACM Survey Summary for Building 3

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Transite lab tops	**NW room**	**Previously sampled**	**ACM**	**Fair, Non-friable**	**400 SF**
Floor tile and associated mastic	**In most of building, beneath debris**	**Previously sampled**	**ACM**	**Poor, Non-friable**	**1,100 SF**
Ceiling plaster	**Collapsed, with debris on interior surfaces**	**Previously sampled**	**ACM**	**Poor, friable**	**225 SF**
Pipe insulation	**4" diameter piping**	**Previously sampled**	**ACM**	**Poor, friable**	**145 LF**
Window glazing	**Gray material at metal-frame windows**	**J3-WGL-2-1**	**1.4% Chrysotile**	**Poor, Non-friable**	**2 SF**
		J3-WGL-2-2			
Window caulk	**Gray material at metal-frame windows**	**J3-WCK-3-1**	**1.5% Chrysotile** (contains 1,470 ppm of PCB)	**Poor, Non-friable**	**2 SF**
		J3-WCK-3-2			

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Window glazing	**Gray material at wood-frame windows**	**J3-WGL-4-1**	**1.2% Anthophyllite**	**Poor, Non-friable**	**2 SF**
		J3-WGL-4-2			
Roofing	**Tar-like outer layer on peaked roof. Debris inside building.**	**J3-RF-7-1**	**1.2% Chrysotile**	**Poor, Non-friable**	**2,100 SF**
		J3-RF-7-2			
Debris	**On interior surfaces**	**Not sampled**	**PACM**	**Poor, friable**	**1,915 SF**
Roofing	Black vapor barrier under tar-like layer	J3-RV-6-1	None detected	NA	NA
		J3-RV-6-2	None detected	NA	NA
ACM Survey Summary for Building 4					
Material	**Description / Location**	**Sample ID**	**Asbestos Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Roofing	**Corrugated transite panels**	**Previously sampled**	**ACM**	**Fair, Non-friable**	**3,300 SF**
Suspect materials	**Interior of Bldg 4**	**Inaccessible**	**PACM**	**Unknown**	**Unknown**

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Buildings 3 and 4 include the following:

Building 3

- Transite lab tops are present in the east room. They appear intact, but debris covers many surfaces in the space. The previous survey listed 400 SF of the material.
- Floor tile and associated mastic appears to be present in most areas of Building 3, although much of the floor is covered with debris, making identification of the floor material difficult. Floor joists and sub-floor are badly damaged and unsafe. Previous survey showed 1,100 SF of ACM floor tile.
- Ceiling plaster was previously identified in 225 SF of Building 3, most likely in one room. Most ceilings inside the building have collapsed and flooring is unsafe, so the exact location of the ACM ceiling plaster is unknown.
- Pipe insulation on 4-inch lines was identified during a previous survey, totaling 145 LF. The exact location of this ACM insulation is not known due to conditions inside the building, but approximately 18 LF if pipe is visible through a window at the SW corner of Building 3; piping may also be present in the inaccessible basement or attic. Some pipes in the building are uninsulated.
- Window glazing containing asbestos is present between the glass and frame on both wood-framed and metal-framed windows on Building 3. Combined, about 4 SF of ACM glazing is present. The material is in poor condition and only remnants remain.

- Remnants of ACM window caulk is present on metal-framed windows on Building 3, between the frame and block walls. An estimated 2 SF of this material remains. Additionally, this material was analyzed for PCB content and determined to contain 1,470 ppm of PCBs (see Section 3.2.3).
- The tar-like outer layer of roofing material, over a vapor barrier and wood decking, contains asbestos. The roof and underlying deck are in very poor condition, with many holes. Roofing debris is inside the building and on the ground outside. Total quantity is approximately 2,100 SF. A black vapor barrier layer between the tar-like roofing material and the wood deck was not found to contain asbestos.

Building 4

- Corrugated transite panels on the peaked roof of Building 4 contain asbestos. The material appears intact and covers about 3,300 SF.
- Suspect materials inside Building 4 are considered PACM, as the interior of the building is inaccessible.

Non-Asbestos-Containing Materials

Suspect materials that were sampled in Building 3 and 4, and determined by laboratory analyses to be non-ACM include the following:

- Black vapor barrier on roof, under tar-like layer (outer tar-like layer is ACM).

Other materials that may be present in Building 3 and 4 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 3**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J3-WCK-1-1 *141204720-0001*	window caulk, glass block windows				**Not Submitted**
J3-WCK-1-2 *141204720-0002*	window caulk, glass block windows				**Not Submitted**
J3-WGL-2-1 *141204720-0003*	window glazing, metal frames	Gray Non-Fibrous Homogeneous	100	None	**<1% Chrysotile** **Inconclusive - <1% Total**
J3-WGL-2-2 *141204720-0004*	window glazing, metal frames	Gray Non-Fibrous Homogeneous	100	None	**<1% Chrysotile** **Inconclusive - <1% Total**
J3-WCK-3-1 *141204720-0005*	window caulk, wood frames	Gray Non-Fibrous Homogeneous	98.5	None	**1.5% Chrysotile** **1.5% Total**
J3-WCK-3-2 *141204720-0006*	window caulk, wood frames				**Positive Stop (Not Analyzed)**
J3-WGL-4-1 *141204720-0007*	window glazing, wood frames	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J3-WGL-4-2 *141204720-0008*	window glazing, wood frames	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J3-RV-6-1 *141204720-0009*	roofing, black vapor barrier	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Tom Hanes (8)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 13:51:46

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Analysis Date:	10/3/2012
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Project: **NYSDEC/447415 PARSONS / J & L Bldg 3**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J3-RV-6-2 *141204720-0010*	roofing, black vapor barrier	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J3-RF-7-1 *141204720-0011*	roofing, tar-like outer layer	Black Fibrous Heterogeneous	98.8	None	**1.2% Chrysotile** **1.2% Total**
J3-RF-7-2 *141204720-0012*	roofing, tar-like outer layer				**Positive Stop (Not Analyzed)**

Analyst(s)

Tom Hanes (8)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 3**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J3-WCK-1-1 *141204720-0001*	window caulk, glass block windows					
Not Submitted						
J3-WCK-1-2 *141204720-0002*	window caulk, glass block windows					
Not Submitted						
J3-WGL-2-1 *141204720-0003*	window glazing, metal frames	Gray Non-Fibrous Homogeneous	98.6	None	1.4% Chrysotile	1.4
J3-WGL-2-2 *141204720-0004*	window glazing, metal frames					
Positive Stop (Not Analyzed)						
J3-WCK-3-1 *141204720-0005*	window caulk, wood frames					
Not Analyzed						
J3-WCK-3-2 *141204720-0006*	window caulk, wood frames					
Not Analyzed						
J3-WGL-4-1 *141204720-0007*	window glazing, wood frames	Gray Non-Fibrous Homogeneous	98.8	None	1.2% Anthophyllite	1.2
J3-WGL-4-2 *141204720-0008*	window glazing, wood frames					
Positive Stop (Not Analyzed)						
J3-RV-6-1 *141204720-0009*	roofing, black vapor barrier	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rachel Giese (4)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

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SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J3-RV-6-2 *141204720-0010*	roofing, black vapor barrier	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J3-RF-7-1 *141204720-0011*	roofing, tar-like outer layer					
Not Analyzed						
J3-RF-7-2 *141204720-0012*	roofing, tar-like outer layer					
Not Analyzed						

Analyst(s)

Rachel Giese (4)

Rhonda McGee

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 13:51:46

BUILDING 5

Building 5 is a single story concrete structure with a basement built in 1955 for oil storage. The building contains 960 square feet of space per floor. Parsons conducted a pre-demolition survey for Building 5 on August 31, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The building is now abandoned and in poor condition, with all windows and doors missing or broken. Portions of the metal roof decking have collapsed inside the building, and debris of roofing material is scattered around the interior and exterior of the structure.

A structural engineer has determined that access to the roof is unsafe and is not permitted.

Roofing materials were previously determined to contain asbestos; two additional suspect-ACMs were identified and sampled.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted.

ACM Survey Summary for Building 5					
Material	**Description / Location**	**Sample ID**	**Asbestos Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Roofing	**Black rolled / tar-like material on metal decking**	**Previously sampled**	**ACM**	**Poor, Non-friable**	**960 SF**
Window caulk	Hard gray caulk remnants at window and door frames	J5-WCK-1-1	None detected	NA	NA
		J5-WCK-1-2	None detected	NA	NA
Granular material	Bagged, gray material in basement	J5-MTL-2-1	None detected	NA	NA
		J5-MTL-2-2	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 5 include the following:

- Roofing material was previously determined to contain asbestos. The material is found on some remaining areas of the roof decking, plus additional amounts inside the first floor and on the ground surrounding the building. Original roof area is 960 SF.
- Previous surveys also identified ACM tank insulation and pipe wrap in Building 5; neither of these materials was noted during the latest survey and both have apparently been removed. Pipes observed in the building were not insulated and no tank was present.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- Remnants of hard gray caulk around window and door frames.
- Lightweight, gray, granular material stored in unlabeled, broken bags (5 bags total) in the basement.

Materials present in Building 5 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Received:	09/25/12 2:45 PM
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Project: **NYSDEC/447415 PARSONS / J & L Bldg 1, 5 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J1-WCK-1-1 *141204719-0001*	exterior gray window caulk	Gray Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J1-WCK-1-2 *141204719-0002*	exterior gray window caulk				**Positive Stop (Not Analyzed)**
J1-WCK-2-1 *141204719-0003*	white window caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J1-WCK-2-2 *141204719-0004*	white window caulk	White Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J8-WGL-1-1 *141204719-0005*	gray window glazing	Gray Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J8-WGL-1-2 *141204719-0006*	gray window glazing				**Positive Stop (Not Analyzed)**
J5-WCK-1-1 *141204719-0007*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J5-WCK-1-2 *141204719-0008*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Tom Hanes (6)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 09:50:27

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Analysis Date:	10/4/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 1, 5 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J1-WCK-1-1 *141204719-0001*	exterior gray window caulk					
Not Analyzed						
J1-WCK-1-2 *141204719-0002*	exterior gray window caulk					
Not Analyzed						
J1-WCK-2-1 *141204719-0003*	white window caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J1-WCK-2-2 *141204719-0004*	white window caulk	White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J8-WGL-1-1 *141204719-0005*	gray window glazing					
Not Analyzed						
J8-WGL-1-2 *141204719-0006*	gray window glazing					
Not Analyzed						
J5-WCK-1-1 *141204719-0007*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J5-WCK-1-2 *141204719-0008*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rachel Giese (4)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 09:50:27

BUILDING 6

Building 6 is one-story concrete block building with concrete floor and roof decking. Parsons conducted a pre-demolition survey for Building 6 on August 31, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The building was constructed in 1945 as a paint shop and contains approximately 450 square feet. It is now abandoned and in poor condition. All windows and doors are broken or missing; debris covers most of the interior floor. The built-up roofing material is almost totally gone from the roof, but roofing debris is on the ground surrounding the structure. A floor opening to a pit is present, but the pit / tunnel itself was inaccessible.

Additionally, approximately 30 bags are stored in the building, each bag labeled as containing asbestos waste. The yellow bags are badly weathered and most are broken open, exposing their contents. Debris from the bags is present over a large area of the floor. A previous report identifies the waste being from the demolition of Buildings 14 and 15.

Four other suspect-ACMs were identified, and nine samples were collected. One of these materials tested positive for asbestos.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted. Two caulk and glazing materials known to contain PCBs are also indicated.

ACM Survey Summary for Building 6

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Asbestos waste	**Broken bags of ACM waste, with debris on floor**	**Labeled as asbestos**	**ACM**	**Poor, friable**	**30 bags, plus debris on floor**
Window / door caulking	**Gray caulk on door and windows frames**	**J6-WCK-3-1**	**13.3% Chrysotile** (contains 482 ppm of PCB)	**Poor, non-friable**	**2 SF**
		J6-WCK-3-2			
Window glazing	White glazing on wood window frames	J6-WGL-2-1	None detected **(contains 63 ppm of PCB)**	NA	2 SF (for PCB disposal)
		J6-WGL-2-2		NA	
Pipe insulation	White / black paper over fiberglass insulation on 1" line	J6-PI-4-1	None detected	NA	NA
		J6-PI-4-2	None detected	NA	NA
		J6-PI-4-3	None detected	NA	NA
Roofing	Built-up roofing remnants present on roof, plus debris on ground	J6-RF-5-1	None detected	NA	NA
		J6-RF-5-2	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 6 include the following:

- Bags labeled as containing asbestos waste are present inside Building 6. Most of the bags have broken open and contents are exposed, which appear to include white, fibrous pipe insulation and PPE used during asbestos abatement. Approximately 30 bags are present, with additional debris on the floor.
- Window caulk found between wood window frames and concrete walls contains asbestos. Only remnants of this material remain, totaling about 2 SF. Additionally, this material was analyzed for PCB content and determined to contain 482 ppm of PCBs (see Section 3.2.3).

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- White window glazing holding glass to wood frames tested negative for asbestos; however, this material was analyzed for PCB content and determined to contain 63 ppm of PCBs (see Section 3.2.3).
- White paper / foil / tar covering over fiberglass pipe insulation on 1-inch line
- Remnants of built-up roofing and related debris inside and surrounding exterior of building.

Other materials noted in Building 6 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 6, 7**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J6-WGL-2-1 *141204722-0001*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J6-WGL-2-2 *141204722-0002*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-WCK-3-1 *141204722-0003*	gray window caulk	Gray Non-Fibrous Homogeneous	86.7	None	**13.3% Chrysotile** **13.3% Total**
J6-WCK-3-2 *141204722-0004*	gray window caulk				**Positive Stop (Not Analyzed)**
J6-PI-4-1 *141204722-0005*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-PI-4-2 *141204722-0006*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-PI-4-3 *141204722-0007*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-RF-5-1 *141204722-0008*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-RF-5-2 *141204722-0009*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Rachel Giese (16)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J7-TK-1-1 *141204722-0010*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-TK-1-2 *141204722-0011*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-TK-1-3 *141204722-0012*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WGL-2-1 *141204722-0013*	gray glazing on metal frames	Gray Non-Fibrous Homogeneous	98.7	None	**1.3% Chrysotile** **1.3% Total**
J7-WGL-2-2 *141204722-0014*	gray glazing on metal frames				**Positive Stop (Not Analyzed)**
J7-WCK-3-1 *141204722-0015*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WCK-3-2 *141204722-0016*	gray window caulk on wood frames	Gray Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WGL-4-1 *141204722-0017*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WGL-4-2 *141204722-0018*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Rachel Giese (16)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 6, 7**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J6-WGL-2-1 *141204722-0001*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J6-WGL-2-2 *141204722-0002*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J6-WCK-3-1 *141204722-0003* Not Analyzed	gray window caulk					
J6-WCK-3-2 *141204722-0004* Not Analyzed	gray window caulk					
J6-PI-4-1 *141204722-0005*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-PI-4-2 *141204722-0006*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-PI-4-3 *141204722-0007*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-RF-5-1 *141204722-0008*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-RF-5-2 *141204722-0009*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rachel Giese (14)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 09:50:30

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EMSL Order:	141204722
CustomerID:	PARS53
CustomerPO:	447415
ProjectID:	J&L Steel Site

Attn: **Dan Douglass**
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Project: **NYSDEC/447415 PARSONS / J & L Bldg 6, 7**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J7-TK-1-1 *141204722-0010*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-TK-1-2 *141204722-0011*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-TK-1-3 *141204722-0012*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WGL-2-1 *141204722-0013* Not Analyzed	gray glazing on metal frames					
J7-WGL-2-2 *141204722-0014* Not Analyzed	gray glazing on metal frames					
J7-WCK-3-1 *141204722-0015*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WCK-3-2 *141204722-0016*	gray window caulk on wood frames	Gray Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WGL-4-1 *141204722-0017*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WGL-4-2 *141204722-0018*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

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Rhonda McGee

Rhonda McGee, Laboratory Manager
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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 09:50:30

BUILDING 7

Building 7 is one-story concrete block building with concrete floor. It was built in 1953 as a warehouse, contains approximately 12,498 square feet, is now abandoned and in poor condition. Parsons conducted a pre-demolition survey for Building 7 on September 5, 2012, by a NYSDOL-certified Asbestos Building Inspector.

Most windows and doors are broken or missing; roofing debris covers much of the interior floor. One section of the roof is peaked with wood decking; the north section consists of transite panels covered with a tar-like material. Roofing debris was noted on the floor inside and on the ground surrounding the structure. Insulated pipes enter an underground tunnel at the south end of the building, but the tunnel itself was inaccessible.

A structural engineer has determined that access to the roofs on the east and south sections is unsafe and is not permitted. The east office area was not surveyed due to PACM debris on the floor.

Nine materials were previously determined as ACM, or are PACM. Four additional suspect-ACMs were identified and nine samples were collected. One of these sampled materials tested positive for asbestos.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted. Caulk and glazing materials known to contain over 50 ppm of PCBs are also indicated.

ACM Survey Summary for Building 7					
Material	**Description / Location**	**Sample ID**	**Asbestos Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Ceiling and wall plaster, plus debris	**Rooms along east side**	**Previously sampled**	**ACM**	**Poor, friable**	**Original walls and ceiling: 1,125 SF Debris: 525 SF**
Roofing – peaked south portion	**Rolled roofing, plus debris on floor and ground**	**Previously sampled**	**ACM**	**Poor, non-friable.**	**9,000 SF**
Roofing - flat east portion	**Built-up roofing**	**Previously sampled**	**ACM**	**Poor, non-friable.**	**2,000 SF**
Roofing - peaked north portion	**Corrugated transite panels covered with tar-like material**	**Previously sampled**	**ACM**	**Fair, non-friable**	**4,000 SF**
Floor tile and associated mastic	**In office area, east section**	**Previously sampled**	**ACM**	**Poor, non-friable**	**525 SF**
Pipe insulation	**Description and location not identified**	**Previously sampled**	**ACM**	**Poor, friable**	**60 LF**
Pipe insulation	**In tunnel (inaccessible)**	**Previously sampled**	**ACM**	**Poor, friable**	**1,500 LF**

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Pipe and fitting insulation	**Mudded fitting ins., paper / fiberglass pipe ins. on overhead pipes**	**Inaccessible**	**PACM**	**Poor, friable**	**12 fittings; 200 LF pipe**
Transite ceiling panels	**Room at NW corner**	**Known ACM**	**ACM**	**Poor, non-friable**	**225 SF**
Window glazing	**White glazing on metal window frames**	**J7-WGL-2-1**	**1.3% Chrysotile**	**Poor, non-friable**	**8 SF**
		J7-WGL-2-2			
Window caulk	White caulk at window frames	J7-WCK-3-1	None detected **(contains 896 ppm of PCB)**	NA	8 SF (for PCB disposal)
		J7-WCK-3-2			
Tank coating	Black material on 2 upright metal tanks in south end of building	J7-TK-1-1	None detected	NA	NA
		J7-TK-1-2	None detected	NA	NA
		J7-TK-1-3	None detected	NA	NA
Window glazing	White glazing on wood window frames	J7-WGL-4-1	None detected	NA	NA
		J7-WGL-4-2	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 7 include the following:

- Ceiling and wall plaster, plus associated debris, is present in rooms along the east side of the building. Previous surveys found the ceiling plaster to be ACM and wall plaster to be non-ACM. The wall and ceiling plasters are deteriorating, with debris covering the floor. The source of the debris is indistinguishable between wall and ceiling, and so debris is considered PACM. This PACM debris prevents entry into the space, making confirmatory sampling of the wall plaster unattainable. Therefore, all plaster (on walls and ceilings, plus debris) is PACM. Original quantity of ceiling material is 525 SF; original wall plaster quantity is estimated as 600 SF. Debris on the floor covers about 525 SF.
- Roofing - previous surveys determined roofing materials to be ACM:
    - Corrugated transite panels with a tar-like outer layer cover the peaked roof over the north warehouse section. Most panels are in good condition, with some broken sections; quantity is approximately 4,000 SF.
    - Rolled roofing material over wood decking covers the peaked roof over the main (south) warehouse section. Large areas of the decking and roofing material have collapsed onto the warehouse floor; roofing debris covers a large portion of the floor and is also found on exterior surfaces surrounding the building. Roof area in the south section totals approximately 9,000 SF.
    - Built-up roof material covers the flat roof over the east end of the building and was previously determined to contain asbestos. The estimated area is 2,000 SF.

- ACM floor tile and associated mastic is present in the rooms at the east end of the building and totals 525 SF. Much of the flooring is covered with PACM debris from the collapsed ceilings and walls.
- Pipe insulation:
    - Overhead pipe insulation appears to be fiberglass covered with a paper layer. Mudded insulation covers the fittings along this line. The line could not be accessed due to safety considerations. The line runs from the north section, through the main warehouse area to the office (eastern) area. Approximately 200 LF of PACM piping is present, with about 12 PACM mudded fittings.
    - Pipe insulation is present in an under-floor pipe chase which enters a tunnel, visible from the SE mechanical room. The pipe is inaccessible due to safety concerns, but previously tested positive for asbestos. The tunnel appears to proceed south from Building 7 to Building 3. The earlier survey quantified the insulation as 1,500 LF.
    - The previous survey identified 60 LF of ACM pipe insulation. The actual location of this material could not be verified.
- Transite (ACM) ceiling panels are present in the building's NW room. Some panels are broken, with pieces lying on the floor; quantity is 225 SF.
- Window glazing on metal framed glass tested positive for asbestos; glazing on wood-framed windows did not. Estimated quantity of ACM glazing is 8 SF.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- White window caulk at window frames tested negative for asbestos, however, this material was analyzed for PCB content and determined to contain 896 ppm of PCBs (see Section XX). Material is found on the north, east and south sides of the structure.
- Black tar-like coating on two upright tanks in SE mechanical room.
- Window glazing on wood-framed windows (glazing on metal-framed windows is ACM).

Other materials noted in Building 7 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 6, 7**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J6-WGL-2-1 *141204722-0001*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J6-WGL-2-2 *141204722-0002*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-WCK-3-1 *141204722-0003*	gray window caulk	Gray Non-Fibrous Homogeneous	86.7	None	**13.3% Chrysotile** **13.3% Total**
J6-WCK-3-2 *141204722-0004*	gray window caulk				**Positive Stop (Not Analyzed)**
J6-PI-4-1 *141204722-0005*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-PI-4-2 *141204722-0006*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-PI-4-3 *141204722-0007*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-RF-5-1 *141204722-0008*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J6-RF-5-2 *141204722-0009*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Rachel Giese (16)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

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Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J7-TK-1-1 *141204722-0010*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-TK-1-2 *141204722-0011*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-TK-1-3 *141204722-0012*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WGL-2-1 *141204722-0013*	gray glazing on metal frames	Gray Non-Fibrous Homogeneous	98.7	None	**1.3% Chrysotile** **1.3% Total**
J7-WGL-2-2 *141204722-0014*	gray glazing on metal frames				**Positive Stop (Not Analyzed)**
J7-WCK-3-1 *141204722-0015*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WCK-3-2 *141204722-0016*	gray window caulk on wood frames	Gray Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WGL-4-1 *141204722-0017*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**
J7-WGL-4-2 *141204722-0018*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Rachel Giese (16)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

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Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J6-WGL-2-1 *141204722-0001*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J6-WGL-2-2 *141204722-0002*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J6-WCK-3-1 *141204722-0003* Not Analyzed	gray window caulk					
J6-WCK-3-2 *141204722-0004* Not Analyzed	gray window caulk					
J6-PI-4-1 *141204722-0005*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-PI-4-2 *141204722-0006*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-PI-4-3 *141204722-0007*	pipe insulation w/paper/foil/tar-like layers	Gray /Black /Silver Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-RF-5-1 *141204722-0008*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J6-RF-5-2 *141204722-0009*	tar-like roofing remnants on concrete decking	Black Fibrous Heterogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

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J7-TK-1-2 *141204722-0011*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-TK-1-3 *141204722-0012*	black material over metal upright tanks	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WGL-2-1 *141204722-0013* Not Analyzed	gray glazing on metal frames					
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J7-WCK-3-1 *141204722-0015*	gray window caulk on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WCK-3-2 *141204722-0016*	gray window caulk on wood frames	Gray Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WGL-4-1 *141204722-0017*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J7-WGL-4-2 *141204722-0018*	gray window glazing on wood frames	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

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Initial report from 10/05/2012 09:50:30

BUILDING 8

Building 8 is a 2-story concrete block structure built in 1953 as offices. The building has a basement, concrete floors and metal roof decking, containing 3,731 square feet of space per floor. Parsons conducted a pre-demolition survey for Building 8 on September 6, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The building is in very poor condition, with partially collapsed roof, interior walls and ceilings. Many windows and doors are broken or missing; large areas of the roof have collapsed. Thick layers of debris cover much of interior floors. Around the exterior, large trees and brush have grown close to the building, making access difficult. Access both inside and outside of Building 8 was limited.

A structural engineer has deemed the building unsafe for entry.

Three materials were previously determined to contain asbestos; three additional suspect-ACMs were identified.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted.

ACM Survey Summary for Building 8					
Material	**Description / Location**	**Sample ID**	**Asbestos Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Floor tile and associated mastic	**Not determined**	**Previously sampled**	**ACM**	**Poor, Non-friable**	**7,200 SF**
Pipe & fitting insulation	**Not determined**	**Previously sampled**	**ACM**	**Poor, friable**	**910 LF**
Roofing	**Tar-like material over collapsing metal decking**	**Previously sampled**	**ACM**	**Poor, Non-friable**	**3,731 SF**
Debris	**Deteriorating components throughout building** (1^{st}, 2^{nd} fl. and basement)	**Not sampled**	**PACM**	**Poor, friable**	**11,193 SF**
Fabric / paper materials at flooring	**At wire mesh, underside of concrete floors** (1^{st} & 2^{nd} fl.)	**Not sampled**	**PACM**	**Poor, friable**	**7,462 SF**
Window glazing	**Gray material at metal-framed windows**	**J8-WGL-1-1**	**1.1% Chrysotile**	**Poor, Non-friable**	**20 SF**
		J8-WGL-1-2			

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 8 include the following:

- ACM floor tile and associated mastic were identified during previous surveys. Debris from collapsed building components completely blocks access to any flooring, so the extent of existing floor tile is undeterminable. Previous survey showed 7,200 SF of ACM floor tile.

- Pipe and associated fittings with insulation were previously identified as asbestos-containing. Insulated pipe runs are visible through windows along the basement ceiling and lines are likely in other areas of Building 8. Exact locations of pipe and fitting insulation could not be determined due to conditions inside the structure. Previous surveys listed quantity for pipe insulation as 910 LF.
- Roofing was found to contain asbestos during previous surveys. Tar-like material in poor condition covers remaining sections of the roof with additional amounts of roofing debris noted on the ground surrounding Building 8. Roofing debris is also likely on the second floor surfaces.
- White window glazing found on remaining glass panes tested positive for asbestos. Quantity of this material is difficult to determine, but an estimate of 20 SF may be appropriate.
- Debris from deteriorated components covers almost every surface in the building. Remnants of plaster walls and ceilings, metal partitions, conduits, piping and other fixtures are piled on floors and stairs up to 3-feet deep. Previous surveys sampled components referred to as: wall plaster, ceiling plaster, ceiling material, kick plate and Pyrobar block. These materials were reported to contain no asbestos, but additional sampling should be done to confirm. Sampling cannot now be done, however, as these materials are now either indistinguishable or lay beneath piles of debris. Therefore, existing debris throughout the building is considered PACM.
- The undersides of the concrete floors include a wire mesh with added fabric and building paper. These fabric and paper layers are presumed ACMs, as access to the materials is unsafe. The materials would be difficult to separate from the concrete and are assumed to be present beneath the entire first and second floors; estimated quantity is 7,462 SF.

Non-Asbestos-Containing Materials

Materials noted in Building 8 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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EMSL Order:	141204719
CustomerID:	PARS53
CustomerPO:	447415
ProjectID:	J&L Steel Site

Attn: **Dan Douglass**
Parsons Engineering Science
301 Plainfield Road
Suite 350
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Fax:	(315) 451-9570
Received:	09/25/12 2:45 PM
Analysis Date:	10/3/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 1, 5 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J1-WCK-1-1 *141204719-0001*	exterior gray window caulk	Gray Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J1-WCK-1-2 *141204719-0002*	exterior gray window caulk				**Positive Stop (Not Analyzed)**
J1-WCK-2-1 *141204719-0003*	white window caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J1-WCK-2-2 *141204719-0004*	white window caulk	White Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J8-WGL-1-1 *141204719-0005*	gray window glazing	Gray Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J8-WGL-1-2 *141204719-0006*	gray window glazing				**Positive Stop (Not Analyzed)**
J5-WCK-1-1 *141204719-0007*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J5-WCK-1-2 *141204719-0008*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Tom Hanes (6)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 09:50:27

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Fax:	(315) 451-9570
Received:	09/25/12 2:45 PM
Analysis Date:	10/4/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 1, 5 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J1-WCK-1-1 *141204719-0001*	exterior gray window caulk					
Not Analyzed						
J1-WCK-1-2 *141204719-0002*	exterior gray window caulk					
Not Analyzed						
J1-WCK-2-1 *141204719-0003*	white window caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J1-WCK-2-2 *141204719-0004*	white window caulk	White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J8-WGL-1-1 *141204719-0005*	gray window glazing					
Not Analyzed						
J8-WGL-1-2 *141204719-0006*	gray window glazing					
Not Analyzed						
J5-WCK-1-1 *141204719-0007*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J5-WCK-1-2 *141204719-0008*	gray window / door caulk	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rachel Giese (4)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Phone:	(315) 451-9560
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Received:	10/08/12 12:48 PM
Analysis Date:	10/16/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J10-PIA-8-1 *141204965-0013*	black pipe insulation	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-PIA-8-2 *141204965-0014*	black pipe insulation	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Tom Hanes (2)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

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Received:	10/08/12 12:48 PM
Analysis Date:	10/17/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J5-MTL-2-1 *141204965-0011*	gray granular material	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J5-MTL-2-2 *141204965-0012*	gray granular material	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J10-SC-9-1 *141204965-0015*	silver tin coating	Gray/Silver Fibrous Homogeneous		42.90% Non-fibrous (other)	**57.10% Chrysotile**
J10-SC-9-2 *141204965-0016*	silver tin coating				**Positive Stop**
J20-PL-11-1 *141204965-0017*	paper lining	White Fibrous Homogeneous		0.00% Non-fibrous (other)	**100.00% Chrysotile**
J20-PL-11-2 *141204965-0018*	paper lining				**Positive Stop**

Analyst(s)

Tom Hanes (4)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Received:	10/08/12 12:48 PM
Analysis Date:	10/22/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
JDP-1-1 *141204965-0001*	debris pile material, black/silver tar-like - material	Black Non-Fibrous Homogeneous	73.4	None	26.6	Chrysotile	26.6
JDP-1-2 *141204965-0002*	debris pile material, black/silver tar-like - material						
Positive Stop (Not Analyzed)							
JDP-2-1 *141204965-0003*	debris pile material, black/silver tar-like layer	Black Non-Fibrous Homogeneous	62.7	None	37.3	Chrysotile	37.3
JDP-2-2 *141204965-0004*	debris pile material, black/silver tar-like layer						
Positive Stop (Not Analyzed)							
JDP-3-1 *141204965-0005*	debris pile material, black/silver tar-like sheets	Black Non-Fibrous Homogeneous	73.0	None	27.0	Chrysotile	27.0
JDP-3-2 *141204965-0006*	debris pile material, black/silver tar-like sheets						
Positive Stop (Not Analyzed)							
JDP-4-1 *141204965-0007*	debris pile material, black/silver tin coating	Black Non-Fibrous Homogeneous	63.2	None	36.8	Chrysotile	36.8
JDP-4-2 *141204965-0008*	debris pile material, black/silver tin coating						
Positive Stop (Not Analyzed)							

Analyst(s)

Tom Hanes (7)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Received:	10/08/12 12:48 PM
Analysis Date:	10/22/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
JDP-5-1 *141204965-0009*	debris pile material, gray tin coating	Black Non-Fibrous Homogeneous	42.0	None	58.0 Chrysotile	58.0
JDP-5-2 *141204965-0010*	debris pile material, gray tin coating					
Positive Stop (Not Analyzed)						
J10-PIA-8-1 *141204965-0013*	black pipe insulation	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-PIA-8-2 *141204965-0014*	black pipe insulation	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Tom Hanes (7)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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ProjectID:	J&L Steel Site

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Received:	10/08/12 12:48 PM
Analysis Date:	10/15/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
JL-D-3 *141204966-0003*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
JL-D-4 *141204966-0004*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
JL-D-6 *141204966-0006*	Duplicate sample	Black Non-Fibrous Homogeneous	97.4	None	**2.6% Chrysotile** **2.6% Total**
JL-D-8 *141204966-0008*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
JL-D-10 *141204966-0010*	Duplicate sample	Black Non-Fibrous Homogeneous	84.6	None	**15.4% Chrysotile** **15.4% Total**
JL-D-11 *141204966-0011*	Duplicate sample	Brown /Gray Non-Fibrous Homogeneous	77.6	None	**22.4% Chrysotile** **22.4% Total**
JL-D-12 *141204966-0012*	Duplicate sample	Black Non-Fibrous Homogeneous	88.8	None	**11.2% Chrysotile** **11.2% Total**

Analyst(s)

Taron Williams (7)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

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Initial report from 10/15/2012 17:20:54

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Fax:	(315) 451-9570
Received:	10/08/12 12:48 PM
Analysis Date:	10/17/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
JL-D-1 *141204966-0001*	Duplicate sample	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
JL-D-2 *141204966-0002*	Duplicate sample	Gray/White Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	**None Detected**
JL-D-5 *141204966-0005*	Duplicate sample	White Fibrous Homogeneous		20.00% Non-fibrous (other)	**80.00% Chrysotile**
JL-D-7 *141204966-0007*	Duplicate sample	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
JL-D-9 *141204966-0009*	Duplicate sample	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Tom Hanes (5)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/15/2012 17:20:54

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CustomerPO:	447415
ProjectID:	J&L Steel Site

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Phone:	(315) 451-9560
Fax:	(315) 451-9570
Received:	10/08/12 12:48 PM
Analysis Date:	10/18/2012
Collected:	

Project: **NYSDEC / 447415 PARSONS / J & L Bldg 1 & 8**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
JL-D-3 *141204966-0003*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	99.0	None	<1%	Chrysotile	<1
JL-D-4 *141204966-0004*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
JL-D-6 *141204966-0006* Not Analyzed	Duplicate sample						
JL-D-8 *141204966-0008*	Duplicate sample	Gray /Tan Non-Fibrous Homogeneous	99.1	None	<1%	Anthophyllite	<1
JL-D-10 *141204966-0010* Not Analyzed	Duplicate sample						
JL-D-11 *141204966-0011* Not Analyzed	Duplicate sample						
JL-D-12 *141204966-0012* Not Analyzed	Duplicate sample						

Analyst(s)

Rachel Giese (3)

Rhonda McGee

Rhonda McGee, Laboratory Manager
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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/15/2012 17:20:54

BUILDING 9

Building 9 is one-story building built in 1955 as a coal thawing shed. It contains approximately 23,000 square feet and is now abandoned. The building is in fair condition. Parsons conducted a pre-demolition survey for Building 9 on September 11, 2012, by a NYSDOL-certified Asbestos Building Inspector. A portion of the building is on Benson Mines property.

The main roof consists of peaked corrugated transite panels, with a flat built-up roof on the east end. Floors are concrete with a pit through the center used when unloading coal from railroad cars parked inside the structure. Two additions at either side placed corrugated transite paneled walls (formerly exterior walls) inside the building.

Lighting was insufficient inside Building 9 during the survey and access to the pit was limited; the interiors of Boilers 12152 and 12166 were inaccessible. Additional suspect materials may be present.

Seven materials are PACM or known ACM. Twenty-one additional suspect-ACMs were identified and 49 samples were collected. Eight of these sampled materials tested positive for asbestos.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted.

ACM Survey Summary for Building 9					
Material	**Description / Location**	**Sample ID**	**Asbestos Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Roofing – corrugated panels	**Corrugated transite panels on peaked roof**	**Known ACM**	**ACM**	**Fair, non-friable**	**28,000 SF**
Roofing – built-up material	**Built-up roof material on flat roof**	**Not sampled**	**PACM**	**Fair, non-friable**	**2,000 SF**
Corrugated wall panels	**Corrugated transite panels on exterior and interior walls**	**Known ACM**	**ACM**	**Fair, non-friable**	**700 SF (ext.) 9,000 SF (int.)**
Transite ceiling panels & straps	**Smooth panels just below corrugated roof panels in N and S additions**	**Known ACM**	**ACM**	**Fair, non-friable**	**8,000 SF**
Cloth wiring	**Throughout building**	**Inaccessible, or safety concerns**	**PACM**	**Fair, friable**	**Unknown**
Pipe wrap	**Black tar-like material above Boiler #13399**	**Inaccessible**	**PACM**	**Fair, friable**	**1 SF**
Transite pieces in electrical boxes	**Throughout building**	**Known ACM**	**ACM**	**Fair, non-friable**	**20 SF**
Fitting insulation	**Gray mud-like fitting ins. in E room and near boilers 12152 & 12166**	**J9-FI-3-1**	**8.51% Chrysotile**	**Fair, friable**	**10 each**
		J9-FI-3-2			
		J9-FI-3-3			
Brake pads	**Brake pads on equipment between boilers 12152 & 12166**	**J9-BP-6-1**	**19.6% Chrysotile**	**Fair, friable**	**8 SF**
		J9-BP-6-2			

Boiler gasket	**Lower gasket on W end of boiler 12166; gray**	**J9-BGK-11-1**	**50.0% Chrysotile**	**Fair, non-friable**	**2 SF**
		J9-BGK-11-2			
Boiler gasket	**Boiler 13399 upper, gray gasket on west end**	**J9-BGK-19-1**	**80.0% Chrysotile**	**Fair, non-friable**	**2 SF**
		J9-BGK-19-2			
Boiler gasket	**Boiler 13399 lower, silver gasket on west end**	**J9-BGK-20-1**	**25.3% Chrysotile**	**Fair, non-friable**	**2 SF**
		J9-BGK-20-2			
Boiler rope	**Gray rope on boiler 13399 east door (may also be on other boilers)**	**J9-BRR-21-1**	**100% Chrysotile**	**Fair, friable**	**4 SF**
		J9-BRR-21-2			
Sections of pipe insulation	**White, chalky pre-formed pipe insulation material, in storage**	**J9-PIS-24-1**	**33.3% Amosite**	**Fair, friable**	**72 SF**
		J9-PIS-24-2			
		J9-PIS-24-3			
Sections of pipe insulation	**Black, tar-like sealant material roll, in storage**	**J9-PIS-25-1**	**17.1% Chrysotile**	**Fair, non-friable**	**50 SF**
		J9-PIS-25-2			
Boiler gasket	Red gasket on water tank	J9-TKG-1-1	None detected	NA	NA
		J9-TKG-1-2	None detected	NA	NA
Pipe insulation	Black tar-paper-like layer over pipe and breeching	J9-PI-2-1	None detected	NA	NA
		J9-PI-2-2	None detected	NA	NA
		J9-PI-2-3	None detected	NA	NA
Breeching insulation	Black coating on breeching stacks	J9-BI-8-1	None detected	NA	NA
		J9-BI-8-2	None detected	NA	NA
		J9-BI-8-3	None detected	NA	NA
Pipe insulation	Paper / tar / foil wrap over fiberglass pipe insulation throughout bldg.	J9-PI-9-1	None detected	NA	NA
		J9-PI-9-2	None detected	NA	NA
		J9-PI-9-3	None detected	NA	NA
Boiler gasket	Upper gasket on N end of boiler 12166; brown	J9-BGK-10-1	None detected	NA	NA
		J9-BGK-10-2	None detected	NA	NA
Boiler insulation	Boiler 12166 insulation under metal siding, gray, fibrous	J9-BI-12-1	None detected	NA	NA
		J9-BI-12-2	None detected	NA	NA
		J9-BI-12-3	None detected	NA	NA
Ceiling panels	3’ x 2’ gray ceiling panels	J9-CLP-13-1	None detected	NA	NA
		J9-CLP-13-2	None detected	NA	NA
Boiler insulation	Boiler 12152 insulation under metal siding, gray, fibrous	J9-BI-14-1	None detected	NA	NA
		J9-BI-14-2	None detected	NA	NA
		J9-BI-14-3	None detected	NA	NA
Boiler gasket	Boiler 12152 gasket, black, west end outer door	J9-BGK-15-1	None detected	NA	NA
		J9-BGK-15-2	None detected	NA	NA
Textured paint	White / gray textured paint on beam	J9-TXP-18-1	None detected	NA	NA
		J9-TXP-18-2	None detected	NA	NA
Boiler brick lining	Red brick-like boiler liner inside #13399	J9-BRB-22-1	None detected	NA	NA
		J9-BRB-22-2	None detected	NA	NA

		J9-BRB-22-3	None detected	NA	NA
Boiler insulation	Boiler 13399 insulation under metal siding, gray, fibrous	J9-BI-23-1	None detected	NA	NA
		J9-BI-23-2	None detected	NA	NA
		J9-BI-23-3	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 7 include the following:

- Roofing:
    - Corrugated ACM transite panels cover the peaked roof over the main area of Building 9. Most panels are in good condition, but a roof hole exists at the NW corner; quantity is approximately 24,000 SF. Also included in this quantity is a transite "molding" about 6-inches wide, which runs around the perimeter of the roofing at the top of exterior walls.
    - Built-up roofing material over metal decking covers the east end of the building. The PACM material appears in poor condition, with vegetation growing in some sections. Built-up roofing material totals approximately 2,000 SF.
- Corrugated ACM transite wall panels are present at interior and exterior areas of the building. The material covers exterior sides beneath the roof peak, above the flat roof portion and the railroad entry area. The panels are also inside, along the two side bays and the east wall on former exterior walls. An estimated quantity of transite wall panels is 9,700 SF.
- Smooth transite ceiling panels, with transite support straps, are found in the additions on the north and south sides of the building. Approximately 8,000 SF of the material is present.
- Cloth covering over electric wiring was inaccessible due to accessibility and safety issues, and is considered PACM. Extent and quantity is unknown.
- Electric panels and boxes are found throughout the structure. Many of these units contain gray transite board inside, with components attached. Each box generally has less than one SF of transite. Total estimated quantity is 20 SF.
- Above Boiler #13399 is a small section of black pipe wrap on a 1-inch (estimated) line. This material is inaccessible and totals about one SF.
- Mudded fitting insulation is ACM, present on lines at the east section of Building 9, in the east garage area at the west wall, and above the wood platform north of Boiler 12152. The pipe insulation on these lines is a black material that tested negative for asbestos. Quantity of fittings is approximately ten.
- ACM brake pads are found on a motor on a piece of equipment on a wood platform at the eastern end of the main area (north of Boiler #12152). The pads total approximately 8 SF.
- Boiler components – several ACMs were identified on the three boilers inside Building 9; additional ACMs may be also present at inaccessible areas of the boilers.
    - Boiler 12166 – The lower gray gasket found on west end is ACM. (Brown upper gasket is non-ACM, as is the fibrous boiler insulation).

- Boiler 13399 – two gaskets, the upper gray gasket and lower silver gasket at west end are ACM. The gray rope on the east door is also ACM. (The red brick lining and fibrous boiler insulation on #13399 are non-ACM).
- Boiler 12152 (No materials tested positive for asbestos).

- ACM materials stored in Building 9:
  - Unused pieces of white, chalky, pre-formed pipe insulation are stored on racks in the NE area of Building 9. There are approximately 18 sections of the material, each about 4-feet in length. Some debris from the material is also on the floor nearby.
  - Rolls of black, tar-like sealant material on metal spools is stored on racks in the NE area of the building. Approximately 25 rolls of the material are present.
  - Non-ACM: Another material is stored in the NE area of Building 9, a black tar-paper-like material similar to wrap noted on pipes and breeching in other areas of the building. This material tested negative for asbestos.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- Red gasket on water tank near garage area
- Black tar-paper-like pipe insulation, also found on breeching
- Black coating on breeching stacks
- Paper / tar / foil wrap over fiberglass pipe insulation
- Upper gasket on north end of boiler 12166; brown
- 3’ x 2’ ceiling panels in north and south side bay areas
- Gray, fibrous boiler insulation under metal sides of 3 boilers
- Black boiler gasket, west end outer door of Boiler 12152
- White / gray textured paint on beam at north wall of main area
- Red brick-like boiler liner inside #13399

Other materials noted in Building 9 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J9-TKG-1-1 *141204724-0001*	red gasket on water tank	Red Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-TKG-1-2 *141204724-0002*	red gasket on water tank	Red Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-PI-2-1 *141204724-0003*	black layer over pipe/breeching	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-PI-2-2 *141204724-0004*	black layer over pipe/breeching	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-PI-2-3 *141204724-0005*	black layer over pipe/breeching	Black Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-BP-6-1 *141204724-0009*	brake pads on equipment	Brown Non-Fibrous Homogeneous	80.3	None	**19.6% Chrysotile** **19.7% Total**
J9-BP-6-2 *141204724-0010*	brake pads on equipment				**Positive Stop (Not Analyzed)**
J9-BI-8-1 *141204724-0011*	black coating on breeching stacks	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-BI-8-2 *141204724-0012*	black coating on breeching stacks	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-BI-8-3 *141204724-0013*	black coating on breeching stacks	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

Rachel Giese (15)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 11:01:16

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J9-BGK-15-1 *141204724-0029*	boiler 12152 gasket, black, West end outer door	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-BGK-15-2 *141204724-0030*	boiler 12152 gasket, black, West end outer door	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-TXP-18-1 *141204724-0031*	white/gray textured paint on beam	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-TXP-18-2 *141204724-0032*	white/gray textured paint on beam	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J9-BGK-20-1 *141204724-0035*	boiler 13399 lower, silver gasket on West end	Gray Non-Fibrous Homogeneous	74.7	None	**25.3% Chrysotile** **25.3% Total**
J9-BGK-20-2 *141204724-0036*	boiler 13399 lower, silver gasket on West end				**Positive Stop (Not Analyzed)**
J9-PIS-25-1 *141204724-0048*	black, tar-like sealant material roll, in storage	Black Non-Fibrous Homogeneous	82.9	None	**17.1% Chrysotile** **17.1% Total**
J9-PIS-25-2 *141204724-0049*	black, tar-like sealant material roll, in storage				**Positive Stop (Not Analyzed)**

Analyst(s)

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Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J9-FI-3-1 *141204724-0006*	gray mud-like insulation on fittings	Gray Fibrous Homogeneous	60.00% Min. Wool	31.49% Non-fibrous (other)	**8.51% Chrysotile**
J9-FI-3-2 *141204724-0007*	gray mud-like insulation on fittings				**Positive Stop**
J9-FI-3-3 *141204724-0008*	gray mud-like insulation on fittings				**Positive Stop**
J9-PI-9-1 *141204724-0014*	paper/tar/foil wrap over fiberglass pipe - insulation	Various Fibrous Homogeneous	40.00% Cellulose 10.00% Glass	50.00% Non-fibrous (other)	**None Detected**
J9-PI-9-2 *141204724-0015*	paper/tar/foil wrap over fiberglass pipe - insulation	Various Fibrous Homogeneous	40.00% Cellulose 10.00% Glass	50.00% Non-fibrous (other)	**None Detected**
J9-PI-9-3 *141204724-0016*	paper/tar/foil wrap over fiberglass pipe - insulation	Various Fibrous Homogeneous	40.00% Cellulose 10.00% Glass	50.00% Non-fibrous (other)	**None Detected**
J9-BGK-10-1 *141204724-0017*	upper gasket on N end of boiler 12166, brown	Brown Fibrous Homogeneous	50.00% Cellulose	50.00% Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J9-BGK-10-2 *141204724-0018*	upper gasket on N end of boiler 12166, brown	Brown Fibrous Homogeneous	50.00% Cellulose	50.00% Non-fibrous (other)	**None Detected**
J9-BGK-11-1 *141204724-0019*	lower gasket on N end of boiler 12166, gray	Gray Fibrous Homogeneous		50.00% Non-fibrous (other)	**50.00% Chrysotile**
J9-BGK-11-2 *141204724-0020*	lower gasket on N end of boiler 12166, gray				**Positive Stop**
J9-BI-12-1 *141204724-0021*	boiler 12166 insulation, gray, fibrous	Gray Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**
J9-BI-12-2 *141204724-0022*	boiler 12166 insulation, gray, fibrous	Gray Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**
J9-BI-12-3 *141204724-0023*	boiler 12166 insulation, gray, fibrous	Gray Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**
J9-CLP-13-1 *141204724-0024*	3'x2' ceiling panels	Brown Fibrous Homogeneous	50.00% Cellulose	50.00% Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J9-CLP-13-2 *141204724-0025*	3'x2' ceiling panels	Brown Fibrous Homogeneous	50.00% Cellulose	50.00% Non-fibrous (other)	**None Detected**
J9-BI-14-1 *141204724-0026*	boiler 12152 insulation, gray, fibrous	Yellow Fibrous Homogeneous	99.00% Glass	1.00% Non-fibrous (other)	**None Detected**
J9-BI-14-2 *141204724-0027*	boiler 12152 insulation, gray, fibrous	White Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**
J9-BI-14-3 *141204724-0028*	boiler 12152 insulation, gray, fibrous	Gray Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**
J9-BGK-19-1 *141204724-0033*	boiler 13399 upper, gray gasket on West end	Gray Fibrous Homogeneous		20.00% Non-fibrous (other)	**80.00% Chrysotile**
J9-BGK-19-2 *141204724-0034*	boiler 13399 upper, gray gasket on West end				**Positive Stop**
J9-BRR-21-1 *141204724-0037*	gray rope on boiler 13399 East door	Gray Fibrous Homogeneous		0.00% Non-fibrous (other)	**100.00% Chrysotile**

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J9-BRR-21-2 *141204724-0038*	gray rope on boiler 13399 East door				**Positive Stop**
J9-BRB-22-1 *141204724-0039*	red brick-like boiler liner inside #13399	Red Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J9-BRB-22-2 *141204724-0040*	red brick-like boiler liner inside #13399	Red Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J9-BRB-22-3 *141204724-0041*	red brick-like boiler liner inside #13399	Red Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J9-BI-23-1 *141204724-0042*	boiler13399 insulation, gray, fibrous	Gray Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**
J9-BI-23-2 *141204724-0043*	boiler13399 insulation, gray, fibrous	Yellow Fibrous Homogeneous	90.00% Glass	10.00% Non-fibrous (other)	**None Detected**
J9-BI-23-3 *141204724-0044*	boiler13399 insulation, gray, fibrous	Gray Fibrous Homogeneous	80.00% Min. Wool	20.00% Non-fibrous (other)	**None Detected**

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 11:01:16

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EMSL Order:	141204724
CustomerID:	PARS53
CustomerPO:	447415
ProjectID:	J&L Steel Site

Attn: **Dan Douglass**
Parsons Engineering Science
301 Plainfield Road
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Syracuse, NY 13212

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Received:	09/25/12 2:45 PM
Analysis Date:	10/8/2012
Collected:	9/21/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J9-PIS-24-1 *141204724-0045*	white, chalky pipe insulation material, in storage	Gray Fibrous Homogeneous		66.70% Non-fibrous (other)	**33.30% Amosite**
J9-PIS-24-2 *141204724-0046*	white, chalky pipe insulation material, in storage				**Positive Stop**
J9-PIS-24-3 *141204724-0047*	white, chalky pipe insulation material, in storage				**Positive Stop**

Analyst(s)

Tom Hanes (24)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J9-TKG-1-1 *141204724-0001*	red gasket on water tank	Red Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-TKG-1-2 *141204724-0002*	red gasket on water tank	Red Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-PI-2-1 *141204724-0003*	black layer over pipe/breeching	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-PI-2-2 *141204724-0004*	black layer over pipe/breeching	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-PI-2-3 *141204724-0005*	black layer over pipe/breeching	Black Fibrous Homogeneous	99.9	None	<1% Chrysotile	<1
J9-BP-6-1 *141204724-0009* Not Analyzed	brake pads on equipment					
J9-BP-6-2 *141204724-0010* Not Analyzed	brake pads on equipment					
J9-BI-8-1 *141204724-0011*	black coating on breeching stacks	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-BI-8-2 *141204724-0012*	black coating on breeching stacks	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-BI-8-3 *141204724-0013*	black coating on breeching stacks	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

Rhonda McGee (12)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 9**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J9-BGK-15-1 *141204724-0029*	boiler 12152 gasket, black, West end outer door	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-BGK-15-2 *141204724-0030*	boiler 12152 gasket, black, West end outer door	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-TXP-18-1 *141204724-0031*	white/gray textured paint on beam	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-TXP-18-2 *141204724-0032*	white/gray textured paint on beam	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J9-BGK-20-1 *141204724-0035*	boiler 13399 lower, silver gasket on West end					
Not Analyzed						
J9-BGK-20-2 *141204724-0036*	boiler 13399 lower, silver gasket on West end					
Not Analyzed						
J9-PIS-25-1 *141204724-0048*	black, tar-like sealant material roll, in storage					
Not Analyzed						
J9-PIS-25-2 *141204724-0049*	black, tar-like sealant material roll, in storage					
Not Analyzed						

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BUILDING 10

Building 10 is one-story concrete block building used as an electrical shop built in 1946 with an addition from 1954. It contains approximately 4,364 square feet and is now abandoned and in fair condition. Parsons conducted a pre-demolition survey for the building on September 4, 2012, by a NYSDOL-certified Asbestos Building Inspector.

The building is constructed of concrete block with a peaked roof. Many windows and doors are broken or missing. There were at least three inaccessible pits noted on the floor inside the building. The two mezzanines in the building were each inaccessible due to unsafe or missing stairways.

A total of 11 suspect-ACMs were identified and sampled; three of these materials tested positive for asbestos. Two additional materials were previously determined to contain asbestos, and two materials are PACM.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted. Caulk and glazing materials known to contain over 50 ppm of PCBs are also indicated.

ACM Survey Summary for Building 10

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Roofing	**Built-up roof material on peaked decking**	**Previously sampled**	**ACM**	**Fair, Non-friable**	**5,200 SF**
Floor tile and associated mastic	**9” by 9” red tile with black mastic**	**Previously sampled**	**ACM**	**Poor Non-friable**	**660 SF**
Patch	**Cementitious patch at pipe ends, in pit**	**Inaccessible**	**PACM**	**Fair, Non-friable**	**3 SF**
Electrical panel	**Black panel in electric box near N corner**	**Inaccessible**	**PACM**	**Fair, Non-friable**	**2 SF**
Window caulk	**Gray material around most windows**	**J10-WCK-1-1**	**21.6% Chrysotile** (contains 426 ppm of PCB)	**Poor, Non-friable**	**4 SF**
		J10-WCK-1-2			
Window glazing	**Gray glazing on metal-framed windows**	**J10-WGL-2-1**	**6.4% Chrysotile**	**Poor, Non-friable**	**8 SF**
		J10-WGL-2-2			
Fitting insulation	**Hard mud-like material (on fiberglass lines), in back (west) area**	**J10-FI-6-1**	**4.8% Chrysotile**	**Poor, Friable**	**5 ea.**
		J10-FI-6-2			
		J10-FI-6-3			
Debris	Debris on floor along north wall	J10-DEB-3-1	None detected	NA	NA
		J10-DEB-3-2	None detected	NA	NA
Pipe insulation	Paper with tar-like layer, over fiberglass	J10-PI-4-1	None detected	NA	NA
		J10-PI-4-2	None detected	NA	NA
		J10-PI-4-3	None detected	NA	NA

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Pipe insulation	Fiberglass, under paper layer	J10-PI-5-1	None detected	NA	NA
		J10-PI-5-2	None detected	NA	NA
		J10-PI-5-3	None detected	NA	NA
Cove molding and associated mastic	Black 4" molding along floor, with black mastic (m)	J10-CM-7-1	None detected	NA	NA
		J10-CM-7-1(m)	None detected	NA	NA
		J10-CM-7-2	None detected	NA	NA
		J10-CM-7-2(m)	None detected	NA	NA
		J10-CM-7-3	None detected	NA	NA
		J10-CM-7-3(m)	None detected	NA	NA
Window glazing	Gray window glazing on wood frame	J10-WGL-10-1	None detected	NA	NA
		J10-WGL-10-2	<1% Chrysotile	NA	NA
Ceiling / roof decking	Concrete-like panels, about 1' x 3' (east half)	J10-CLD-11-1	None detected	NA	NA
		J10-CLD-11-2	None detected	NA	NA
Ceiling / roof decking	Concrete-like panels, 1' width (west half)	J10-CLD-12-1	None detected	NA	NA
		J10-CLD-12-2	None detected	NA	NA

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 10 include the following:

- Built-up roofing covering the peaked roof over the entire building totals about 4,400 SF.
- 9-inch by 9-inch red floor tile and associated mastic previously tested positive for asbestos; quantity is approximately 660 SF in two offices at the SE end of the building.
- Patch material found on pipe ends in a pit near the inside corner was inaccessible and considered PACM. The cementitious material totals approximately 3 SF.
- Hard, black panels inside electric panels / boxes are PACM and total about 2 SF. The material is found near the N corner of the building.
- Gray caulk between the window frames and walls tested positive for asbestos. The material has weathered away and only remnants remain; about 4 SF is present. Additionally, this material was analyzed for PCB content and determined to contain 426 ppm of PCBs (see Section 3.2.3).
- Window glazing on metal-framed windows contains asbestos, with only remnants remaining. Approximately 8 SF is present. Glazing on wood-framed glass was found to contain a trace of asbestos, and is considered non-ACM.
- Mudded insulation on fittings is ACM, located on pipes with non-ACM fiberglass insulation. Five ACM fittings are present on lines found in the back area of the building.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- Two types of pipe insulation are present; a tar layer, with paper and foil covering and fiberglass insulation were found to be non-ACM.

- Black cove molding and associated mastic located in office areas tested negative for asbestos.
- Debris covers an area at the west half of Building 10, which appears to originate from the ceiling panels. The debris (and the ceiling panels) are non-ACM.
- Window glazing on wood-framed glass contains a trace of asbestos, and is considered non-ACM. (Glazing on metal-framed windows contains asbestos).
- Concrete-like panels form the roof deck. There are two sizes of panels and both are non-ACM.

Other materials noted in Building 10 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 10**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J10-WCK-1-1 *141204723-0001*	gray window caulk	Gray Non-Fibrous Homogeneous	78.4	None	**21.6% Chrysotile** **21.6% Total**
J10-WCK-1-2 *141204723-0002*	gray window caulk				**Positive Stop (Not Analyzed)**
J10-WGL-2-1 *141204723-0003*	gray window glazing	Gray Non-Fibrous Homogeneous	93.6	None	**6.4% Chrysotile** **6.4% Total**
J10-WGL-2-2 *141204723-0004*	gray window glazing				**Positive Stop (Not Analyzed)**
J10-PI-4-1 *141204723-0007*	pipe insulation, tar-like material	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-PI-4-2 *141204723-0008*	pipe insulation, tar-like material	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-PI-4-3 *141204723-0009*	pipe insulation, tar-like material	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-FI-6-1 *141204723-0013*	fitting insulation, hard, mud-like	Black Non-Fibrous Homogeneous	95.2	None	**4.8% Chrysotile** **4.8% Total**
J10-FI-6-2 *141204723-0014*	fitting insulation, hard, mud-like				**Positive Stop (Not Analyzed)**

Analyst(s)

Rachel Giese (11)
Taron Williams (1)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

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Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J10-FI-6-3 *141204723-0015*	fitting insulation, hard, mud-like				**Positive Stop (Not Analyzed)**
J10-CM-7-1 *141204723-0016*	black cove molding	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-CM-7-1 *141204723-0017*	black mastic from black cove molding	Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-CM-7-2 *141204723-0018*	black cove molding	Black Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-CM-7-2 *141204723-0019*	black mastic from black cove molding	Tan Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-WGL-10-1 *141204723-0020*	gray window glazing on wood frame	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J10-WGL-10-2 *141204723-0021*	gray window glazing on wood frame	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**

Analyst(s)

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Taron Williams (1)

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Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J10-PI-5-1 *141204723-0010*	pipe insulation, brown, fribrous	Yellow Fibrous Homogeneous	99.00% Glass	1.00% Non-fibrous (other)	**None Detected**
J10-PI-5-2 *141204723-0011*	pipe insulation, brown, fribrous	Yellow Fibrous Homogeneous	99.00% Glass	1.00% Non-fibrous (other)	**None Detected**
J10-PI-5-3 *141204723-0012*	pipe insulation, brown, fribrous	Yellow Fibrous Homogeneous	99.00% Glass	1.00% Non-fibrous (other)	**None Detected**
J10-CLD-11-1 *141204723-0022*	cementitious ceiling panels 1' x 3', East side	Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J10-CLD-11-2 *141204723-0023*	cementitious ceiling panels 1' x 3', East side	Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J10-CLD-12-1 *141204723-0024*	cementitious ceiling panels 1' wide, West side	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J10-CLD-12-2 *141204723-0025*	cementitious ceiling panels 1' wide, West side	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Tom Hanes (7)

Rhonda McGee, Laboratory Manager
or other approved signatory

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J10-WCK-1-1 *141204723-0001*	gray window caulk					
Not Analyzed						
J10-WCK-1-2 *141204723-0002*	gray window caulk					
Not Analyzed						
J10-WGL-2-1 *141204723-0003*	gray window glazing					
Not Analyzed						
J10-WGL-2-2 *141204723-0004*	gray window glazing					
Not Analyzed						
J10-DEB-3-1 *141204723-0005*	debris on floor	Brown Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J10-DEB-3-2 *141204723-0006*	debris on floor	Brown Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J10-PI-4-1 *141204723-0007*	pipe insulation, tar-like material	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-PI-4-2 *141204723-0008*	pipe insulation, tar-like material	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-PI-4-3 *141204723-0009*	pipe insulation, tar-like material	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 10**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J10-FI-6-1 *141204723-0013*	fitting insulation, hard, mud-like					
Not Analyzed						
J10-FI-6-2 *141204723-0014*	fitting insulation, hard, mud-like					
Not Analyzed						
J10-FI-6-3 *141204723-0015*	fitting insulation, hard, mud-like					
Not Analyzed						
J10-CM-7-1 *141204723-0016*	black cove molding	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-CM-7-1 *141204723-0017*	black mastic from black cove molding	Tan Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-CM-7-2 *141204723-0018*	black cove molding	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-CM-7-2 *141204723-0019*	black mastic from black cove molding	Tan Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-WGL-10-1 *141204723-0020*	gray window glazing on wood frame	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
J10-WGL-10-2 *141204723-0021*	gray window glazing on wood frame	Gray Non-Fibrous Homogeneous	99.4	None	<1% Chrysotile	<1

Analyst(s)

Rhonda McGee (11)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/05/2012 10:31:52

BUILDING 18

Building 18 is one-story masonry building built in 1949 as a pump house. It contains approximately 1,200 square feet and is now abandoned and in fair condition. Parsons conducted a pre-demolition survey for the building on September 6, 2012, by a NYSDOL-certified Asbestos Building Inspector.

Most windows and doors are broken or missing; debris covers much of interior surfaces. The lower level was inaccessible due to safety concerns.

One suspect-ACM was identified, sampled and determined to contain asbestos. Three additional materials were previously determined to contain asbestos, and two materials are PACM.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted.

ACM Survey Summary for Building 18

Material	Description / Location	Sample ID	Asbestos Content	For ACM only:	
				Condition, Friability	Approx. Quantity
Roofing	Built-up roof	Previously sampled	ACM	Fair, Non-friable	1,200 SF
Transite roof decking	Corrugated 6'-wide panels at roof overhang	Previously sampled	ACM	Fair, Non-friable	160 SF
Galbestos panels	On round, roof mounted equipment	Inaccessible	PACM	Fair, Non-friable	24 SF
Transite wall panels	Lower level, along NW wall	Previously sampled	ACM	Fair, Non-friable	65 SF
Window glazing	Elevated windows on NW wall	Inaccessible	PACM	Poor, Non-friable	12 SF
Debris	On surfaces throughout building	J18-DEB-1-1	4.3% Chrysotile	Poor, Friable	1,200 SF
		J18-DEB-1-2			
		J18-DEB-1-3			

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 10 include the following:

- Built-up roofing covering the roof over the entire building and totals about 1,200 SF.
- ACM corrugated transite roof decking is present on an overhang at the N end of the building, totaling 160 SF.
- Material that appears to be Galbestos (a black / gray coating over sheet metal) was noted around the lower section of a round, roof-mounted piece of equipment near the N end of the roof. The unit was inaccessible; the PACM material covers approximately 24 SF.
- Smooth transite wall panels are present near the west corner at the interior lower level and totals about 65 SF.
- Window glazing on metal-framed windows is found on elevated windows, above the lower level near the west corner. The material is inaccessible and considered PACM. Approximately 12 SF is present at this location, and similar material may be present in other inaccessible areas of the building.

- Debris is present on most interior surfaces of Building 18. This material tested positive for asbestos, and covers approximately 1,200 SF.

Non-Asbestos-Containing Materials

Materials noted in Building 18 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Collected:	9/18/2012

Project: **NYSDEC/447415 PARSONS / J & L Bldg 18, 32**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J32-WCK-2-1 *141204721-0006*	window caulk, dark gray, metal frames	Gray Non-Fibrous Homogeneous	96.6	None	**3.4% Chrysotile** **3.4% Total**
J32-WCK-2-2 *141204721-0007*	window caulk, dark gray, metal frames				**Positive Stop (Not Analyzed)**
J32-WGL-3-1 *141204721-0008*	window glazing, lt gray, metal frames	Gray Non-Fibrous Homogeneous	100	None	**Inconclusive: No Asbestos Detected**
J32-WGL-3-2 *141204721-0009*	window glazing, lt gray, metal frames	Gray Non-Fibrous Homogeneous	98.6	None	**1.4% Chrysotile** **1.4% Total**

Analyst(s)

Tom Hanes (3)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 06:29:27

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Received:	09/25/12 2:45 PM
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Project: **NYSDEC/447415 PARSONS / J & L Bldg 18, 32**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J18-DEB-1-1 *141204721-0001*	debris on floor	Gray Fibrous Heterogeneous	95.7	None	4.3% Chrysotile	4.3
J18-DEB-1-2 *141204721-0002*	debris on floor					
Positive Stop (Not Analyzed)						
J18-DEB-1-3 *141204721-0003*	debris on floor					
Positive Stop (Not Analyzed)						
J32-DEB-1-1 *141204721-0004*	debris on floor	Gray Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J32-DEB-1-2 *141204721-0005*	debris on floor	Gray Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
J32-WCK-2-1 *141204721-0006*	window caulk, dark gray, metal frames					
Not Analyzed						
J32-WCK-2-2 *141204721-0007*	window caulk, dark gray, metal frames					
Not Analyzed						
J32-WGL-3-1 *141204721-0008*	window glazing, lt gray, metal frames					
Not Analyzed						
J32-WGL-3-2 *141204721-0009*	window glazing, lt gray, metal frames					
Not Analyzed						

Analyst(s)

Rachel Giese (3)

Rhonda McGee

Rhonda McGee, Laboratory Manager
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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 10/03/2012 06:29:27

BUILDING 20

Building 20 is one-story masonry building built in 1946 as the switchgear house and contains approximately 3,465 SF. Parsons conducted a pre-demolition survey for the building on September 5, 2012, by a NYSDOL-certified Asbestos Building Inspector.

Most windows and doors in the structure are broken or missing.

A total of nine materials are considered ACM or PACM in Building 20. One sampled material tested negative for asbestos.

The following table summarizes the results of the asbestos building materials survey and lists the material, the sample identification number, a description, location and asbestos content of the material. For asbestos-containing materials the quantity, friability and condition are also noted. Three caulk and glazing materials known to contain PCBs are also indicated.

ACM Survey Summary for Building 20					
Material	**Description / Location**	**Sample ID**	**Asbestos / PCB Content**	For ACM only:	
				Condition, Friability	**Approx. Quantity**
Roofing	**Built-up material on flat roof**	**Previously sampled**	**ACM**	**Poor Non-friable**	**3,500 SF**
Transite	**Gray flat material inside boxes / panels**	**Known ACM**	**ACM**	**Fair, Non-friable**	**10 SF**
Transite debris	**Broken pieces of transite on floor**	**Known ACM**	**ACM**	**Fair, Non-friable**	**100 SF**
Wire covering	**Light gray cloth wrap over small diameter wires**	**J20-EW-1-1**	**40.0% Chrysotile**	**Fair, Friable**	**440 LF**
		J20-EW-1-2			
Window caulk	**Gray caulking between window frames and wall**	**J20-WCK-4-1**	**4.1% Chrysotile** (contains 86 ppm of PCB)	**Poor, Non-friable**	**7 SF**
		J20-WCK-4-2			
Door caulk	**Gray caulk between door frames and wall**	**J20-DCK-6-1**	**4.5% Chrysotile** (contains 66 ppm of PCB)	**Poor, Non-friable**	**5 SF**
		J20-DCK-6-2			
Wall seam caulk	**Black felt / caulk material in vertical exterior wall seams**	**J20-WLS-7-1**	**1.1% Chrysotile** (contains 1,558 ppm of PCB)	**Poor, Non-friable**	**6 SF**
		J20-WLS-7-2			
White paper lining on tin sheet	**Overhead, near SW wall**	**J20-PL-11-1**	**100% Chrysotile**	**Fair, friable**	**3 SF**
		J20-PL-11-2			
Dark gray electric panels	Several vertical panels in N section of building	J20-EP-2-1	None detected	NA	NA
		J20-EP-2-2	None detected	NA	NA
Wire covering	Brown / gray braided cloth wire wrap	J20-EW-3-1	None detected	NA	NA
		J20-EW-3-2	None detected	NA	

NA – not applicable

Materials Containing Asbestos

Materials determined or presumed to contain asbestos in Building 2 include the following:

- Built-up roofing material on the flat roof previously tested positive for asbestos and is in poor condition. Quantity of the built-up roofing is 3,500 SF. Debris of roofing is also found around exterior of the building.

- Transite and transite debris: Gray transite boards are present in many electric panels / boxes in Building 20, mounted on walls or in floor-mounted stands. Approximately 10 SF are present inside several electric panels. Broken pieces of this material are also present on areas of the floor. Debris totals about 100 SF.
- Light gray cloth wrap is present on small, thin wiring on equipment in the building. Approximately 440 LF.
- Gray caulk between the exterior block walls and window frames tested positive for asbestos. In several locations, only remnants of the caulk remain. Estimated quantity of the caulk is 2 SF. Additionally, this material was analyzed for PCB content and determined to contain 86 ppm of PCBs (see Section 3.2.3).
- At door frames, remnants of gray caulk are present between the door frames and wall. About 3 SF of the material was identified. Additionally, this material was analyzed for PCB content and determined to contain 66 ppm of PCBs (see Section 3.2.3).
- At vertical seams on the east and west exterior sides of the building, a black felt / caulk material was found to contain asbestos. Quantity totals approximately 6 SF. Additionally, this material was analyzed for PCB content and determined to contain 1,558 ppm of PCBs (see Section 3.2.3).
- White paper covers a tin sheet, located overhead above electrical equipment near the southwest wall. Quantity is about 3 SF.

Non-Asbestos-Containing Materials

Suspect materials that were sampled and determined by laboratory analyses to be non-ACM include the following:

- Brown / gray cloth wire covering was determined to be non-ACM.
- Dark gray / ebonite boards are found on many electric panels in the north room of Building 20.

Other materials noted in Building 2 that are considered non-suspect and were not sampled include:

- fiberglass materials
- rubber and foam insulating materials
- wood, glass, metal and plastic materials
- concrete

Laboratory Reports

Laboratory reports of the asbestos analyses are attached.

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 20**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
J20-WCK-4-1 *141204725-0005*	gray window caulk	Gray Non-Fibrous Homogeneous	95.9	None	**4.1% Chrysotile** **4.1% Total**
J20-WCK-4-2 *141204725-0006*	gray window caulk				**Positive Stop (Not Analyzed)**
J20-DCK-6-1 *141204725-0007*	dark gray door caulk	Gray /Black /Green Non-Fibrous Homogeneous	95.5	None	**4.5% Chrysotile** **4.5% Total**
J20-DCK-6-2 *141204725-0008*	dark gray door caulk				**Positive Stop (Not Analyzed)**
J20-WLS-7-1 *141204725-0009*	wall seam material, black	Gray /Black Non-Fibrous Homogeneous	98.9	None	**1.1% Chrysotile** **1.1% Total**
J20-WLS-7-2 *141204725-0010*	wall seam material, black				**Positive Stop (Not Analyzed)**

Analyst(s)

Taron Williams (3)

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Rhonda McGee, Laboratory Manager
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*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method imitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 20**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J20-EW-1-1 *141204725-0001*	gray wire covering	Gray Fibrous Homogeneous	50.00% Cellulose	10.00% Non-fibrous (other)	**40.00% Chrysotile**
J20-EW-1-2 *141204725-0002*	gray wire covering				**Positive Stop**
J20-EW-3-1 *141204725-0003*	brown braided wire covering	Brown Fibrous Homogeneous	70.00% Cellulose	30.00% Non-fibrous (other)	**None Detected**
J20-EW-3-2 *141204725-0004*	brown braided wire covering	Brown Fibrous Homogeneous	80.00% Cellulose	20.00% Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **NYSDEC/447415 PARSONS / J & L Bldg 20**

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
J20-WCK-4-1 *141204725-0005*	gray window caulk					
Not Analyzed						
J20-WCK-4-2 *141204725-0006*	gray window caulk					
Not Analyzed						
J20-DCK-6-1 *141204725-0007*	dark gray door caulk					
Not Analyzed						
J20-DCK-6-2 *141204725-0008*	dark gray door caulk					
Not Analyzed						
J20-WLS-7-1 *141204725-0009*	wall seam material, black					
Not Analyzed						
J20-WLS-7-2 *141204725-0010*	wall seam material, black					
Not Analyzed						

Analyst(s)

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Project: **NYSDEC / 447415**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
J20-EP-2-1 *141205915-0001*	electric panel	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**
J20-EP-2-2 *141205915-0002*	electric panel	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Taron Williams (2)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 12/13/2012 11:42:03

APPENDIX D

PRODUCT RECOVERY SYSTEM CHARACTERIZATION

PRODUCT RECOVERY SYSTEM CHARACTERIZATION AT THE FORMER J&L STEEL MINE CLIFTON, NEW YORK

Prepared for:

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation

Albany NY

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
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AUGUST 2016

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SECTION 1

INTRODUCTION

The former Jones and Laughlin iron ore processing facility (J&L Steel) is a 38-acre parcel located at the intersection of State Route 3 and County Road 60 in the Town of Clifton, St. Lawrence County, New York. The site includes several large abandoned buildings in various conditions, as well as numerous piles of mining and demolition debris. The buildings are surrounded by parking lots, access roads, and unused rail spurs. The remainder of the site is partially wooded with the Little River flowing from east to west through the site. A 2.5-mile long abandoned and flooded strip mine borders the northern portion of the site. The New York State Department of Environmental Conservation (NYSDEC) site number is 645029.

The site was previously utilized as a mining and ore processing facility. On-site fuel oil storage capacity was approximately 114,000 gallons and consisted of six above ground tanks (three 8,000 and three 30,000 gallon tanks) located northwest of the Sinter Plant, Building 22 (Atlantic Testing Laboratories, 1989). The fuel oil stored in these tanks was pumped throughout the site through underground lines. Consumption was reportedly 2¼ million gallons per year or roughly 7,000 gallons per working day over many years. An estimated 350,000 gallons of free product is present (NYSDEC memo, 2008).

A Preliminary Subsurface Investigation (Atlantic Testing Laboratories, 1989) identified free product to be present in the subsurface, primarily in the area of the former above ground fuel storage facility and Sinter plant. Between 1990 and 1999, several phases of product recovery were implemented to capture free product.

In 2008, the product recovery system was shut down. The reason for shutting it down is as follows. A 60 percent cut that year in spill fund reauthorization prompted a re-evaluation of all extant projects. At the time, the HDPE barrier was effectively preventing the plume from entering the Little River, so there were no known receptors at the time.

The product recovery system rate had been operating for a number of years, but the product recovery rate had diminished to a level where only very small amounts of NAPL, in relation to the overall plume size, were being collected. Due to already limited funds and some confidence that the barrier would keep visible product from migrating to the river, active product recovery ceased. Instead, the site was monitored periodically to look for product seeps to the river.

1.1 OBJECTIVES

The purpose of this report is to summarize an assessment, which was done at the request of the NYSDEC, of the existing free-product recovery, air stripping and soil vapor extraction (SVE) systems at the J&L/Benson Mine sites located in the Town of Clifton, New York, and to make recommendations for modifications / upgrades to the existing systems to optimize performance. The assessment was conducted during the fall of 2012 by Parsons under contract with NYSDEC, pursuant to the *Site Characterization For The Former J&L Steel Site* Work Plan (Parsons, 2012).

For the purpose of this assessment, the area which was historically impacted by fuel oil spills has been identified as the Petroleum Spill Area (Figure 3).

SECTION 2

EXISTING CONDITIONS

2.1 PRODUCT THICKNESS EVALUATION

A petroleum product thickness survey was completed on August 29, 2012, on the 48 existing monitoring wells at the J&L Site. A Solinst Model 122 interface probe was used to measure the distance to product, the distance to water, and the total depth of each well. This investigation found the presence of 1.6 feet to 3.1 feet of free product in monitoring wells MW-3, MW-5, MW-15, MW-17, and MW-29. Additionally, less than 1.0 foot of product was found in wells MW-2A, MW-14, and MW-23. A comparison of these product thicknesses with historical measurements (Table 1) indicates that petroleum product at these locations has consistently been noted and that the product thickness has fluctuated at the monitoring wells over time (Figure 1). A map showing product thickness is presented in Figure 2.

2.2 EXISTING SYSTEM BACKGROUND AND EVALUATION

It is Parsons' understanding that the primary focus of remediation located within the Petroleum Spill Area of the site was free-product recovery, however there are a number of different types of "stand alone" remediation systems present at the site and in the Petroleum Spill Area, including:

- Free product recovery (FPR)
- Subsurface barrier wall for containment of free product
- Air stripping for groundwater treatment
- Soil Vapor Extraction (SVE) for treatment of unsaturated (vadose) zone soils

Based upon field observations made by Parsons in October 2012, the systems listed above are not operational at this time.

A brief discussion of the remedial technologies, an inventory of the respective system components on site, and an operational assessment are provided below.

2.2.1 Free Product Recovery System

Based on information presented in the Draft Site Investigation Report – March 2009 prepared by CDM, several phases of free product recovery were implemented at the site.

- October 1990 - Two 2-inch total fluids ejector pumps were installed in MW-2A and MW-12A by Fenley & Nicol Co, Inc.
- May 1991 - System upgrades were made, including the following:



Photo 1 - Free Product Recovery System Enclosure

  - Installation of two additional ejector pumps that were rotated amongst various wells, to address product moving past the system installed in 1990 towards the Little River. Installed by Fenley & Nicol Co, Inc.
  - Installation of one 8-inch diameter recovery well near MW-14 with a Grundfos submersible pump to depress the water table and aid in product recovery.

- 1997 – 1999 – Installation of three free product interceptor trenches and recovery manholes (see Figure 3) to replace the original ejector pump system. Product was pumped from recovery manholes to an oil-water separator.

The above-referenced CDM report indicated that two of the three interceptor trenches were in operation in 2009, however, the system was not operational during Parsons' site visit in October 2012. Based upon field observations made by Parsons during October 2012, the system is configured as follows:

- Recovery Manholes (REC MH's) – Two locations are set up for product recovery, REC MH 1 and REC MH 5 (Figure 3). Each location is configured as follows:
  - The recovery systems are fully enclosed inside 40' x 8' intermodal shipping containers. The containers have been modified so that the recovery manholes extend through the floor. The manholes are equipped with a product recovery pump that discharges through a ¾-inch diameter line to a 4,000-gallon storage tank located inside each container. A 1¼-inch discharge line, which appears to have been used for groundwater depression is also present, but it is unclear where these lines discharge. Each location is equipped with a residential style fuel oil fired furnace. The system located at REC MH 1 shows evidence of a fire inside the enclosure.
- Remediation Building A (Figure 3) – A 50' x 35' building identified as 'Remediation Building" on existing site plans is located central to the remediation systems. The building houses three above-ground storage tanks that appear to have functioned as holding tanks for product collected by the free product recovery system. The tanks are estimated to have 20,000 gallon, 5,000 gallon, and 275 gallon capacity, respectively. In addition to the storage tanks, the building houses two generators (a trailer mounted Dayton unit and a skid-mounted six-cylinder diesel unit) and a significant amount of miscellaneous debris.

Electrical service to the free product recovery system has been disconnected. In its existing condition, the free product recovery system components would require significant repair and/or upgrades to return the system to operational status.

2.2.2 Barrier Wall



Photo 2 - HDPE Barrier Wall

A vertical, 15-foot deep, 1,500 foot long barrier wall made of 40-millimeter high-density polyethylene (HDPE), (Photo 2) was installed in 1993 by to prevent the flow of fuel oil directly to the Little River. The wall is located down-gradient of the free product plume parallel to the bank of the Little River (Figure 3). The wall was installed using a technology similar to one pass trenching where the polyethylene was installed by unrolling the sheeting into the trench as it was excavated. This type of barrier wall is sometimes referred to as a "hanging barrier wall" because it serves to contain LNAPL (like fuel oil) while allowing groundwater to flow beneath the wall. In addition to the wall, a soil berm was constructed along the eastern end of the barrier wall to prevent the discharge of fuel oil/contaminated groundwater to the Little River during periods of high groundwater and high surface water runoff.

At this time, additional data would be necessary to assess whether the wall continues to be a functional containment system.

2.2.3 Air Stripping

There are two air strippers located on the J&L steel site. Air stripping is a full-scale technology in which volatile organic compounds (VOCs) are partitioned from water by greatly increasing the surface area of contaminated water exposed to air. Air stripping involves the mass transfer of volatile contaminants from water to air. Types of aeration methods include packed towers, diffused aeration, tray aeration, and spray aeration. Two types of air strippers are present at the J&L site:



Photo 3 - Outfall to Little River

- A Shallow Tray air stripper is located in Remediation Building B (Figure 3) along the access road. The unit located at the site is a North East Environmental Products, Inc. Shallow Tray® Model 41231 low-profile air stripper. The unit's design water treatment capacity is 8 to 550 gallons per minute. The unit is currently non-operational. Based upon information presented in the Project Update Report & Recommendations for the J&L Steel Site prepared by TerraTech Incorporated dated September 8, 1994, it is understood that the air stripper was used to treat water generated from a groundwater depression system operated in conjunction with the vertical barrier wall and free-product recovery system for the site. The depression system

consisted of four submersible pumps located in 4-inch diameter monitoring wells MW 4A, MW 25, MW 26 and MW 27. Water pumped from the respective wells was discharged to a holding tank located adjacent to the Remediation Building and then pumped directly to the air stripper. Once treated, water was discharged directly to the Little River via a 4-inch schedule 40 PVC pipeline (Photo 3).

Based on the visual inspection conducted by Parsons, the air stripper appears to be in functional mechanical condition. However, electrical service to the air stripper has been disconnected and the system control panel has been damaged and will require significant repair. If the system were to be considered for reuse onsite, or redeployment to another location, the electrical controls system and blower would require testing to ensure functionality.

- A packed tower air stripper is located adjacent to Remediation Building C (Figure 3). The air stripper has been removed from its base and is lying horizontally on the ground by Building C. The fiberglass structure of the unit is damaged and it is currently unserviceable (Photo 4). Based on the location and condition of the unit, it is unclear if it was used at this facility, and if so, what capacity it was used in.



Photo 4 - Packed Tower Air

2.2.4 Soil Vapor Extraction

An SVE system is located onsite in Remediation Building C. Soil Vapor Extraction (SVE) is an in situ vadose zone soil remediation technology in which a vacuum is applied to the soil to induce the controlled flow of air and remove volatile and some semi-volatile contaminants from the soil. The SVE system (Photo 5) includes the following:

- Four 10-hp skid-mounted explosion proof regenerative blower units
- Condensate "knock-out" tanks for removal of water vapor from the extracted air stream
- Electrical control panel
- Process piping

There is insufficient historical information available to ascertain when the SVE system was installed or details related to its operation. However, based on equipment and piping present within the SVE building, it is evident that the system was used to extract vapor from seven extraction points on the site.

Based on the visual inspection conducted by Parsons in



Photo 5 - SVE Blower Units

October 2012, the SVE system components appear to be in functional mechanical condition. However, electrical service to the system has been disconnected and the system control panel has been damaged and will require significant repair. If the system were to be considered for reuse onsite, or redeployment to another location, the electrical controls system and blower units would require testing to ensure functionality.

SECTION 3

RECOMMENDATIONS AND PATH FORWARD

Parsons is recommending that a phased approach be taken to optimize free-product recovery and overall remediation of the Petroleum Spill Area at the J&L site. This recommendation is based on the following:

- The identification in 2012 of free product at the J&L Site at thicknesses of 3.07 feet at one monitoring well
- Parsons' assessment that the existing product recovery system is not functional in its current state.

Parsons believes that implementing a strategy initially targeting petroleum product removal followed by utilization of an in-situ treatment process will result in a cost-effective remedial approach to addressing hydrocarbon contamination in the Petroleum Spill Area. Both near term and long term actions are recommended to optimize free-product recovery/remediation of the Petroleum Spill Area.

3.1 PHASE I – NEAR TERM PRODUCT RECOVERY

3.1.1 Bail Down Testing

Parsons proposes to perform a free-product bail down test in MW-5, MW-15, and MW-29 to assess product recovery rates within these monitoring wells following bail down testing and, on that basis, to determine the anticipated initial product recovery rates within these wells. The free product bail down test would be completed utilizing the following procedure:

a. Conduct a baseline free product thickness survey of all monitoring wells located within and collection points within the Petroleum Spill Area (approximately 30 locations) utilizing an interface probe prior to the start of the bail down test;

b. Removal of free product from the designated monitoring wells to a thickness of one inch or less of measureable free product utilizing a vacuum truck. The removal will be completed over the course of one 8-hour day;

c. Immediately upon completion of free-product removal, conduct a free product thickness survey of monitoring wells and collection points within the Petroleum Spill Area;

d. Collect free product thickness readings from the three monitoring wells utilized for the bail-down test during normal working hours (until 6 pm) during the 24-hour period immediately following product removal. Readings would be taken at 10-minute intervals at first, then less frequently (to once an hour), depending on the recharge rate. If free product levels have not recovered to baseline conditions within 24-hours, free product thickness readings would be continued from the designated wells at 4-hour intervals between 8 am and 6 pm for a period of two days. If free product levels have not returned

to baseline conditions following this 72-hour period, monitoring intervals will be reduced to once per week until site has returned to static baseline conditions.

3.1.2 Order-of-Magnitude Estimate

Parsons will develop an order-of-magnitude estimate of the volume of recoverable free-product and estimated time required for recovery based on the amount of free-product present in monitoring wells in the Petroleum Spill Area. It should be noted that the accuracy of this type of estimate is limited due to fluctuations in the groundwater table and unknown subsurface conditions (i.e., fractured bedrock).

3.2 PHASE II – DESIGN AND CONSTRUCTION

A free-product recovery system will be designed as appropriate based on site conditions and results from the bail down testing. The design will evaluate the most cost-effective approach to product recovery at this site including the evaluation of long-term OM&M requirements to ensure the selected approach effectively controls the labor required for operation of the system. The design will consider, at a minimum, utilizing active or passive down-hole skimmer technology, periodic removals via vacuum truck, and in situ soil treatment (if additional product removal is deemed ineffective) to replace the existing product recovery equipment. The design will utilize, where possible, existing monitoring / recovery wells, and include:

- Completing an assessment of existing electrical service to the site and identify repairs and/or upgrades that may be needed to operate a free-product recovery system. Parsons will evaluate the feasibility of operating a free-product recovery system utilizing sustainable solar power and complete a cost comparison for the use of solar power vs. reinstating electrical service to the site; and
- Completing an assessment of existing site remediation buildings and equipment (tanks, pumps, etc.) to determine if there is the potential to re-purpose them for use with the new system.

3.3 PHASE III – LONG TERM

An evaluation of the free-product recovery system performance will be made over time to ensure optimal recovery and to identify when the system has reached the point of asymptotic decline, at which point operation of the free product recovery system should be terminated.

Upon completion of free product recovery, Parsons will evaluate the need for a second technology to target impacted vadose zone soils, such as bioventing, or soil vapor extraction.

3.4 ADDITIONAL RECOMMENDATIONS

The existing product recovery enclosures may pose a health and safety risk for someone accessing the site. Several of the enclosures contain a potentially hazardous environment inside. To mitigate this risk, it is recommended that the enclosures be adequately secured (installing locks or fencing, for example) or that they be removed from the site. After some investigation, it has been determined that there is limited scrap value for unusable equipment.

3.5 COSTS AND ASSUMPTIONS

The following is estimated for completion of the initial bail down testing (Phase I) only. Assumptions:

- Two Parsons persons will be on site implementing the buddy system
- Field effort will be conducted using Level D personal protection
- Work days will be 10-hour days, Monday through Friday

3.5.1 Costs

Parsons has estimated the cost for this work to be approximately $15,000.

TABLE 1. Petroleum Products Surveys

Jones & Laughlin Mine, Clifton NY (Measurements in feet)

Well ID \ Date	1990	1995	1999	2005			2008		2012
	25-Sep	22-Sep	7-Sep	5-Apr	2-May	1-Jun	13-Oct	17-Nov	29-Aug
MW15	0.00	0.00	0.00	0.00	0.00	0.00	1.55	7.50	3.07
MW29	----	----	----	6.63	5.06	3.08	4.38	5.71	2.75
MW5	1.00	0.04	0.51	1.08	1.13	1.11	1.36	----	2.35
MW3	0.13	0.00	1.88	3.10	3.33	3.39	0.84	----	1.90
MW17	3.25	2.10	2.00	0.00	0.12	0.57	0.33	0.00	1.60
MW14	4.00	2.60	1.57	0.78	0.89	0.94	0.43	0.00	0.35
MW2A	3.75	----	0.00	0.13	0.09	0.12	0.12	----	0.30
MWS2-MH	----	----	----	0.09	0.08	0.01	0.00	----	0.06
MWS3-MH	----	----	----	0.05	0.05	0.04	0.00	----	0.05
MW23	2.65	1.00	1.51	0.00	0.00	0.45	0.00	0.00	0.03
MWS6-MH	----	----	----	0.56	0.46	0.24	0.00	----	0.01
MW9	0.00	0.00	0.36	0.16	0.16	0.18	0.00	----	0.00
MW12A	9.15	----	----	0.83	0.06	0.12	0.00	0.00	0.00
MW37	----	----	----	0.11	0.87	0.32	0.00	0.00	0.00
MW16	2.70	1.80	1.15	0.00	0.00	0.00	0.00	0.00	0.00
MW22	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MW7	0.17	0.00	0.00	0.00	0.00	0.00	0.00	----	0.00
MW11	0.17	0.00	0.00	0.00	0.00	0.00	0.00	----	0.00
MW13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	----	0.00
MW18	1.98	0.00	0.00	0.00	0.00	0.00	0.00	----	0.00
MW20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	----	0.00
MW21	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

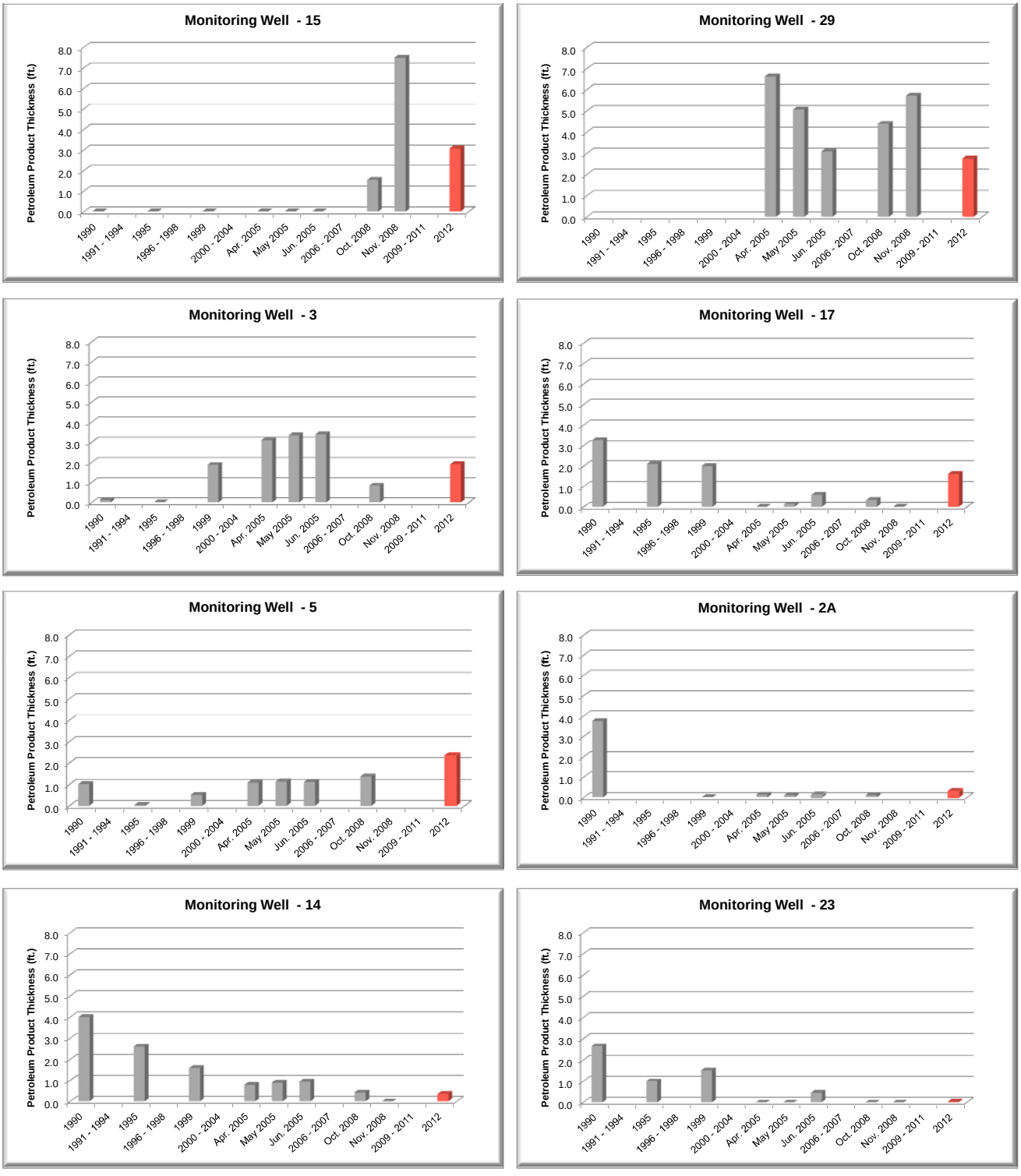


FIGURE 1. Evaluation of Historical trends in Product Thickness At The Jones & Laughlin Mine, Clifton NY

LEGEND:

PETROLEUM THICKNESS 8–29–2012

- 0.25–0.5'
- 0.5–1'
- 1–1.5'
- 1.5–2'
- 2–2.5'
- 2.5–3'
- 3–3.5'

WELLS SHOWING PETROLEUM PRODUCT IN 2012

150 0 150 300

SCALE: 1"=150'

FIGURE 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

2012 PETROLEUM THICKNESS INVESTIGATION

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315–451–9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD – GIS\FIGURES\PRODUCT CONTOURS\447415–SK–3D–TOP OF PETROL–2012.DWG
PLOT DATE 1/04/2017 PLOTTED BY RUSSO, JILL

Approximate Location of Of Outfall Piping

FPR System Enclosure

Approximate Location of Air Tower Stripper

Remediation Building A

Remediation Building B

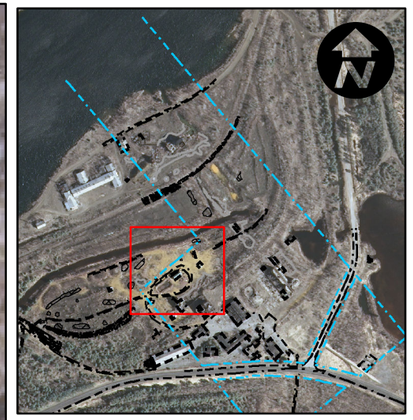
Remediation Building C

Former Fuel Oil Storage Tanks Location

FPR System Enclosure

MW-FD-MH
MW5
MW11
MW4A-MH
MW36
MW13
MW33 / REC MH 5
MW29
MW15
MW6A
MW27-MH
MW7
MW2A
MW12A
MWS4-MH / REC MH 4
MWS6-MH
MW26-MH
MW35
MWS3-MH / REC MH 3
MW22
MW9
MW8
MW32
MW23
MWS2-MH / REC MH 2
MW10
MW-104
MW-103
MW3 / REC MH 1
MW25-MH
MW28
MW31
MW16
MW37
MW14
MW24-MH
MW30
MW34
MW17
MW18
MW-101
MW-102
MW20
MW21
MW19

22
12
24
23
10
6
7
5
9
8
4 / 3



0 75 150 300

Feet

1 in = 125 ft

Approximate Location of the Petroleum Spill Area

HDPE Containment Wall

Recovery Trenches

Proposed Bail Down Test Locations

Existing Monitoring Well Locations

REC MH Recovery Manholes
FPR Full Product Recovery

Path: Q:\GIS\NYSDEC\447415 WA #3 J&L Steel Site Characterization\MXDs\J&L product recovery.mxd

FIGURE 3

New York State Department Of Environmental Conservation

Jones & Laughlin/Benson Mine

Town of Clifton, New York

Existing Product Recovery System and Proposed Bail-Down Locations

PARSONS

301 Plainfield Road, Syacuse NY, 13212

APPENDIX E

WELL BORING LOGS, WELL DEVELOPMENT LOGS, WELL SAMPLE LOGS

BORING LOGS

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-01 Page 1 of 1
Location Description:

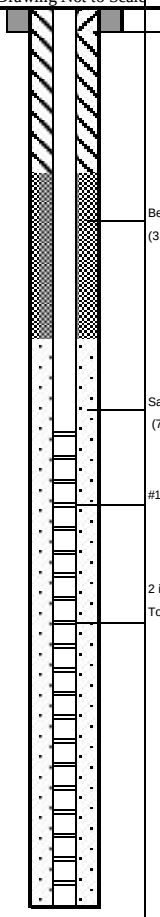
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		19'	ft bls
Additional Comments:			

Date/Time Start: October 5, 2012/1400
Date/Time Finish: October 5, 2012/1500

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC			4.7	SP	0	Dry, soft, fine to medium SAND, little silt, trace organic matter, trace gravel, poorly graded, non-plastic, non-cohesive.
					1	
					2	
					3	
					4	
SS	9-7-6-9	16"	0	SW	5	Moist, medium dense, brown to gray, silty SAND, trace wood debris and peat, non-plastic, non-cohesive
					6	
SS	8-12-10-10	18"	0	SP	7	Moist, medium dense, brown to gray, fine to coarse SAND, trace silt, trace fine gravel, non-plastic, non-cohesive, poorly graded
					8	
SS	5-2-3-10	14"	0.1	SP	9	Wet, loose, brown, silty SAND, trace silt, trace fine gravel, slightly cohesive, non-plastic, poorly graded
					10	
SS	7-18-15-20	16"	0.1	SP	11	Wet, medium dense, brown to black, fine SAND, little silt, trace coarse sand, non-plastic, non-cohesive, poorly graded, slight organic odor
					12	
SS	6-4-3-7	18"	0.1	SP	13	0-15.5"-Wet, loose, brown to black, fine sand, little silt, trace coarse sand. 14.5-18"- Wet, black, soft, CLAY, some silt, trace organic matter, slightly plastic/cohesive
					14	
SS	2-4-5-3	12"	0	CL	15	Wet, soft, black, CLAY, some silt, little organic matter grading to very fine sand, slightly plastic/cohesive
					16	
SS	3-7-8-7	24"	0	SP	17	Wet, loose, light-dark gray, fine SAND, 2"clay layer at 18", non-plastic, non-cohesive
					18	
					19	End of Boring
					20	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-02 Page 1 of 1
Location Description:

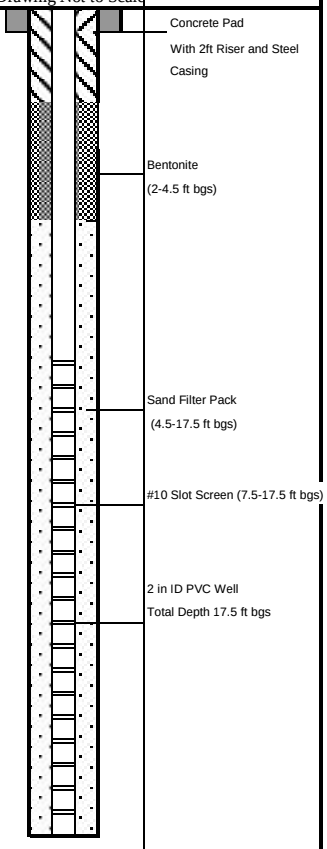
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		17.5	ft bgs
Additional Comments:			

Date/Time Start: October 2, 2012/0800
Date/Time Finish: October 2, 2012/0830

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC			0.3	SW	0	Moist, black to brown, loose, SAND, some silt, trace gravel, trace organic matter, non-plastic, non-cohesive
					1	
					2	
					3	
					4	
SS	3-2-5-6	24"	5.6	SW	5	Moist, loose, red-brown, fine SAND, little silt, non-plastic, non-cohesive
					6	
SS	5-6-7-7	18"	1.1	SW	7	Moist, loose, red-brown, fine SAND, little silt, non-plastic, non-cohesive
					8	
SS	2-3-5-8	12"	0.6	SW	9	Wet, loose, brown, fine to medium SAND, trace coarse sand, non-plastic, non-cohesive
					10	
SS	3-3-5-6	24"	0.1	SW	11	Wet, loose, brown, fine to medium SAND, trace coarse sand, non-plastic, non-cohesive
					12	
SS	5-5-7-10	20"	1	SP	13	Wet, medium dense, brown to gray, medium SAND, little fine sand, trace silt, non-plastic, non-cohesive
					14	
SS	3-2-3-3	21"	0.8	SP	15	Wet, medium dense, brown to gray, medium SAND, little fine sand, trace silt, non-plastic, non-cohesive
					16	
SS	4-3-4-3	24"	0.2	SW	17	Wet, loose, brown with black horizontal banding, medium SAND, little fine sand, non-plastic, non-cohesive
					18	
					19	End of Boring
					20	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

PARSONS

DRILLING RECORD

BORING/ WELL NO. JL-MW-03 Page 1 of 2

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		24.5	ft bgs
Additional Comments:			

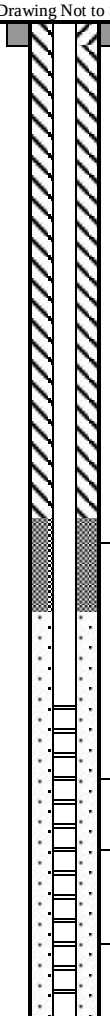
Date/Time Start: September 28, 2012/1200
Date/Time Finish: October 1, 2012/1100

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC			0.7	SP	0	Wet, loose, black, silty SAND, some coarse sand, little fine to coarse gravel, non-plastic, non-cohesive, poorly graded
					1	
					2	
					3	
					4	
SS	45-55/0.3	9"	0	SP	5	Dry, dense, black to brown, fine to medium SAND, little silt, little fine to coarse gravel, trace organic materials, non-plastic, non-cohesive, poorly graded
					6	
SS	33-8-50/0.2	10"	0.4	SP	7	Dry, dense, black, fine to medium SAND, some silt, little fine angular gravel, non-plastic, non-cohesive, poorly graded
					8	
SS	70-16-14-1(	14"	1	SP	9	0-4"-Fractured rock. 4-14"-Dry, dense, black, medium SAND and Silt, non-plastic, non-cohesive, poorly graded
					10	
SS	23-20-16-1	-	-	-	11	No Recovery
					12	
SS	14-16-12-3	2"	0	SW	13	Wet, medium dense, brown, fine to coarse SAND, trace silt, non-plastic, non-cohesive, well graded
					14	
SS	12-3-3-3	12"	0	SW	15	Wet, loose, brown, fine to coarse SAND, trace silt, non-plastic, non-cohesive, well graded
					16	
SS	3-2-5-5	16"	0.1	SW	17	Wet, loose, light brown, medium to coarse SAND, non-plastic, non-cohesive, well graded
					18	
SS	3-2-1-7	12"	0.1	SW	19	Wet, loose, light brown, medium to coarse SAND, non-plastic, non-cohesive, well g
					20	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

PARSONS

DRILLING RECORD

BORING/ WELL NO. JL-MW-03 Page 2 of 2

Contractor Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

Location Description:

GROUNDWATER OBSERVATIONS

Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		24.5	ft bgs
Additional Comments:			

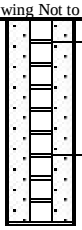
Date/Time Start: September 28, 2012/1200
Date/Time Finish: October 1, 2012/1100

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					20	
SS	1-7-8-7	24"	0.1	SW	21	Wet, medium dense, light brown, medium to coarse SAND, non-plastic, non-cohesive, well graded
					22	
SS	3-2-2-6	22"	0.1	SP	23	Wet, loose, brown, medium to coarse SAND, trace fine gravel, trace silt, non-plastic, non-cohesive, poorly graded
					24	
					25	End of Boring
					26	
					27	
					28	
					29	
					30	
					31	
					32	
					33	
					34	
					35	
					36	
					37	
					38	
					39	
					40	

SCHEMATIC

Drawing Not to Scale



COMMENTS

#10 Slot Screen (14.5-24.5 ft bgs)

2 in ID PVC Well

Total Depth 24.5 ft bgs

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-04
Location Description:

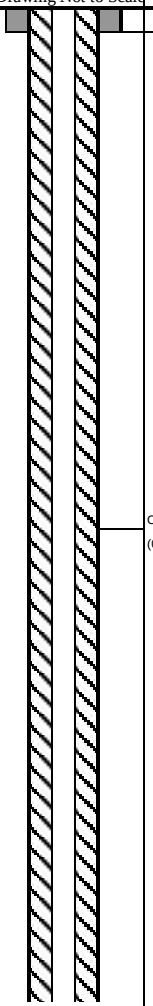
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		95.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC			0.4	SM	0	0-0.5"-Asphalt. 0.5-24"-Dry, loose, black, fine SAND, some silt, little fine to coarse gravel, non-cohesive, non-plastic. 24-60"-Dry, loose, yellow-brown, medium SAND and Silt, little fine sand, non-cohesive, non-plastic
					1	
					2	
					3	
					4	
SS	3-3-4-8	24"	0.2	SW	5	Dry, loose, yellow-brown, medium SAND, trace fine gravel, non-cohesive, non-plastic
					6	
					7	
					8	
					9	
SS	3-3-3-3	22"	0.2	SW	10	Dry, loose, yellow-brown, medium SAND, trace fine gravel, trace cinders at 18.5"
					11	
					12	
					13	
					14	
SS	1-3-4-4	20"	0	SW	15	Dry, loose, yellow-brown, medium SAND, trace fine gravel, trace cinders at 16.5"
					16	
					17	
					18	
					19	
					20	See next page

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-04
Location Description:

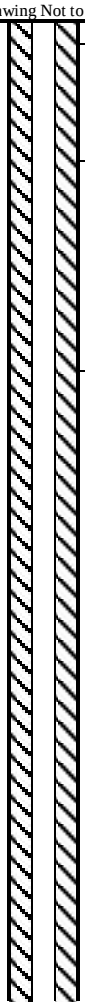
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		95.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
SS	3-5-5-6	21"	0.2	SW	20	Dry, loose, yellow-brown, medium SAND, trace cinders at 12", non-cohesive, non-plastic
					21	
					22	
					23	
					24	
SS	3-4-3-6	22"	0.1	SW	25	Dry, loose, yellow-brown, medium SAND, trace cinders at 18", trace organic material, non-cohesive, non-plastic, well graded
					26	
					27	
					28	
					29	
SS	4-5-5-7	24"	0.2	SW	30	Moist, loose, yellow-brown, medium SAND, trace cinders at 18", non-cohesive, non-plastic, well graded
					31	
					32	
					33	
					34	
SS	3-4-3-7	24"	0.3	SW	35	Wet, loose, yellow-brown, medium SAND, non-cohesive, non-plastic, well graded
					36	
					37	
					38	
					39	
					40	See next page

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

PARSONS

DRILLING RECORD

BORING/ WELL NO. JL-MW-04

Location Description:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		95.5	ft bgs
Additional Comments:			

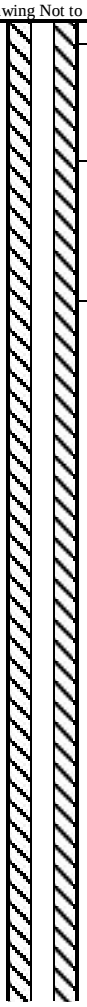
Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
SS	4-4-6-6	24"	0	SW	40	Wet, medium dense, light brown, medium SAND, trace fine gravel, non-plastic, non-cohesive, well graded
					41	
					42	
					43	
					44	
SS	1-10-13-1	17"	0	SW	45	Wet, medium dense, brown, fine to medium SAND, non-cohesive, non-plastic, well graded, gray-black banding
					46	
					47	
					48	
					49	
SS	7-7-7-7	19"	0	SW	50	Wet, medium dense, brown, fine SAND, slighty cohesive, slightly plastic, well graded
					51	
					52	
					53	
					54	
SS	10-3-4-12	24"	0	SW	55	Wet, medium dense, brown, fine SAND, little silt, non-cohesive, slightly plastic, well graded
					56	
					57	
					58	
					59	
					60	See next page

SCHEMATIC

Drawing Not to Scale



COMMENTS

#10 Slot Screen (14.5-24.5 ft bgs)

2 in ID PVC Well

Total Depth 24.5 ft bgs

Cement Grout (0-77.7' ft bgs)

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. Page 4 of 5 **JL-MW-04**
Location Description:

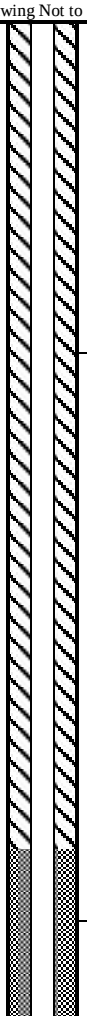
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		95.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
SS	20-31-32-40	24"	0	SP	60	Wet, very dense, gray-brown, medium SAND, some coarse sand, some fine gravel, non-cohesive, non-plastic, poorly graded
					61	
					62	
					63	
					64	
SS	36-42-41-45	22"	0	SP	65	Wet, very dense, medium to fine SAND, little semi-angular to semi-rounded gravel, non-cohesive, non-plastic, poorly graded
					66	
					67	
					68	
					69	
SS	100/0.4	0	-	-	70	No Recovery
					71	
					72	
					73	
					74	
SS	41-68	12"	0	SP	75	Wet, very dense, dark gray-brown, medium SAND, trace fine gravel, trace coarse sand, non-cohesive, non-plastic
					76	
					77	
					78	
					79	
					80	See next page

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-04 Page 5 of 5
Location Description:

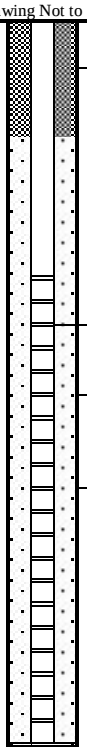
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		95.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
SS	100/1	0	-	-	80	No Recovery. Bedrock at 80'.
					81	Rock Core-Fracture at 82' and 86' and from 87' to 95.7' Alkaline feldspar granite, dark red, medium to loose grains with good shape, fracturing in even direction, horizontal, diagonal, and vertical with the long depth fracture on a mostly horizontal plane. Quartz, feldspar and traces of tourmoline.
					82	
					83	
					84	
					85	
					86	
					87	
					88	
					89	
					90	
					91	
					92	
					93	
					94	
					95	
					96	
					97	End of Boring
					98	
					99	
					100	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-05
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		96.5	ft bgs
Additional Comments:			

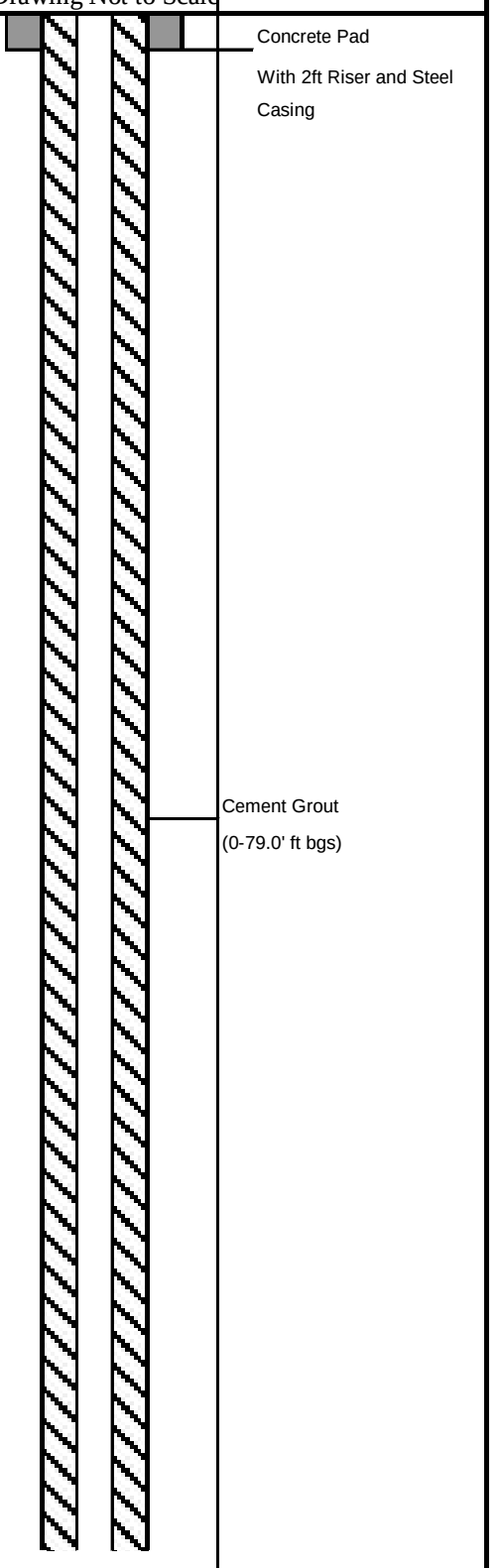
Date/Time Start: September 7, 2012
Date/Time Finish: September 8, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC			0.5	SP	0	0-0.5"-Asphalt. 0.5-60"-Dry, loose, brown, fine to medium SAND, some fine gravel, trace organic material, non-plastic, non-cohesive, poorly graded
					1	
					2	
					3	
					4	
SS	3-3-2-3	18"	0	SP	5	Dry, loose, brown, fine to medium SAND, some fine gravel, trace organic material, non-plastic, non-cohesive, poorly graded
					6	
SS	5-7-6-8	24"	0	SW	7	Dry, loose, yellow-brown, medium SAND, non-cohesive, non-plastic, well graded
					8	
SS	2-3-3-9	24"	0	SW	9	Dry, loose, light to dark brown, medium SAND, 1" layer of fill debris at 6", non-cohesive, non-plastic, well graded
					10	
SS	3-6-6-5	24"	0	SW	11	Dry, loose, yellow-brown, medium SAND, non-cohesive, non-plastic, well graded
					12	
SS	7-7-6-8	24"	0	SW	13	Dry, medium dense, dark to light brown, medium SAND, little fine gravel, non-cohesive, non-plastic
					14	
SS	4-4-5-6	20"	0	SW	15	Dry, loose, light brown, medium SAND, little fine angular gravel, non-cohesive, non-plastic, well graded
					16	
SS	6-6-7-6	24"	0	SW	17	Dry, loose, light brown, medium to coarse SAND, trace fine angular gravel, non-cohesive, non-plastic, well graded
					18	
SS	2-4-4-7	24"	0.7	SP	19	0-0.3"-Dry, black, loose, very fine SAND, little organic material. 0.3-24"-Dry, black, medium to coarse SAND, trace fine angular gravel, non-cohesive, non-plastic, poorly graded
					20	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-05
Location Description:

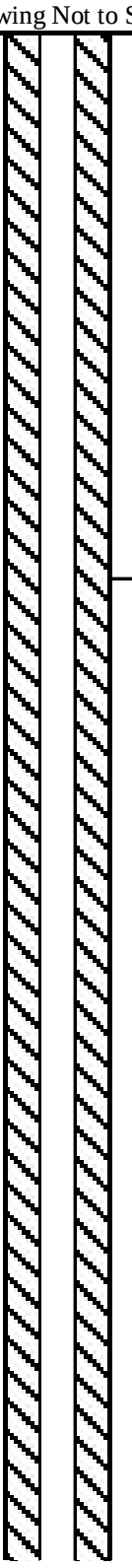
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		96.5	ft bgs
Additional Comments:			

Date/Time Start: September 7, 2012
Date/Time Finish: September 8, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					20	
SS	6-7-7-7	24"	38.5	SW	21	Moist, medium dense, dark to light brown, very fine SAND, non-cohesive, non-plastic, slight petroleum odor
					22	
SS	3-8-4-8	24"	37.1	SW	23	Moist, medium dense, dark to light brown, very fine SAND, non-cohesive, non-plastic, slight petroleum odor
					24	
SS	3-3-3-4	24"	1.1	SP-SW	25	0-0.7"-Moist, loose, dark brown, fine to medium SAND, little rounded medium gravel, trace organic material, non-cohesive, non-plastic. 0.7-24"-Moist, dark brwon, fine SAND, non-cohesive, non-plastic
					26	
SS	2-3-8-3	22"	1.1	SW	27	Moist, medium dense, yellow-brown with black banding, fine to medium SAND, 1" layer of dark brown fine sand and gravel at 6" and 1" layer of silt at 24", non-cohesive, non-plastic
					28	
SS	0-31-30-1	24"	0.6	SW	29	0-8"-Moist, dense, brown, fine to medium SAND, trace angular fine gravel, trace organic material. 8-24"-Moist, dense, light brown, fine to medium SAND, non-cohesive, non-plastic
					30	
SS	11-9-10-12	24"	3.8	SW	31	Wet, medium dense, gray-brown, fine to medium SAND, trace coarse sand, non-cohesive, non-plastic
					32	
SS	7-8-10-10	16"	110	SW	33	Wet, medium dense, gray-brown, fine to medium SAND, non-cohesive, non-plastic, strong petroleum odor
					34	
SS	9-10-12-14	12"	85.8	SW	35	Wet, medium dense, gray-brown, fine to medium SAND, non-cohesive, non-plastic, strong petroleum odor, sheen on porewater
					36	
SS	5-7-9-10	12"	249	SW	37	Wet, medium dense, gray-brown, fine to medium SAND, non-cohesive, non-plastic, strong petroleum odor, sheen on porewater
					38	
SS	4-7-8-11	15"	160	SW	39	Wet, medium dense, gray-brown, fine to medium SAND, non-cohesive, non-plastic, strong petroleum odor, sheen on porewater
					40	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

PARSONS
DRILLING RECORD

BORING/ WELL NO. JL-MW-05

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

Location Description:

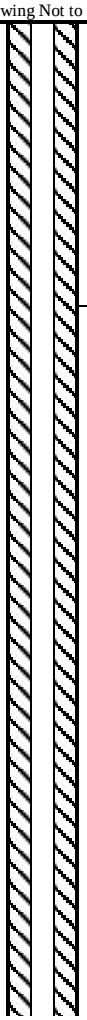
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		96.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					40	
SS	1-12-17-2	24"	45.4	SW	41	Wet, medium dense, gray-brown, fine to medium SAND, non-cohesive, non-plastic, petroleum odor
					42	
SS	2-18-29-2	18"	28.3	SW	43	Wet, medium dense, gray-brown, fine to medium SAND, silt lense at 18", non-cohesive, non-plastic, petroleum odor
					44	
SS	8-14-23-2	20"	9.9	SW	45	Wet, medium dense, gray-brown, fine to medium SAND, 1' silt lense at 6", non-cohesive, non-plastic
					46	
SS	5-12-15-17	20"	12.5	SW	47	Wet, medium dense, gray-brown, fine to medium SAND, 1' silt lense at 6", non-cohesive, non-plastic
					48	
SS	8-13-15-16	17"	6.1	SW	49	Wet, medium dense, brown, fine to medium SAND, black banding throughout, non-cohesive, non-plastic, well graded
					50	
SS	2-14-16-1	6"	27.4	SW	51	Wet, medium dense, brown, fine to medium SAND, black banding throughout, non-cohesive, non-plastic, well graded
					52	
SS	8-10-10-8	18"	0	SM	53	Wet, medium dense, brown, fine SAND, some silt, slightly cohesive, slightly plastic
					54	
SS	6-6-12-19	22"	6.8	SW-SM	55	0-12"-Wet, medium dense, brown, silty SAND, non-cohesive, non-plastic, slight petroleum odor, well graded. 12-22"-Wet, stiff, brown, SILT with black banding, slightly cohesive, non-plastic
					56	
SS	4-3-5-10	14"	0.5	ML	57	Wet, soft, brown, SILT, slightly cohesive, non-plastic
					58	
SS	5-6-4-4	24"	4.5	ML	59	Wet, soft, brown, SILT, trace fine sand, medium cohesive, medium plastic
					60	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-05 Page 4 of 5
Location Description:

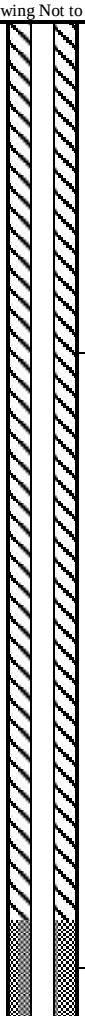
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		96.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					60	
SS	5-6-8-12	24"	2.7	ML	61	Wet, soft, brown, SILT, trace fine sand, medium cohesive, medium plastic
					62	
SS	8-12-18-26	24"	0.8	SW	63	Wet, dense, gray-brown, medium SAND, trace coarse sand, trace fine angular gravel, non-cohesive, non-plastic
					64	
SS	28-37-38-3	24"	0.2	SW	65	Wet, dense, brown, medium SAND, little coarse sand, non-cohesive, non-plastic
					66	
SS	3-24-43-50/	12"	0.3	SW	67	Wet, dense, brown, medium SAND, little coarse sand, non-cohesive, non-plastic
					68	
SS	22-27-36-3	12"	0	SW	69	Wet, dense, brown, medium SAND, little coarse sand, trace fine gravel, non-cohesive, non-plastic
					70	
SS	32-34-32-4	15"	0.7	SW	71	Wet, very dense, brown, medium sand, little coarse sand, trace coarse gravel, non-cohesive, non-plastic
					72	
SS	12-15-11-3	2"	12.8	SW	73	Wet, dense, brown, medium SAND, non-cohesive, non-plastic, well graded, slight petroleum odor
					74	
SS	17-30-58-8	24"	4.3	SW	75	Wet, very dense, brown, medium SAND, non-cohesive, non-plastic
					76	
SS	50/1	1"	0.3		77	Wet, dense, gray, angular coarse crushed stone. Bedrock at 77.7'.
					78	
					79	
					80	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-05
Location Description:

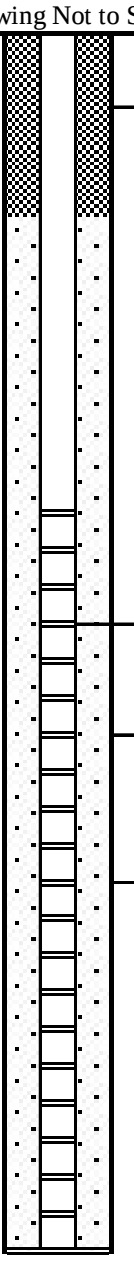
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		96.5	ft bgs
Additional Comments:			

Date/Time Start: September 4, 2012
Date/Time Finish: September 6, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					80	
					81	
					82	Rock Core-Alkaline feldspar granite, dark red, medium to loose grains fractures.Quartz and feldspar
					83	
					84	
					85	
					86	
					87	
					88	
					89	
					90	
					91	
					92	
					93	
					94	
					95	
					96	
					97	End of Boring
					98	
					99	
					100	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-06
Location Description:

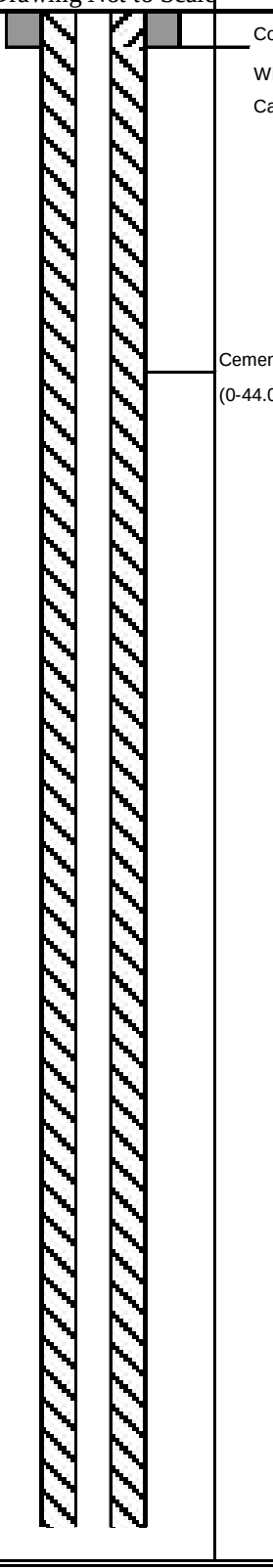
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		65	ft bgs
Additional Comments:			

Date/Time Start: September 8, 2012
Date/Time Finish: September 9, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC			2.7	SW	0	Dry, loose, brown, medium SAND, little fine to medium gravel, non-cohesive, non-plastic, well graded
					1	
					2	
					3	
					4	
SS	3-3-3-7	12"	1.1	SP	5	Dry, loose, brown, fine to coarse SAND, little silt, little fine angular gravel, non-cohesive, non-plastic, poorly graded
					6	
SS	5-16-17-1	24"	0	SW	7	Dry, medium dense, light to dark brown, medium SAND, little fine gravel, non-cohesive, non-plastic, well graded
					8	
SS	1-2-3-5	12"	0.1	SW-ML	9	0-12"- Dry, medium dense, light to dark brown, medium SAND, little find gravel, non-cohesive, non-plastic, well graded. 12-24"-Dry, soft, black, SILT, some fine sand, trace organic materal, non-cohesive, non-plastic
					10	
SS	7-7-8-7	15"	0.1	ML	11	Dry, soft, black, SILT, some fine sand, trace organic material, non-cohesive, non-plastic
					12	
SS	11-8-9-10	24"	0.3	ML	13	Dry, soft, black, SILT, some fine sand, trace organic materal, light brown silt lense in bottom foot, non-cohesive, non-plastic
					14	
SS	6-7-8-10	17"	0.3	ML	15	Dry, soft, black, SILT, some fine sand, trace organic materal, layer of crushed rock at 6", non-cohesive, non-plastic
					16	
SS	7-7-12-11	20"	1	SW	17	Dry, medium dense, light brown, medium SAND, 1" lense of fine sand and silt at 18", non-cohesive, non-plastic, well graded
					18	
SS	2-3-7-8	12"	0.2	SW	19	Dry, medium dense, light brown, medium SAND, 1" lense of fine sand and silt at 18", non-cohesive, non-plastic, well graded
					20	

SCHEMATIC



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

WELL NO. JL-MW-06
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		65	ft bgs
Additional Comments:			

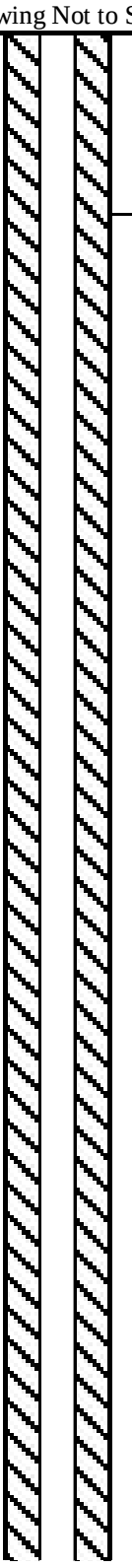
Date/Time Start: September 8, 2012
Date/Time Finish: September 9, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					20	
SS	7-16-8-10	17"	0.4	SW	21	Dry, medium dense, light brown, medium SAND with thin black lenses, non-cohesive, non-plastic, well graded
					22	
SS	5-8-8-10	8"	0.1	SW	23	Moist, medium dense, brown, medium SAND, non-cohesive, non-plastic, well graded
					24	
SS	2-18-19-2	12"	0.4	SW	25	Moist, medium dense, brown, medium SAND grading to fine sand with black lenses, non-cohesive, non-plastic, well graded
					26	
SS	8-14-14-17	12"	0.3	SW	27	Moist, medium dense, brown to light brown, fine SAND with black lenses, non-cohesive, non-plastic, well graded
					28	
SS	9-17-15-14	12"	0.5	SW	29	Moist, medium dense, brown to light brown, fine SAND with black lenses, non-cohesive, non-plastic, well graded
					30	
SS	9-14-14-14	16"	0.4	SW	31	Wet, medium dense, brown with black lenses, very fine SAND, trace silt, non-cohesive, non-plastic
					32	
SS	6-3-6-8	20"	0	ML	33	Wet, soft, light brown, SILT and Sand, non-cohesive, non-plastic
					34	
SS	3-4-4-10	21"	0	ML	35	Wet, soft, brown, SILT, slightly cohesive, slightly plastic
					36	
SS	4-7-31-37	18"	0	ML-SW	37	0-12"-Wet, soft, brown, SILT, slightly cohesive, slightly plastic. 12-18"-Wet, dense, brown, medium SAND, trace fine angular gravel, non-cohesive, non-plastic
					38	
SS	4-27-24-3	6"	0	SM	39	Wet, brown, medium SAND and Silt, rock in tip of spoon
					40	

SCHEMATIC

Drawing Not to Scale



Cement Grout (0-44.0 ft)

COMMENTS

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

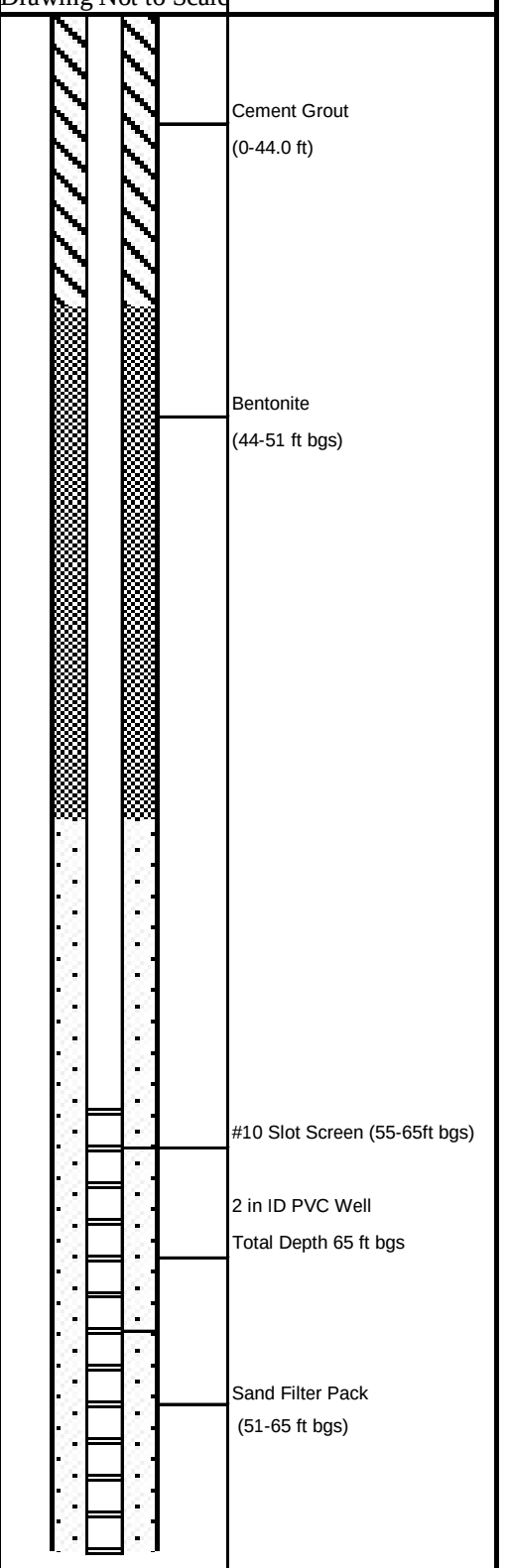
BORING/ WELL NO. JL-MW-06
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		65	ft bgs
Additional Comments:			

Date/Time Start: September 8, 2012
Date/Time Finish: September 9, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					40	
SS	30-29-25-2	19"	0	GP	41	Wet, very dense, gray-brown, coarse SAND and fine to medium Gravel, non-cohesive, non-plastic
					42	
SS	16-12-50/3	12"	0	GP	43	Wet, very dense, red-brown, medium SAND and fine Gravel, little silt, non-cohesive, non-plastic, rock fragments
					44	
					45	Install 5' rock socket for coring.
					46	
					47	
					48	
					49	
					50	Alkaline feldspar granite, dark red, gray mottled, medium to coarse grained, fractures running mostly horizontally
					51	
					52	
					53	
					54	
					55	
					56	
					57	
					58	
					59	
					60	



SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-06
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		65	ft bgs
Additional Comments:			

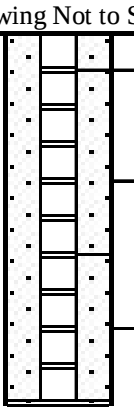
Date/Time Start: September 8, 2012
Date/Time Finish: September 9, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					60	Alkaline feldspar granite, dark red, gray mottled, medium to coarse grained, fractures running mostly horizontally
					61	
					62	
					63	
					64	
					65	End of Boring
					66	
					67	
					68	
					69	
					70	
					71	
					72	
					73	
					74	
					75	
					76	
					77	
					78	
					79	
					80	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (post hole)
SS= Split Spoon

COMMENTS:

PARSONS

DRILLING RECORD

BORING/ WELL NO. JL-MW-07

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

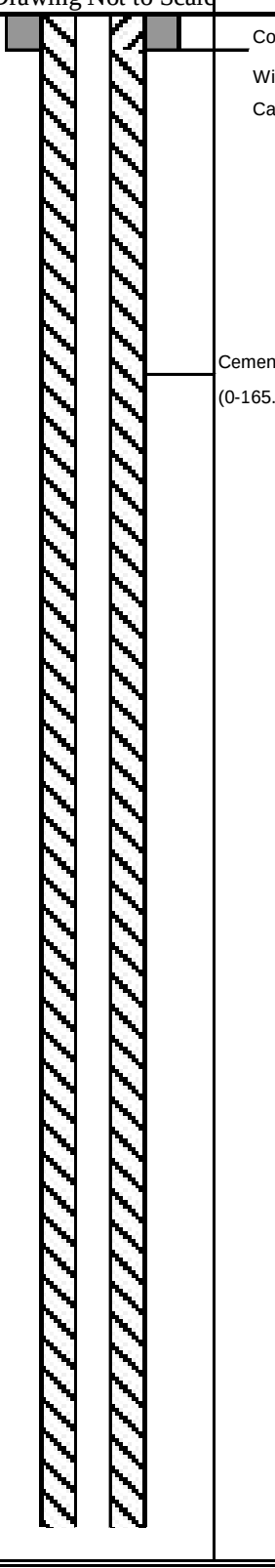
Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
HC				SP	0	Dry, loose, yellow-brown, medium SAND, little fine gravel, little fill material, non-cohesive, non-plastic, poorly graded
					1	
					2	
					3	
					4	
SS	3-3-4-5	8"	0	SP	5	Dry, loose, yellow-brown, medium SAND, little fine gravel, little fill material, non-cohesive, non-plastic, poorly graded
					6	
SS	0-10-12-1	14"	0	SW	7	Moist, medium dense, brown, medium SAND, trace coarse sand, non-cohesive, non-plastic, well graded
					8	
SS	WH-3-4-4	16"	0.3	SW	9	Dry, loose, light brown, medium to fine SAND, non-cohesive, non-plastic, well graded
					10	
SS	5-5-8-7	20"	0.3	SW	11	Dry, loose, medium to fine SAND, non-cohesive, non-plastic, well graded
					12	
SS	3-3-3-4	15"	0.7	SW	13	Dry, loose, medium to fine SAND, non-cohesive, non-plastic, well graded
					14	
SS	3-4-4-5	24"	0.1	SW	15	Dry, loose, brown grading to light brown, fine to medium SAND, trace fine gravel, non-cohesive, non-plastic, well graded
					16	
SS	3-3-3-5	20"	92.1	SW	17	Moist, loose, light brown-brown, fine to medium SAND, non-cohesive, non-plastic, solvent type odor at 17.5ft
					18	
SS	3-3-3-4	24"	152	SW	19	0-18"-Moist, loose, light brown-brown, fine to medium SAND, non-cohesive, non-plastic, solvent type odor. 18-24"- Moist, loose, gray, medium SAND, non-cohesive, non-plastic, well graded, strong odor, sheen on porewater
					20	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					20	
SS	3-3-4-4	24"	102	SW	21	Moist, loose, gray, medium SAND, non-cohesive, non-plastic, well graded, strong solvent/petroleum type odor
					22	
SS	4-4-5-7	12"	163	SW	23	Moist, loose, gray, medium SAND, non-cohesive, non-plastic, well graded, strong solvent/petroleum type odor
					24	
SS	2-17-24-2	16"	199	SW	25	Wet, medium dense, dark gray, medium SAND, non-cohesive, non-plastic, strong odor
					26	
SS	8-12-14-14	20"	172	SW	27	Wet, medium dense, dark gray, fine to medium SAND, non-cohesive, non-plastic, strong odor
					28	
SS	3-4-11-15	18"	211	SW	29	Wet, medium dense, dark gray grading to brown, fine to medium SAND, non-cohesive, non-plastic, strong odor
					30	
SS	9-12-15-16	19"	58.6	SW	31	Wet, medium dense, dark gray grading to brown, fine to medium SAND, non-cohesive, non-plastic, strong odor
					32	
SS	8-11-15-18	18"	26	SW	33	Wet, medium dense, gray brown with black lenses, fine to medium SAND, non-cohesive, non-plastic, slight odor
					34	
SS	4-19-21-2	21"	79	SW	35	Wet, dense, brown with black lenses, medium SAND, non-cohesive, non-plastic, slight odor
					36	
SS	8-15-15-16	15"	28.3	SW	37	Wet, dense, brown with black lenses, medium SAND, non-cohesive, non-plastic, minimal odor
					38	
SS	5-15-15-14	17"	15.2	SW	39	Wet, dense, brown with black lenses, medium SAND, non-cohesive, non-plastic, minimal odor
					40	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

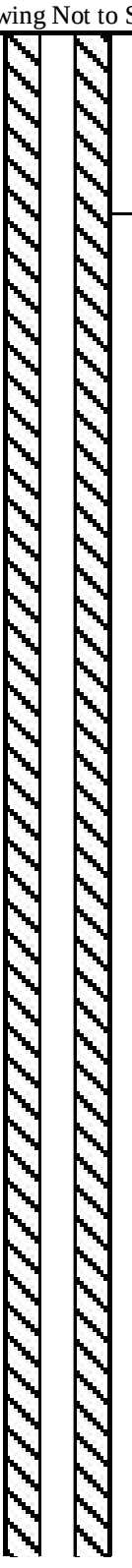
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		185	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					40	
SS	3-10-16-16	16"	21.3	SW	41	Wet, medium dense, brown, fine SAND, non-cohesive, non-plastic, well graded minimal odor
					42	
SS	7-14-15-20	12"	21.7	SW	43	Wet, medium dense, brown, fine SAND, non-cohesive, non-plastic, well graded minimal odor
					44	
SS	11-12-19-2	19"	42.1	SW	45	0-12"-Wet, medium dense, gray, medium SAND, non-cohesive, non-plastic. 12-19"-Wet, medium dense, brown with black lenses, medium SAND
					46	
SS	5-7-7-9	8"	13.4	SW	47	Wet, loose, light brown with black lenses, fine SAND, non-cohesive, non-plastic, slight odor
					48	
SS	3-17-17-21	12"	12.6	SW	49	Wet, loose, light brown with black lenses, fine SAND, non-cohesive, non-plastic, slight odor
					50	
SS	7-11-16-18	20"	16.1	SW	51	Wet, loose, light brown with black lenses, fine SAND, non-cohesive, non-plastic, slight odor
					52	
SS	7-11-17-17	20"	8.3	SW	53	Wet, medium dense, brown with black lenses, fine SAND, non-cohesive, non-plastic, well graded, slight odor
					54	
SS	0-12-16-1	18"	9.6	SW	55	Wet, medium dense, brown with black lenses, fine SAND, non-cohesive, non-plastic, well graded, slight odor
					56	
SS	6-7-15-21	16"	3.6	SW	57	Wet, medium dense, light brown-brown, fine SAND, non-cohesive, non-plastic, well graded
					58	
SS	7-15-18-18	17"	6.1	SW	59	Wet, medium dense, light brown-brown, fine SAND, non-cohesive, non-plastic, well graded
					60	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

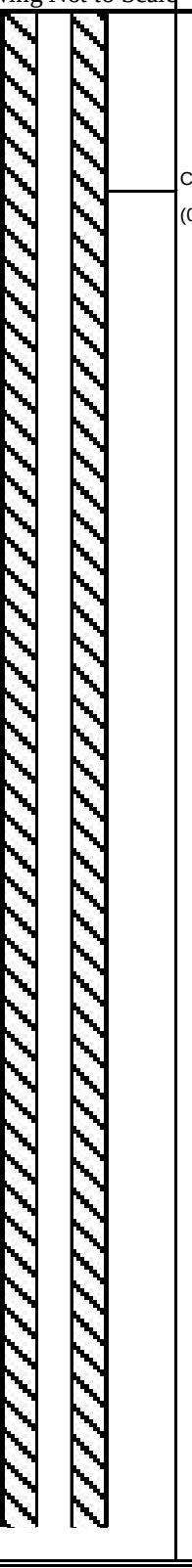
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					60	
SS	6-14-12-1	22"	0	SW	61	Wet, medium dense, brown, fine SAND, some silt lenses at 62.6ft, non-cohesive, non-plastic
					62	
SS	12-17-7-7	22"	0	SW	63	Wet, medium dense, brown, fine SAND, silt layer at 65', non-cohesive, non-plastic
					64	
SS		24"	1.3		65	Wet, medium stiff, brown, SILT, slightly cohesive, non-plastic
					66	
SS	9-8-10-12	24"	2.5		67	Wet, medium stiff, brown, SILT grading to medium sand, trace fine gravel, trace coarse sand, non-cohesive, non-plastic
					68	
SS	WH-1-30-24	24"	1.9		69	0-12"-Wet, soft, brown, SILT, non-cohesive, non-plastic. 12-24"-Wet, dense, brown, medium SAND, trace fine gravel, non-cohesive, non-plastic
					70	
SS	29-37-50/4	14"	5.9	SP	71	Wet, dense, brown, medium SAND, trace coarse sand, trace fine gravel, non-cohesive, non-plastic
					72	
					73	Rock Core
					74	
					75	
					76	
					77	
SS	WH-1-31-5	12"	18.8	SP	78	Wet, dense, brown, fine SAND, some medium sand, non-cohesive, non-plastic, poorly graded
					79	
					80	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

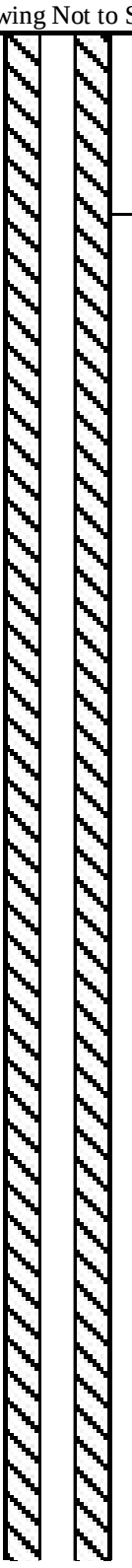
Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
SS	5-47-42-5	24"	6	SP	80	Wet, very dense, brown, fine SAND, some coarse to medium sand, non-cohesive, non-plastic, poorly graded
					81	
SS	46-82-50/2	12"	3.2	SP	82	Wet, very stiff, gray-brown, SILT, trace fine to medium angular gravel, non-cohesive, non-plastic
					83	
SS	45-67-60/4	12"	1.5	SP	84	Wet, very dense, gray-brown, fine to medium SAND, trace angular fine gravel, non-cohesive, non-plastic, poorly graded
					85	
					86	Grinding on hard rock material to determine actual material.
					87	
					88	
SS	29-64-50/2	12"	0.7	SP	89	Wet, very dense, brown, medium SAND, little fine angular gravel, non-cohesive, non-plastic, poorly graded
					90	
SS	67-50/2	6"	0.4	SP	91	Wet, very dense, brown, medium SAND, little fine angular gravel, non-cohesive, non-plastic, poorly graded
					92	
SS	125/6	4"	0	SW	93	Wet, very dense, brown, medium SAND, trace fine angular gravel, non-cohesive, non-plastic
					94	
SS	100/3	3"	0	SM	95	Wet, very stiff, gray, SILT and medium SAND, non-cohesive, non-plastic
					96	
SS					97	No Sample due to grinding on very hard material
					98	
SS	90/6	5"	1.4	SW	99	Wet, dense, brown, medium SAND, slightly cohesive, non-plastic
					100	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					100	
SS	100/6	6"	0.5	SW	101	Wet, very dense, red-brown, medium SAND, trace coarse sand, trace angular medium gravel, trace rock fragments, non-cohesive, non-plastic, well graded
					102	
SS	100/5	4"	1	SW	103	Wet, very dense, brown, very fine SAND, trace of medium sand, trace fine gravel, slightly cohesive, slightly plastic, well graded
					104	
SS	100/3	3"	0.5	SW	105	Wet, very dense, brown, fine SAND, trace coarse sand, slightly cohesive, slighly plastic, well graded
					106	
SS	100/2	2"	0.2	SW	107	Wet, very dense, brown, fine SAND, trace medium sand, non-cohesive, non-plastic
					108	
SS	100/4	2"	0.6		109	Wet, very stiff, brown, SILT, trace meidum sand, non-cohesive, non-plastic
					110	
					111	No sample due to grinding on hard material
					112	
SS	100/2	1"			113	Wet, very dense, brown, medium SAND
					114	
SS	100/2	1"	0.6		115	Fractured angular granite chips
					116	
SS	100/2	2"	0.8		117	Wet, very dense, brown, fine to coarse SAND, little fine angular gravel, trace silt, non-cohesive, non-plastic, poorly graded
					118	
SS	30-63-100/	18"	0.3	CL-SM	119	0-12"-Wet, very stiff, yellow-orange with red lenses, CLAY, some medium sand sized quartz and feldspar grains. 12-18"- Wet, very dense, brown, fine to medium SAND, some clay layers, little silt, non-cohesive, non-plastic
					120	

SCHEMATIC — Drawing Not to Scale



Cement Grout (0-165.0 ft)

COMMENTS

SAMPLING METHOD

HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

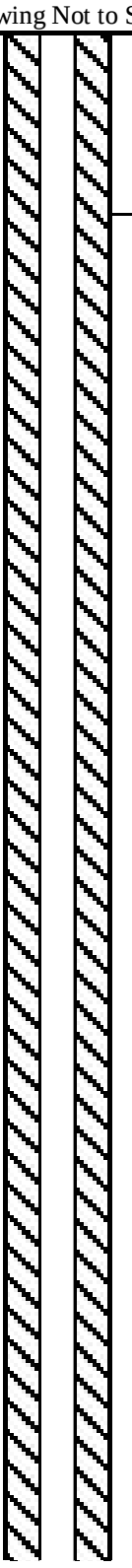
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					120	
SS	42-44-50/3	14"	1	ML	121	0-6"- Wet, very dense, brown, fine to medium SAND, some clay layers, little silt, non-cohesive, non-plastic. 6-14"- Wet, very stiff, yellow-brown SILT grading to red-brown CLAY, some medium sand, slightly cohesive, slightly plastic
					122	
SS	37-45-33-3	14"	0.8	ML	123	Wet, very stiff, yellow-brown, SILT and fine to medium Sand, slightly cohesive, slightly plastic
					124	
SS	33-39-63-50/	12"	1	ML	125	Wet, very stiff, yellow-brown, SILT and fine to medium Sand, slightly cohesive, slightly plastic
					126	
SS	14-24-38-3	24"	1	ML	127	Wet, very stiff, yellow-brown, SILT and fine to medium Sand, slightly cohesive, slightly plastic
					128	
SS	30-74-50/2	12"	0.5	CL	129	Wet, very stiff, yellow-brown, CLAY, and Silt, trace medium sand, slightly cohesive, slightly plastic
					130	
SS	25-35-52-7	24"	1.1	CL	131	Wet, very stiff, red-white, CLAY and medium Sand, slightly cohesive, slightly plastic
					132	
SS	84-50/2	6"	1.4	SM	133	Wet, very dense, red-brown, medium SAND, trace silt, slightly cohesive, slightly plastic
					134	
SS	33-35-49-5	24"	0.2	SW	135	Wet, very dense, tan, medium SAND, little silt, non-cohesive, non-plastic, well graded
					136	
SS	39-52-55-10	16"	0.4	SW	137	Wet, very dense, tan, medium SAND, little silt, non-cohesive, non-plastic, well graded
					138	
SS	44-51-51-5	24"	0.2	SW	139	Wet, very dense, tan, medium SAND, little silt grading to light red medium sand, non-cohesive, non-plastic, well graded
					140	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					140	
SS	57-75/2	8"	0.3		141	Wet, very dense, light red, medium SAND, little silt, non-cohesive, non-plastic, well graded
					142	
SS	0-50-70-10	24"	0.4	SW	143	Wet, very dense, mottled brown-yellow, medium SAND, little silt, trace clay, slightly cohesive, non-plastic, well graded
					144	
SS	100/4	4"	0.1	SW	145	Wet, very dense, mottled brown-yellow, medium SAND, little silt, trace clay, slightly cohesive, non-plastic, well graded
					146	
SS	120/6	6"	0.7	SW	147	Wet, very dense, mottled brown-yellow, medium SAND, little silt, trace clay, slightly cohesive, non-plastic, well graded
					148	
SS	40-50/4	10"	0.1		149	Wet, very dense, mottled brown-yellow, medium SAND, little silt, trace clay, slightly cohesive, non-plastic, well graded
					150	
SS	100/2	0"	-	-	151	No Recovery
					152	
SS	75-50/2	7"	0.5		153	Wet, very dense, light brown medium SAND, little silt, non-cohesive, non-plastic, well graded
					154	
SS	40-100	12"	0.1		155	0-6"-Wet, very dense, light brown medium SAND, little silt, non-cohesive, non-plastic, well graded. 6-12"-Wet, very dense, medium SAND, some silt lenses, some angular coarse sand, slightly cohesive, non-plastic
					156	
SS	100/4	4"	0.2		157	Wet, very dense, medium SAND, some silt lenses, some angular coarse sand, slightly cohesive, non-plastic
					158	
SS	100/5	5"	0		159	Wet, very dense, brown, medium SAND, trace silt, non-cohesive, non-plastic, well graded
					160	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

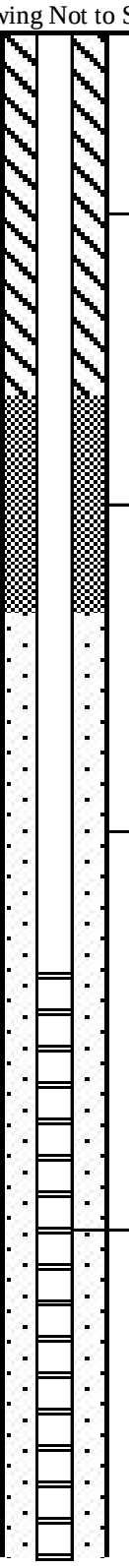
Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					160	
SS	100/1	0"	-	-	161	No Recovery
					162	
SS	100/1	0"	-	-	163	No Recovery
					164	
SS	100/1	1"	0	SW	165	Wet, very dense, brown, medium SAND, non-cohesive, non-plastic, well graded
					166	
SS	100/1	0"	-	-	167	No Recovery
					168	
SS	100/1	0"	-	-	169	No Recovery
					170	
SS	100/0	0"	-	-	171	No Recovery
					172	
SS	100/1	1"	0	SW	173	Wet, very dense, brown, medium SAND, little silt, non-cohesive, non-plastic, well graded
					174	
SS	100/2	0"	-	-	175	No Recovery
					176	
SS	100/0	0"	-	-	177	No Recovery
					178	
SS	100/2	2"	0	SW	179	Wet, very dense, yellow-brown, medium SAND, little silt, non-cohesive, non-plastic, well graded
					180	

SCHEMATIC

Drawing Not to Scale



COMMENTS

SAMPLING METHOD

HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

Contractor: Parratt-Wolff
Driller: Doug Richmond
Oversight: Dan Chamberland
Rig Type: Truck Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC J&L Steel
PROJECT Location: Star Lake, NY

BORING/ WELL NO. JL-MW-07
Location Description:

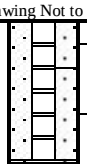
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		183	ft bgs
Additional Comments:			

Date/Time Start: September 10, 2012
Date/Time Finish: September 21, 2012

Location Plan

Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
					180	
SS	100/3	3"	0	SW	181	Wet, very dense, yellow-brown, medium SAND, little silt, non-cohesive, non-plastic, well graded
					182	
SS	100/3	3"	0	SW	183	Wet, very dense, brown, medium to coarse SAND, little silt, non-cohesive, non-plastic, well graded
					184	
					185	End of Boring
					186	
					187	
					188	
					189	
					190	
					191	
					192	
					193	
					194	
					195	
					196	
					197	
					198	
					199	
					200	

SCHEMATIC
Drawing Not to Scale



COMMENTS
#10 Slot Screen (173-183ft bgs)
2 in ID PVC Well
Total Depth 183 ft bgs

SAMPLING METHOD
HC = Hand Cleared (soft dig)
SS= Split Spoon

COMMENTS:

WELL DEVELOPMENT LOGS

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-01 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 950

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 19.8ft Diameter: 2in
Screen Depth: 9-19ft
Development Method: Whale Pump

GROUNDWATER PURGING

Initial Static Water Level: 10.8ft
One Well Volume: 10 Volumes

2-Inch Casing:	10.4	Feet of Water x 0.16 Gallons/Foot =	1.7	Gallons	17gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 35.0 Gallons
Purging Device: Whale Pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
951	10.9	6.13	0.36	OR	Initial Reading-very silty
1019	12.8	6.52	0.35	OR	
1025	11.7	6.47	0.36	274	hard water odor
1030	12.8	6.49	0.36	286	water clearing
1035	12.9	6.51	0.37	114	
1045	13.1	6.5	0.38	55.1	
1055	13.3	6.54	0.38	37.9	
1100	12.9	6.52	0.38	28.5	
1105	12.8	6.5	0.39	14.4	
1115	12.9	6.51	0.39	14.3	
1120	13.1	6.5	0.4	9.29	water clear
1125	12.9	6.5	0.4	8.43	

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-02 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 825

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 19.1ft Diameter: 2in
Screen Depth: 7.5-17.5ft
Development Method: Whale Pump

GROUNDWATER PURGING

Initial Static Water Level: 10.8ft

One Well Volume:					10 Volumes
2-Inch Casing:	5.3	Feet of Water x 0.16 Gallons/Foot =	0.8	Gallons	8.4gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 10.0 Gallons
Purging Device: Whale Pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
825	4.8	6.25	0.88	OR	Initial Reading
830	8.6	6.19	0.48	OR	
840	9	6.2	0.46	844	
845	9.4	6.2	0.46	OR	
852	-	-	-	-	dry-let well recharge
912	-	-	-	-	
917	10.3	6.15	0.56	OR	turbid
930	-	-	-	-	dry
10/11/2012					
1330	8.2	6.31	0.46	OR	
1340	9	6.28	0.51	OR	
1350	-	-	-	-	well dry

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-03 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 1238

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 27ft Diameter: 2in
Screen Depth: 14.5-24.5ft
Development Method: Whale Pump

GROUNDWATER PURGING

Initial Static Water Level: 15.9ft
One Well Volume: 10 Volumes

2-Inch Casing:	11.1	Feet of Water x 0.16 Gallons/Foot =	1.8	Gallons	18gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 25.0 Gallons
Purging Device: Whale Pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1238	11.1	7.2	0.16	OR	Initial reading-turbid
1246	11.2	6.83	0.13	OR	
1251	10.5	6.71	0.13	587	
1256	10.6	6.75	0.15	184	
1301	10.8	6.63	0.15	61.4	
1306	10.6	6.64	0.16	24.7	
1311	10.5	6.67	0.15	9.68	
1316	10.4	6.65	0.15	4.79	water clear
1321	10.5	6.65	0.15	6.45	
1326	10.5	6.64	0.15	2.98	
1331	10.5	6.65	0.15	1.74	

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-05 **WEATHER:** Cloudy 50F
DATE: 10/8/2012 **TIME:** 1130

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 95.6ft Diameter: 2in
Screen Depth: 86.5-96.5ft
Development Method: Whale Pump

GROUNDWATER PURGING

Initial Static Water Level: 34.6ft
One Well Volume: 10 Volumes

2-Inch Casing:	61.0	Feet of Water x 0.16 Gallons/Foot =	9.8	Gallons	98gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 12.0 Gallons
Purging Device: Whale Pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1130	12.3	9.03	2.04	82.1	
1140	12.5	10.71	1.01	22.4	slight fuel-like odor
1150	13.7	11.43	1.13	17.9	
1200	13.7	11.46	1.25	17.2	
1212	14.7	11.44	1.2	17.5	
1219	-	-	-	-	well dry
10/11/2012					
1540	9.2	6.82	1.83	8.93	
1545	10.1	7.03	1.7	7.26	
1600	-	-	-	-	well dry

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-06 **WEATHER:** Cloudy 50F
DATE: 10/8/2012 **TIME:** 1333

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 66.5ft Diameter: 2in
Screen Depth: 55-65ft
Development Method: Whale Pump

GROUNDWATER PURGING

Initial Static Water Level: 35ft
One Well Volume: 10 Volumes

2-Inch Casing:	31.5	Feet of Water x 0.16 Gallons/Foot =	5.0	Gallons	50gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 15.0 Gallons
Purging Device: Whale Pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1333	13.4	11.2	1.59	947	Initial Reading
1345	13.3	10.57	1.51	OR	brown/turbid
1402	12.1	10.44	1.2	263	
1415	13.0	10.32	1.38	OR	
1420	-	-	-	-	dry-let well recharge
1450	11.8	7.03	2.46	OR	brown/tan-turbid
1452	-	-	-	-	dry-let well recharge
10/11/2012					
1430	9.6	6.55	1.8	346	
1435	9.5	6.36	2.11	146	
1440	9.5	6.36	2.09	146	
1442	-	-	-	-	dry-let well recharge
1520	9.5	6.38	2.11	OR	

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-07 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 1355

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 183ft Diameter: 2in
Screen Depth: 173-183ft
Development Method: Waterra pump

GROUNDWATER PURGING

Initial Static Water Level: 17.9ft

One Well Volume:					10 Volumes
2-Inch Casing:	165.1	Feet of Water x 0.16 Gallons/Foot =	26.5	Gallons	265gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 313.0 Gallons
Purging Device: Waterra pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1355	11.2	7.69	0.25	166	Initial Reading
1403	11.0	8.4	0.42	OR	Tan/brown
1410	10.0	8.61	0.32	OR	Tan/brown
1415	9.8	8.68	0.36	OR	Tan/brown
1421	9.8	8.7	0.43	OR	Tan/brown
1430	9.7	8.52	0.35	OR	Tan/brown
1435	9.6	8.33	0.27	OR	Tan/brown
1445	9.5	8.2	0.25	OR	Tan/brown
1455	9.5	8.2	0.23	OR	Tan/brown
1505	9.6	8.15	0.22	OR	Tan/brown
151	9.4	8.2	0.22	OR	Tan/brown
1520	10	8.16	0.16	OR	Tan/brown
1530	10.1	8.16	0.18	OR	Tan/brown
1545	10.1	8.26	0.18	OR	Tan/brown

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-07 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 1355

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 183ft Diameter: 2in
Screen Depth: 173-183ft
Development Method: Waterra pump

GROUNDWATER PURGING

Initial Static Water Level: 17.9ft
One Well Volume: 10 Volumes

2-Inch Casing:	165.1	Feet of Water x 0.16 Gallons/Foot =	26.5	Gallons	265gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 313.0 Gallons
Purging Device: Waterra pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1600	10.2	8.25	0.19	OR	Tan/brown
1620	10.1	8.29	0.18	OR	Tan/brown
1640	10.1	8.15	0.17	OR	Tan/brown
1720	10.4	8.91	0.19	OR	Tan/brown
1740	9.7	8.9	0.17	OR	Tan/brown
10/10/2012					
715	9.5	8.93	0.21	OR	Resume pumping
732	9.4	8.46	0.16	OR	Tan/brown-turbid
745	9.4	8	0.15	OR	Tan/brown-turbid
800	9.3	8	0.14	OR	Tan/brown-turbid
822	9.6	8.39	0.14	800	Tan/broan/clearer
840	9.4	8.22	0.13	779	Tan/broan/clearer
852	9.4	7.91	0.11	253	Tan/broan/clearer
900	9.3	7.8	0.11	191	Slightly turbid

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-07 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 1355

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 183ft Diameter: 2in
Screen Depth: 173-183ft
Development Method: Waterra pump

GROUNDWATER PURGING

Initial Static Water Level: 17.9ft
One Well Volume: 10 Volumes

2-Inch Casing:	165.1	Feet of Water x 0.16 Gallons/Foot =	26.5	Gallons	265gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 313.0 Gallons
Purging Device: Waterra pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
910	9.3	7.93	0.13	190	
920	9.7	8	0.13	170	
925	9.5	7.92	0.13	152	
930	9.5	7.66	0.11	147	
940	9.5	7.78	0.13	146	
956	9.6	8.35	0.13	102	
1005	9.6	8.28	0.13	92.1	
1010	9.6	8.2	0.14	88	
1017	9.6	8.38	0.14	78	
1026	9.6	8.38	0.13	70	
1031	9.6	8.39	0.14	69.4	
1036	9.6	8.4	0.14	64.4	
1040	9.6	8.4	0.14	65	
1050	9.8	8.41	0.14	80	

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-07 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 1355

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 183ft Diameter: 2in
Screen Depth: 173-183ft
Development Method: Waterra pump

GROUNDWATER PURGING

Initial Static Water Level: 17.9ft
One Well Volume: 10 Volumes

2-Inch Casing:	165.1	Feet of Water x 0.16 Gallons/Foot =	26.5	Gallons	265gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 313.0 Gallons
Purging Device: Waterra pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1055	9.8	8.46	0.14	81	
1100	9.7	8.41	0.14	78.4	
1105	9.7	8.33	0.14	77.9	
1110	9.7	8.33	0.13	72.3	
1115	9.8	8.34	0.14	60.3	
1120	9.7	8.45	0.14	54.7	
1125	9.7	8.43	0.14	50.2	
1130	9.7	8.51	0.14	48.7	
1135	9.7	8.52	0.14	46.4	
1140	9.8	8.54	0.14	45.8	
1145	9.7	8.56	0.14	45.7	
1150	9.7	8.45	0.14	44.8	
1155	9.6	8.45	0.14	44.1	
1200	9.6	8.43	0.14	42.8	

PARSONS
WELL DEVELOPMENT OBSERVATIONS

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-07 **WEATHER:** Cloudy 50F
DATE: 10/9/2012 **TIME:** 1355

DEVELOPER: Sara Wesihaupt of Parsons
of

DESCRIPTION OF WELL

Total Depth: 183ft Diameter: 2in
Screen Depth: 173-183ft
Development Method: Waterra pump

GROUNDWATER PURGING

Initial Static Water Level: 17.9ft
One Well Volume: 10 Volumes

2-Inch Casing:	165.1	Feet of Water x 0.16 Gallons/Foot =	26.5	Gallons	265gal
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 313.0 Gallons
Purging Device: Waterra pump
Purge Water Disposition (e.g., contained): poly tank

FIELD MEASUREMENTS

Time	Temp. (Degrees C)	pH	Conductivity (uS/cm)	Turbidity (NTUs)	Comments
1205	9.6	8.4	0.14	40.2	
1210	9.6	8.45	0.14	40.2	

WELL SAMPLING LOGS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 1120
Weather: 50F cloudy
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: JL-MW-01
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.2
Depth to Well Bottom (Ft.): 21

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	11.8	x 0.16 =	1.8	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 6gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	13.61	Turbidity:	24.1
pH:	5.99	Dissolved O2:	0
Conductivity:	0.291	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 1120
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-01 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 1120

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1025		500	0.50	5.92	1.48	0.287	13.34	OR	Water turbid
1030	10.10	500	1.00	5.92	0.00	0.288	13.47	OR	Water turbid
1035	9.90	500	1.50	5.94	0.00	0.289	13.52	716.0	Water turbid
1040	9.75	500	2.00	5.97	0.00	0.288	13.55	462.0	Water turbid
1045	9.65	500	2.50	5.97	0.00	0.288	13.58	266.0	Water turbid
1050	9.60	500	3.00	5.95	0.00	0.291	13.59	162.0	Water turbid
1055	9.55	500	3.50	5.98	0.00	0.295	13.59	155.0	Water turbid
1100	9.55	500	4.00	5.96	0.00	0.296	13.64	90.6	Water slightly turbid
1105	9.50	500	4.50	5.92	0.00	0.295	13.65	55.0	Water slightly turbid
1110	9.90	500	5.00	5.92	0.00	0.293	13.67	49.5	Water clear
1115	10.10	500	5.50	5.96	0.00	0.291	13.68	28.6	Water clear
1120	10.1	500	6.00	5.99	0.00	0.291	13.61	24.1	Water clear

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 945
Weather: 50F cloudy
Samplers: Marty Hennessey of PARSONS
of PARSONS

SAMPLE ID: JL-MW-02
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.8
Depth to Well Bottom (Ft.): 19.8

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	10	x 0.16 =	1.6	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Petroleum odor
Other: Sheen on water

FIELD TESTS

Temperature:	12.01	Turbidity:	26.2
pH:	6.37	Dissolved O2:	0
Conductivity:	0.381	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 945
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-02 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 945

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1100				6.68	2.23	0.385	11.57	OR	
1105				6.54	0.00	0.374	11.64	OR	
1110				6.39	0.00	0.362	11.83	OR	
1112								931.0	
1115				6.39	0.00	0.361	11.89	681.0	
1120				6.39	0.00	0.364	11.93	342.0	
1125				6.40	0.00	0.372	11.95	234.0	
1130				6.35	0.00	0.377	11.98	149.0	
1135				6.30	0.00	0.378	12.01	106.0	
1140				6.34	0.00	0.382	12.02	75.4	
1145				6.37	0.00	0.383	11.98	73.0	
1150				6.37	0.00	0.383	11.98	58.0	
1155				6.37	0.00	0.384	11.99	56.1	
1200				6.37	0.00	0.383	11.99	55.0	
1205				6.37	0.00	0.382	12.00	31.1	
1213				6.37	0.00	0.381	12.01	26.2	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 1140
Weather: 50F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: JL-MW-03
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC):	16.8				
Depth to Well Bottom (Ft.):	26.7				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	9.9	x 0.16 =	1.5	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	10gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	10.89	Turbidity:	16.7
pH:	6.45	Dissolved O2:	21.13
Conductivity:	0.133	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID: Dup_102412
Analyze QA/QC Samples For: same
Date/Time Refrigerated: 10/24/2012 1140
Chain of Custody No.:
Shipped Via:
Laboratory: Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-03 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 1140

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1045	16.80	500	0.00	7.28	33.69	0.139	10.63	OR	
1050	16.80	500	1.00	6.65	25.42	0.136	10.72	959.0	
1055	17.00	500	2.00	6.38	23.35	0.138	10.83	537.0	
1100	17.00	500	3.00	6.27	23.36	0.141	10.90	454.0	
1105	17.00	500	4.00	6.18	22.25	0.136	10.81	145.0	
1110	17.00	500	5.00	6.19	21.64	0.139	10.87	84.8	
1115	17.00	500	6.00	6.31	21.45	0.136	10.88	54.6	
1120	17.00	500	7.00	6.41	21.08	0.137	10.93	40.4	
1125	17.00	500	8.00	6.47	21.15	0.133	10.89	28.1	
1130	17.00	500	9.00	6.46	21.10	0.134	10.90	21.7	
1135	17.00	500	10.00	6.45	21.13	0.133	10.89	16.7	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/22/2012 1545		
Weather:	55F partly sunny		
Samplers:	Allison Menges	of	PARSONS
		of	PARSONS
SAMPLE ID:	JL-MW-04		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	36.3				
Depth to Well Bottom (Ft.):	97				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	60.7	x 0.16 =	9.7	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	7.5gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	None
Other:	

FIELD TESTS

Temperature:	11.79	Turbidity:	28.5
pH:	6.16	Dissolved O2:	0
Conductivity:	2.92	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/22/2012 1545
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-04 **WEATHER:** 55F partly sunny
DATE: 10/22/2012 **TIME:** 1545

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1440	36.30	500	1.00	7.43	10.94	2.380	12.47	OR	Water very turbid
1445		500	1.50	7.29	7.06	2.260	12.65	OR	Water very turbid
1450		500	2.00	7.09	5.26	2.300	12.60	OR	Water very turbid
1455		500	2.50	6.77	4.23	2.550	12.78	OR	Water very turbid
1500		500	3.00	6.57	3.84	2.660	13.36	559.0	Water cloudy
1505		500	3.50	6.50	6.39	2.710	13.76	331.0	Water cloudy
1510	36.25	500	4.00	6.43	3.5	2.750	14.02	204.0	Water cloudy
1515		500	4.50	6.39	3.0	2.750	13.61	236.0	Water cloudy
1520		500	5.00	6.34	0.0	2.800	12.66	180.0	Water cloudy
1525		500	5.50	6.27	0.0	2.880	12.22	126.0	Water slightly cloudy
1530	37.04	500	6.00	6.21	0.0	2.930	12.26	77.7	Water clear
1535		500	6.50	6.17	0.0	2.920	12.15	38.9	Water clear
1540		500	7.00	6.16	0.0	2.920	11.94	26.1	Water clear
1545		500	7.50	6.16	0.0	2.920	11.79	28.5	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/23/2012 855		
Weather:	55F sunny		
Samplers:	Sara Weishaupt	of	PARSONS
		of	PARSONS
SAMPLE ID:	JL-MW-05		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	34.8				
Depth to Well Bottom (Ft.):	98				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	63.2	x 0.16 =	10.11	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	15gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	None
Other:	

FIELD TESTS

Temperature:	9.64	Turbidity:	3.1
pH:	6.56	Dissolved O2:	1.89
Conductivity:	1.67	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/23/2012 855
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS Well went dry on 10/22/2012. Let well recharge overnight. Sample on 10/23/2012.

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-05 **WEATHER:** 55F sunny
DATE: 10/23/2012 **TIME:** 855

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1205	38.00	500	0.00	7.66	13.14	2.180	10.53	50.6	
1210	49.00	500	1.00	7.20	11.90	2.160	10.64	17.1	
1215	54.00	500	2.50	7.03	11.25	2.160	10.87	7.5	
1220	52.20	500	3.50	6.92	11.19	2.140	11.24	10.3	
1225	66.25	500	4.50	6.93	0.63	2.110	10.99	5.3	
1230	72.00	500	5.50	6.99	1.15	2.070	11.07	6.14	
1235	78.20	500	6.50	7.10	1.33	2.050	11.28	8.91	
1240	80.60	500	7.50	7.38	0.91	2.040	11.55	9.46	
1245	82.60	500	8.50	7.46	1.04	2.030	11.79	9.48	
1250	86.10	500	9.50	7.82	1.57	2.040	11.77	9.12	
1255	87.70	500	10.50	8.27	1.44	2.030	12.39	9.58	
1300	92.50	500	11.50	8.72	1.60	2.020	12.54	9.8	
1305	DRY								
10/23/2012									
830	52.00	500	11.50	7.10	1.57	2.030	12.39	9.23	
835	55.00	500	12.00	7.38	1.63	2.070	12.41	14.30	
840	60.00	500	12.75	8.20	1.59	2.050	12.35	10.10	
845	65.00	500	13.00	8.10	1.60	2.030	12.40	4.90	
850	68.00	500	13.50	8.11	1.57	2.030	12.40	3.10	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/22/2012 1625
Weather: 55F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: JL-MW-06
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC):	35				
Depth to Well Bottom (Ft.):	66.3				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	31.3	x 0.16 =	5	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	6.5gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	11.98	Turbidity:	63.2
pH:	6.98	Dissolved O2:	7.69
Conductivity:	1.34	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/22/2012 1625
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-06 **WEATHER:** 55F cloudy
DATE: 10/22/2012 **TIME:** 1625

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1515	35.00	500	0.50	7.19	13.71	1.920	11.06	249.0	
1520	48.90	500	1.50	7.04	10.92	1.660	11.07	6301.0	
1525	52.00	500	2.00	7.05	10.48	1.640	11.14	82.6	
1530	53.10	500	2.50	7.05	9.80	1.630	11.48	82.0	
1535	54.00	500	3.00	6.97	9.37	1.640	11.88	80.0	
1540	57.60	500	4.00	7.03	8.14	1.430	11.88	77.80	
1545	59.20	500	5.50	7.02	7.92	1.360	11.92	70.30	
1550	60.40	500	6.50	6.98	7.69	1.340	11.98	63.20	
1555	DRY								DRY-let recharge
1625									Sample

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 1225
Weather: 50F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: JL-MW-07
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 45.2
Depth to Well Bottom (Ft.): 183

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	137.8	x 0.16 =	22	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 18gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	10.39	Turbidity:	38.1
pH:	9.27	Dissolved O2:	0
Conductivity:	0.143	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/23/2012 1225
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: JL-MW-07 **WEATHER:** 50F cloudy
DATE: 10/23/2012 **TIME:** 1225

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1050	22.00	500	0.00	9.58	3.68	0.149	10.08	193.0	Water cloudy
1055	31.90	500	1.00	9.58	0.57	0.148	10.31	169.0	Water cloudy
1100	32.00	500	1.50	9.58	0.00	0.148	10.43	151.0	Water cloudy
1105	32.00	500	2.00	9.55	0.00	0.148	10.52	130.0	Water cloudy
1110	35.20	500	2.50	9.68	0.00	0.148	10.39	150.0	Water cloudy
1115	38.40	500	3.00	9.67	0.00	0.148	10.35	144.0	Water cloudy
1120	42.00	500	4.00	9.67	0.00	0.148	10.38	134.0	Water cloudy
1125	40.10	500	5.00	9.66	0.00	0.148	10.41	139.0	Water cloudy
1130	40.70	500	6.00	9.55	0.00	0.148	10.42	140.0	Water cloudy
1135	41.30	500	7.00	9.60	0.00	0.152	10.41	120.0	Water cloudy
1140	41.60	500	8.00	9.58	0.00	0.154	10.41	118.0	Water cloudy
1145	41.80	500	9.00	9.55	0.00	0.160	10.42	105.0	Water cloudy
1150	42.70	500	10.00	9.46	0.00	0.162	10.38	94.8	Water cloudy
1155	43.70	500	11.00	9.37	0.00	0.156	10.39	77.70	Water clear
1200	43.70	500	12.00	9.20	0.00	0.150	10.39	51.70	Water clear
1205	43.7	500	13.00	9.24	0.00	0.146	10.41	41.00	Water clear
1210	44.5	500	15.17	9.28	0.00	0.142	10.37	35.40	Water clear
1215	45	500	18.00	9.27	0.00	0.143	10.38	44.20	Water clear
1220	45.2	500	16.00	9.27	0.00	0.143	10.39	38.10	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/26/2012 1230		
Weather:	60F sunny		
Samplers:	Sara Weishaupt	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-4A		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	8				
Depth to Well Bottom (Ft.):	23.8				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well	16.1	x 0.64 =	10	Gallons
Volume Purged:	14gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	Turbid water

FIELD TESTS

Temperature:	12.08	Turbidity:	760
pH:	6.06	Dissolved O2:	0
Conductivity:	0.779	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/26/2012 1230
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-4A **WEATHER:** 60F sunny
DATE: 10/26/2012 **TIME:** 1230

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1120	7.75	500	0.00	5.93	0.00	0.714	12.62	412.0	Water very turbid
1125	8.10	500	1.00	6.01	0.00	0.732	11.96	380.0	Water very turbid
1130	8.00	500	2.00	6.02	0.00	0.734	11.87	346.0	Water very turbid
1135	8.00	500	3.00	6.04	0.00	0.736	11.93	334.0	Water very turbid
1140	8.00	500	4.00	6.04	0.00	0.738	11.98	320.0	Water very turbid
1145	8.00	500	5.00	6.06	0.00	0.738	12.15	478.0	Water very turbid
1150	8.00	500	6.00	6.04	0.00	0.743	11.99	500.0	Water very turbid
1155	8.00	500	7.00	6.04	0.00	0.763	11.94	OR	Water very turbid
1200	8.00	500	8.00	6.06	0.00	0.767	12.20	OR	Water very turbid
1205	8.00	500	9.00	6.06	0.00	0.770	12.17	711.0	Water very turbid
1210	8.00	500	10.00	6.06	0.00	0.771	12.08	764.0	Water very turbid
1215	8.00	500	11.00	6.06	0.00	0.779	12.08	771.0	Water very turbid
1220	8.00	500	12.50	6.06	0.00	0.780	12.07	768.0	Water very turbid
1225	8.00	500	14.00	6.06	0.00	0.779	12.08	760.0	Water very turbid

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/25/2012 1200
Weather: 55F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: MW-6A
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.5
Depth to Well Bottom (Ft.): 13

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	4.7	x 0.16 =	0.8	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 8gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	13	Turbidity:	3.12
pH:	6.3	Dissolved O2:	0
Conductivity:	0.324	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/25/2012 1200
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-6A
WEATHER: 55F cloudy
DATE: 10/25/2012
TIME: 1200

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1105	8.30	500	0.00	7.13	15.64	0.278	13.17	168.0	
1110	8.50	500	1.00	6.50	7.80	0.273	13.12	115.0	
1115	8.50	500	1.50	6.06	4.82	0.268	13.00	50.0	
1120	8.70	500	2.00	6.01	4.18	0.270	12.99	19.0	
1125	8.50	500	2.50	6.06	2.98	0.285	13.19	13.6	
1130	8.50	500	3.00	6.11	2.25	0.292	13.01	9.82	
1135	9.20	500	4.00	6.21	0.00	0.305	12.95	9.08	
1140	9.50	500	5.00	6.25	0.00	0.310	13.99	7.43	
1145	9.50	500	6.00	6.28	0.00	0.314	12.87	5.22	
1150	9.50	500	7.00	6.31	0.00	0.324	12.92	3.59	
1155	9.50	500	8.00	6.30	0.00	0.324	13.00	3.12	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/24/12 0:00		
Weather:	50F cloudy		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-7		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	6.8				
Depth to Well Bottom (Ft.):	21.5				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	14.7	x 0.16 =	2.3	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	7gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	Sheen on water

FIELD TESTS

Temperature:	13.77	Turbidity:	0
pH:	6.23	Dissolved O2:	0
Conductivity:	0.403	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	0:00
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-7 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:**

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1355				6.35	5.13	0.388	13.64	151.0	Petroleum odor/sheen
1400				6.26	0.00	0.393	13.72	27.3	Petroleum odor/sheen
1405				6.24	0.00	0.396	13.74	10.3	Petroleum odor/sheen
1410				6.25	0.00	0.403	13.83	5.1	Petroleum odor/sheen
1415				6.26	0.00	0.405	13.88	4.2	Petroleum odor/sheen
1420				6.27	0.00	0.408	13.87	0.5	Petroleum odor/sheen
1425				6.28	0.00	0.409	13.82	0.0	Petroleum odor/sheen
1430				6.30	0.00	0.409	13.86	0.0	Petroleum odor/sheen
1435				6.30	0.00	0.408	13.86	0.0	Petroleum odor/sheen
1440				6.28	0.00	0.407	13.83	0.0	Petroleum odor/sheen
1445				6.24	0.00	0.405	13.80	0.0	Petroleum odor/sheen
1450				6.24	0.00	0.403	13.77	0.0	Petroleum odor/sheen

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/23/2012 1500		
Weather:	60F sunny		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-8		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	8				
Depth to Well Bottom (Ft.):	20.8				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	12.8	x 0.16 =	2	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	6gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	sheen on water

FIELD TESTS

Temperature:	14.49	Turbidity:	3.7
pH:	5.27	Dissolved O2:	0
Conductivity:	0.219	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/23/2012 1500
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-8 **WEATHER:** 60F sunny
DATE: 10/23/2012 **TIME:** 1500

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1400				6.15	0.00	0.289	15.05	26.6	Petroleum odor
1405				5.84	0.00	0.214	14.08	14.6	Petroleum odor
1410				5.31	0.00	0.214	14.55	7.7	Petroleum odor
1415				5.30	0.00	0.215	14.47	11.7	Petroleum odor
1420				5.28	0.00	0.218	14.45	9.4	Petroleum odor
1425				5.27	0.00	0.219	14.49	3.7	Petroleum odor

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 1425
Weather: 55F, cloudy
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-9
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.25
Depth to Well Bottom (Ft.): 22.2

CALCULATIONS:					
2-inch Casing:	Ft. of Water in Well		X (GAL / FT) =		Gallons
3-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons
24inch Casing:	Ft. of Water in Well	12.95	x 0.32 =	8.2	Gallons
			x 0.64 =		

Volume Purged: 8gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Slight pretroluem odor
Other: Slight sheen on water

FIELD TESTS

Temperature:	14.28	Turbidity:	23.2
pH:	6.3	Dissolved O2:	0
Conductivity:	0.314	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 1425
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-9 **WEATHER:** 55F cloudy
DATE: 10/24/2012 **TIME:** 1425

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1355	9.25	500	1.00	6.43	36.06	0.307	13.77	80.6	Water gray-black color
1400	9.35	500	1.50	6.33	17.67	0.307	14.00	54.7	Water gray-black color
1405	9.50	500	2.00	6.21	0.00	0.307	14.21	32.6	Water clear
1410	9.60	500	2.50	6.23	0.00	0.308	14.19	33.5	Water clear
1415	9.60	500	3.00	6.29	0.00	0.311	14.08	32.8	Water clear
1420	9.75	500	3.50	6.31	0.00	0.313	14.15	27.1	Water clear
1425	9.80	500	4.00	6.30	0.00	0.314	14.28	23.2	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 950
Weather: 50F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: MW-10
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 13
Depth to Well Bottom (Ft.): 19.5

CALCULATIONS:					
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well	6.85	x 0.64 =	4.4	Gallons

Volume Purged: 8gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Petroleum odor
Other: spotty sheen on water

FIELD TESTS

Temperature:	11.19	Turbidity:	10.6
pH:	5.48	Dissolved O2:	0
Conductivity:	0.148	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 950
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-10 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 950

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
900	12.65	500	0.00	4.40	0.00	0.176	10.42	78.5	Sheen on water
905	13.00	500	1.00	4.49	0.00	0.171	10.72	61.5	Sheen on water
910	13.00	500	2.00	4.80	0.00	0.157	10.97	45.2	Sheen on water
915	13.00	500	2.50	5.24	0.00	0.154	10.84	41.9	Sheen on water
920	13.00	500	3.00	4.93	0.00	0.150	11.06	30.3	Sheen on water
925	13.00	500	4.00	4.89	0.00	0.149	11.10	27.9	Sheen on water
930	13.00	500	5.00	5.31	0.00	0.148	11.14	20.6	Sheen on water
935	13.00	500	6.00	5.48	0.00	0.149	11.18	15.3	Sheen on water
940	13.00	500	7.00	5.47	0.00	0.149	11.18	14.7	Sheen on water
945	13.00	500	8.00	5.48	0.00	0.148	11.19	10.6	Sheen on water

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 1440
Weather: 50F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: MW-11
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 6.3
Depth to Well Bottom (Ft.): 21.3

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	15	x 0.16 =	2.4	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 7gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Slight petroleum odor
Other:

FIELD TESTS

Temperature:	14.43	Turbidity:	5.73
pH:	6.3	Dissolved O2:	0
Conductivity:	0.279	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 1440
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-11 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 1440

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1400	6.30	500	0.50	5.79	0.00	0.238	14.02	OR	Water black
1405	6.20	500	1.00	6.06	0.00	0.238	14.09	203.0	Water black
1410	6.20	500	1.50	5.90	0.00	0.240	14.32	192.0	Water black
1415	6.30	500	2.00	6.08	0.00	0.266	14.29	94.9	Water black
1420	6.30	500	3.00	5.95	0.00	0.275	14.43	19.1	Water clear
1425	6.30	500	4.00	5.93	0.00	0.276	14.45	11.9	Water clear
1430	6.30	500	5.00	6.30	0.00	0.278	14.43	7.9	Water clear
1435	6.30	500	6.00	6.30	0.00	0.279	14.43	8.5	Water clear
1440	6.30	500	7.00	6.30	0.00	0.279	14.43	5.7	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/24/2012 1645		
Weather:	50F cloudy		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-12A		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	8.8				
Depth to Well Bottom (Ft.):	17.3				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	8.5	x 0.16 =	1.3	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	4gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	Sheen on water

FIELD TESTS

Temperature:	15.14	Turbidity:	8
pH:	5.93	Dissolved O2:	0
Conductivity:	0.328	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/24/2012 1645
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-12A **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 1645

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1605				6.96	9.23	0.318	15.02	49.6	
1610				6.41	3.27	0.314	15.05	29.1	
1615				5.87	0.00	0.311	15.08	13.6	
1620				5.89	0.00	0.317	15.07	10.2	
1625				5.89	0.00	0.322	15.09	9.2	
1630				5.90	0.00	0.326	15.14	10.4	
1635				5.91	0.00	0.327	15.14	9.0	
1640				5.91	0.00	0.327	15.14	8.5	
1645				5.93	0.00	0.328	15.14	8.0	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 1305
Weather: 55F, partly sunny
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-16
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 25.77
Depth to Well Bottom (Ft.): 37.8

CALCULATIONS:					
2-inch Casing:	Ft. of Water in Well	12.03	x 0.16 =	1.9	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	11.79	Turbidity:	6.3
pH:	6.22	Dissolved O2:	0
Conductivity:	0.345	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID Dup_102312
Analyze QA/QC Samples For: same
Date/Time Refrigerated: 10/23/2012 1305
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-16 **WEATHER:** 55F partly sunny
DATE: 10/23/2012 **TIME:** 1305

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1230		500	0.50	6.56	0.49	0.373	11.21	56.1	Water clear
1235		500	1.00	6.46	0.04	0.369	11.48	56.1	Water clear
1240	25.80	500	1.50	6.31	0.00	0.363	11.85	28.7	Water clear
1245		500	2.00	6.19	0.71	0.352	11.90	19.9	Water clear
1250	25.81	500	2.50	6.16	6.26	0.346	11.73	13.5	Water clear
1255		500	3.00	6.22	4.76	0.344	11.63	10.1	Water clear
1300		500	3.50	6.19	0.72	0.346	11.67	8.8	Water clear
1305	25.80	500	4.00	6.22	0.00	0.345	11.79	6.3	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/23/2012 0920		
Weather:	60F sunny		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-18		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	35.9				
Depth to Well Bottom (Ft.):	47.9				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	12	x 0.16 =	1.9	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	5.7gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	Sheen on water

FIELD TESTS

Temperature:	10.52	Turbidity:	0
pH:	5.96	Dissolved O2:	0
Conductivity:	0.483	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/23/2012 0920
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-18 **WEATHER:** 60F sunny
DATE: 10/23/2012 **TIME:** 920

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
855				5.90	0.00	0.539	9.62	31.6	Petroleum odor
900				5.95	0.00	0.496	10.06	5.9	Sheen on water
905				5.95	0.00	0.491	10.15	3.3	Water clear
910				5.95	0.00	0.484	10.23	0.0	Water clear
915				5.96	0.00	0.482	10.32	0.0	Water clear
920				5.96	0.00	0.483	10.52	0.0	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/25/2012 1015		
Weather:	50F cloudy		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-19		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	34.5				
Depth to Well Bottom (Ft.):	46.75				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	12.25	x 0.16 =	1.9	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	6gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	
Other:	

FIELD TESTS

Temperature:	12.02	Turbidity:	0
pH:	5.97	Dissolved O2:	9.11
Conductivity:	0.106	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/25/2012 1015
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-19 **WEATHER:** 50F cloudy
DATE: 10/25/2012 **TIME:** 1015

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
920				5.57	19.59	0.092	10.75	129.0	
925				5.58	15.27	0.092	10.80	101.0	
930				5.65	10.83	0.098	10.93	25.4	
935				5.77	9.80	0.108	11.10	14.6	
940				5.82	9.63	0.108	11.23	7.3	
945				5.88	9.48	0.108	11.30	6.4	
950				5.92	9.38	0.110	11.43	3.9	
955				5.95	9.31	0.110	11.53	3.3	
1000				5.65	9.25	0.108	11.65	0.0	
1005				5.97	9.11	0.106	12.02	0.0	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/22/2012 1200
Weather: 50F cloudy
Samplers: Marty Hennessey of PARSONS
of PARSONS

SAMPLE ID: MW-20
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC):	36.4				
Depth to Well Bottom (Ft.):	47.97				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	11.57	x 0.16 =	1.85	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	5.5gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	12.36	Turbidity:	0
pH:	5.52	Dissolved O2:	0
Conductivity:	0.273	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/22/2012 1200
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-20 **WEATHER:** 50F cloudy
DATE: 10/22/2012 **TIME:** 1200

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1130		500		5.56	6.77	0.275	11.31	34.9	Water clear
1135		500		5.51	2.54	0.277	11.41	23.3	Water clear
1140		500		5.84	0.00	0.281	11.81	0.8	Water clear
1145		500		5.50	0.00	0.276	12.33	0.0	Water clear
1150		500		5.52	0.00	0.273	12.36	0.0	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/25/2012 1110
Weather: 60F partly sunny
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-21
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 20.82
Depth to Well Bottom (Ft.): 37.5

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	16.68	x 0.16 =	2.6	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5.5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	12.4	Turbidity:	2.7
pH:	6.68	Dissolved O2:	10.86
Conductivity:	0.152	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/25/2012 1110
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-21 **WEATHER:** 55F partly sunny
DATE: 10/25/2012 **TIME:** 1110

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1040	20.85	500	0.50	6.80	11.67	0.150	12.09	284.0	Water orange
1045	20.85	500	1.00	6.76	11.31	0.151	12.22	100.0	Water slightly orange
1050	20.85	500	1.50	6.71	10.99	0.155	12.44	25.7	Water clear
1055	20.85	500	2.00	6.70	10.99	0.158	12.49	10.7	Water clear
1100	20.85	500	2.50	6.70	10.94	0.156	12.47	5.7	Water clear
1105	20.85	500	3.00	6.69	10.92	0.153	12.42	3.6	Water clear
1110	20.85	500	3.50	6.68	10.86	0.152	12.40	2.7	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 945
Weather: 50F cloudy
Samplers: Marty Hennessey of PARSONS
of PARSONS

SAMPLE ID: MW-22
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 8
Depth to Well Bottom (Ft.): 18.5

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	10.5	x 0.16 =	1.6	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Petroleum odor
Other: Sheen on water

FIELD TESTS

Temperature:	14.15	Turbidity:	0
pH:	5.74	Dissolved O2:	0
Conductivity:	0.245	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 945
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-22 **WEATHER:** 50F cloudy
DATE: 10/24/2012 **TIME:** 945

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
850				5.56	0.00	0.227	13.54	201.0	Sheen on water
852				5.46	0.00	0.203	13.57	111.0	Sheen on water
859				5.43	0.00	0.203	13.64	59.1	Sheen on water
907				5.43	0.00	0.210	13.68	24.1	Sheen on water
912				5.46	0.00	0.213	13.66	12.8	Sheen on water
919				5.52	0.00	0.220	13.86	6.1	Sheen on water
924				5.52	0.00	0.231	14.12	1.1	Sheen on water
930				5.59	0.00	0.234	14.15	0.0	Sheen on water
936				5.66	0.00	0.238	14.14	0.0	Sheen on water
941				5.70	0.00	0.242	14.14	0.0	Sheen on water
946				5.74	0.00	0.245	14.15	0.0	Sheen on water

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 0940
Weather: 45F cloudy
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-24
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 12.55
Depth to Well Bottom (Ft.): 22.2

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	9.65	x 0.16 =	1.5	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other: water has slight yellow color

FIELD TESTS

Temperature:	12.65	Turbidity:	6.4
pH:	4.74	Dissolved O2:	0
Conductivity:	0.15	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 0940
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-24 **WEATHER:** 55F partly sunny
DATE: 10/24/2012 **TIME:** 940

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
855		500	0.50	4.57	19.02	0.224	11.60	OR	Water very turbid
900	12.60	500	1.00	4.58	5.11	0.222	11.93	OR	Water very turbid
905	12.65	500	1.50	4.59	2.74	0.218	12.07	723.0	Water very turbid
910	12.65	500	2.00	4.60	0.00	0.202	12.37	95.2	Water slightly cloudy
915	12.60	500	2.50	4.61	0.00	0.179	12.47	44.2	Water clear
920	12.65	500	3.00	4.64	0.00	0.164	12.38	27.5	Water clear
925	12.65	500	3.50	4.68	0.00	0.158	12.45	50.2	Water clear
930	12.65	500	4.00	4.71	0.00	0.152	12.62	17.0	Water clear
935	12.65	500	4.50	4.74	0.00	0.149	12.61	10.9	Water clear
940	12.65	500	5.00	4.74	0.00	0.150	12.65	6.4	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	11/05/2012 1210		
Weather:	30F, light snow		
Samplers:	Allison Menges	of	PARSONS
	Sara Weishaupt	of	PARSONS
SAMPLE ID:	MW-25		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	13.45				
Depth to Well Bottom (Ft.):	24.5				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well	11.05	x 0.64 =	7	Gallons
Volume Purged:	7gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	water is gray/black, sheen on water

FIELD TESTS

Temperature:	11.42	Turbidity:	110
pH:	6.2	Dissolved O2:	0.9
Conductivity:	0.346	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	11/05/2012 1210
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-25 **WEATHER:** 30F light snow
DATE: 11/5/2012 **TIME:** 1210

DEVELOPER: Allison Menges of PARSONS
Sara Weishaupt of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1120	14.30	500	0.50	7.39	15.05	0.375	14.26	OR	Water black
1125	15.10	500	1.50	7.06	12.88	0.378	10.30	OR	Water black
1130		500		6.76	10.22	0.379	10.49	OR	Water black
1135	17.10	500	2.00	6.54	7.09	0.359	11.23	239.0	Water black
1140		500	2.50	6.47	5.87	0.358	11.05	245.0	Water black
1145	18.70	500	3.00	6.40	4.53	0.359	11.25	186.0	Water black
1150		500	3.50	6.36	3.52	0.356	11.37	167.0	Water black
1155	20.50	500	4.50	6.32	2.60	0.354	11.45	1374.0	Water black
1200		500	5.50	6.26	1.38	0.351	11.39	110.0	Water light gray
1205	21.30	500	6.50	6.22	1.21	0.349	11.41	115.0	Water light gray
1210		500	7.50	6.20	0.9	0.346	11.42	110.0	Water light gray

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/26/2012 930		
Weather:	50F cloudy		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-26		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	10.5				
Depth to Well Bottom (Ft.):	24.5				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well	14	x 0.64 =	8.9	Gallons
Volume Purged:	9gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	Petroleum odor
Other:	Sheen on water

FIELD TESTS

Temperature:	14.42	Turbidity:	25
pH:	6.51	Dissolved O2:	0
Conductivity:	0.336	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/26/2012 930
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-26 **WEATHER:** 50F cloudy
DATE: 10/26/2012 **TIME:** 930

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
825	10.50			5.79	4.89	0.392	12.80	96.4	Petroleum odor/sheen
830				6.20	0.10	0.367	13.44	57.2	Petroleum odor/sheen
837				6.46	0.00	0.342	14.14	29.0	Petroleum odor/sheen
842				6.50	0.00	0.338	14.25	26.0	Petroleum odor/sheen
847				6.52	0.00	0.337	14.23	22.2	Petroleum odor/sheen
852				6.54	0.00	0.337	14.18	20.5	Petroleum odor/sheen
857				6.54	0.00	0.336	14.18	29.0	Petroleum odor/sheen
903				6.55	0.00	0.336	14.06	29.0	Petroleum odor/sheen
906				6.52	0.00	0.336	14.03	20.0	Petroleum odor/sheen
919				6.50	0.00	0.336	14.41	27.0	Petroleum odor/sheen
925				6.51	0.00	0.336	14.42	25.0	Petroleum odor/sheen

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	11/05/2012 1055		
Weather:	30F, light snow		
Samplers:	Allison Menges	of	PARSONS
	Sara Weishaupt	of	PARSONS
SAMPLE ID:	MW-27		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	10.5				
Depth to Well Bottom (Ft.):	24.85				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well	14.35	x 0.64 =	9.2	Gallons
Volume Purged:	7gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	None
Other:	

FIELD TESTS

Temperature:	11.08	Turbidity:	11.2
pH:	6.53	Dissolved O2:	1.37
Conductivity:	0.295	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	11/05/2012 1055
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-27 **WEATHER:** 30F light snow
DATE: 11/5/2012 **TIME:** 1055

DEVELOPER: Allison Menges of PARSONS
Sara Weishaupt of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1015	11.00	500	1.00	6.78	5.69	0.300	10.84	51.7	Water clear
1020	10.90	500	1.50	6.74	5.23	0.299	10.85	52.4	Water clear
1025	10.90	500	2.00	6.67	3.34	0.297	10.88	44.4	Water clear
1030	10.90	500	3.00	6.62	2.50	0.296	10.80	35.0	Water clear
1035	10.90	500	3.50	6.58	2.59	0.296	10.82	25.2	Water clear
1040	11.25	500	4.00	6.56	2.25	0.297	10.99	16.2	Water clear
1045	11.30	500	4.50	6.54	1.52	0.296	11.08	11.2	Water clear
1050	11.30	500	5.00	6.53	1.37	0.295	11.08	11.2	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 1215
Weather: 60F sunny
Samplers: Marty Hennessey of PARSONS
of PARSONS

SAMPLE ID: MW-28
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9
Depth to Well Bottom (Ft.): 17.55

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	8.55	x 0.16 =	1.36	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 4.1gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor:
Other:

FIELD TESTS

Temperature:	14.97	Turbidity:	46
pH:	6.09	Dissolved O2:	0
Conductivity:	0.367	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/23/2012 1215
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-28 **WEATHER:** 60F sunny
DATE: 10/23/2012 **TIME:** 1200

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1135		500		6.02	0.00	0.385	14.61	576.0	
1140		500		6.05	0.00	0.328	14.67	420.0	
1145		500		6.09	0.00	0.375	14.78	190.0	
1150		500		6.09	0.00	0.369	14.82	87.9	
1155		500		6.10	0.00	0.367	14.83	56.1	
1200		500		6.08	0.00	0.367	15.03	55.5	
1205		500		6.09	0.00	0.367	14.97	46.0	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/22/2012 1330
Weather: 55F partly sunny
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-30
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 36.89
Depth to Well Bottom (Ft.): 43.7

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	6.81	x 0.16 =	1.08	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 6gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	13.48	Turbidity:	1.3
pH:	6.48	Dissolved O2:	0
Conductivity:	0.295	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/22/2012 1330
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-30 **WEATHER:** 55F partly sunny
DATE: 10/22/2012 **TIME:** 1330

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1240		500	0.50	6.50	5.49	0.343	13.75	38.3	Water clear
1245		500	1.00	6.47	4.20	0.330	13.37	14.9	Water clear
1250		500	1.50	6.47	2.44	0.336	12.80	10.9	Water clear
1255		500	2.00	6.48	1.84	0.340	13.10	6.2	Water clear
1300		500	3.00	6.46	1.07	0.350	13.11	2.9	Water clear
1305		500	3.50	6.48	0.41	0.313	13.01	1.7	Water clear
1310		500	4.00	6.46	0.0	0.310	13.27	3.3	Water clear
1315		500	4.50	6.49	0.0	0.303	13.63	3.5	Water clear
1320		500	5.00	6.35	0.0	0.298	13.54	2.3	Water clear
1325		500	5.50	6.42	0.0	0.298	13.55	1.8	Water clear
1330		500	6.00	6.48	0.0	0.295	13.48	1.3	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/22/2012 1530		
Weather:	50F cloudy		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-31		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	37				
Depth to Well Bottom (Ft.):	45.05				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	8.05	x 0.16 =	1.288	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	3.8				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	
Other:	

FIELD TESTS

Temperature:	11.41	Turbidity:	0
pH:	5.61	Dissolved O2:	7.23
Conductivity:	0.152	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/22/2012 1530
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-31 **WEATHER:** 50F cloudy
DATE: 10/22/2012 **TIME:** 1530

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1510				5.82	15.94	0.123	11.69	204.0	
1515				5.69	12.28	0.129	11.58	198.0	
1550				5.55	9.28	0.133	11.40	54.0	
1525				5.56	8.21	0.146	11.24	8.7	
1530				5.61	7.23	0.152	11.41	0.0	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/22/2012 1600		
Weather:	50F cloudy		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-32		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	37.4				
Depth to Well Bottom (Ft.):	45.2				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	7.8	x 0.16 =	1.2	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	3.7				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	
Other:	

FIELD TESTS

Temperature:	10.48	Turbidity:	10.7
pH:	5.89	Dissolved O2:	7.34
Conductivity:	0.298	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/22/2012 1600
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-32 **WEATHER:** 50F cloudy
DATE: 10/22/2012 **TIME:** 1600

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1610	37.40	500		5.77	10.95	0.328	10.67	152.0	
1615		500		5.86	8.70	0.321	10.47	62.6	
1650		500		5.84	8.24	0.314	10.41	35.1	
1625		500		5.79	8.09	0.310	10.48	31.7	
1630		500		5.89	7.48	0.296	10.53	18.8	
1635		500		5.89	7.34	0.298	10.48	10.7	

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 1700
Weather: 50F sunny
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: MW-33
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.3
Depth to Well Bottom (Ft.): 16.6

CALCULATIONS:			X (GAL / FT) =	
2-inch Casing:	Ft. of Water in Well	7.8	x 0.16 =	1.3 Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =	Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =	Gallons

Volume Purged: 6gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Slight petroleum odor
Other:

FIELD TESTS

Temperature:	14.99	Turbidity:	8.06
pH:	5.84	Dissolved O2:	0
Conductivity:	0.336	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 1700
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-33 **WEATHER:** 50F sunny
DATE: 10/24/2012 **TIME:** 1700

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1550	8.80	500	0.00	5.94	0.00	0.278	14.86	OR	Water tan
1555	9.20	500	0.25	5.46	0.00	0.254	15.06	423.0	Water tan
1600	9.30	500	0.50	5.31	0.00	0.234	15.07	317.0	Water tan
1605	9.30	500	1.75	5.24	0.00	0.222	15.10	155.0	Water tan
1610	9.30	500	2.00	5.30	0.00	0.225	15.12	101.0	Water tan
1615	9.40	500	2.25	5.43	0.00	0.239	15.05	56.9	Water light tan
1620	9.40	500	2.75	5.54	0.00	0.245	15.03	37.1	Water light tan
1625	9.40	500	3.00	5.67	0.00	0.270	15.03	18.4	Water clear
1630	9.70	500	3.25	5.73	0.00	0.283	15.05	14.0	Water clear
1635	9.70	500	3.50	5.79	0.00	0.301	15.05	10.1	Water clear
1640	9.70	500	3.75	5.81	0.00	0.322	15.06	14.2	Water clear
1645	9.70	500	4.00	5.83	0.00	0.328	15.05	13.5	Water clear
1650	9.70	500	4.25	5.84	0.00	0.335	15.05	12.3	Water clear
1655	9.70	500	4.50	5.83	0.00	0.338	15.04	12.2	Water clear
1700	9.70	500	5.00	5.84	0.00	0.336	14.99	8.06	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME:	J&L Steel		
PROJECT NUMBER:	447415		
Sampling Date/Time:	10/23/2012 1055		
Weather:	60F sunny		
Samplers:	Marty Hennessey	of	PARSONS
		of	PARSONS
SAMPLE ID:	MW-34		
Sampling Method:	Low Flow		

WELL PURGING

Static Water Level (TOC):	17.5				
Depth to Well Bottom (Ft.):	27.9				
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	10.4	x 0.16 =	1.6	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons
Volume Purged:	5gal				
Method:	Monsoon Pump				

SAMPLE DESCRIPTION

Odor:	
Other:	

FIELD TESTS

Temperature:	12.39	Turbidity:	0
pH:	5.82	Dissolved O2:	0
Conductivity:	0.237	Other:	.

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For:	VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID	
Analyze QA/QC Samples For:	
Date/Time Refrigerated:	10/23/2012 1055
Chain of Custody No.:	
Shipped Via:	
Laboratory	Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-34 **WEATHER:** 60F sunny
DATE: 10/23/2012 **TIME:** 1055

DEVELOPER: Marty Hennessey of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1030				5.82		0.239	11.50	152.0	
1035				5.75		0.233	12.06	66.2	
1040				5.71		0.238	12.31	11.3	
1045				5.71		0.237	12.35	6.3	
1050				5.72		0.237	12.39	0.0	
1055									

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/25/2012 930
Weather: 55F cloudy
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: MW-35
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 8.1
Depth to Well Bottom (Ft.): 16.75

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	8.85	x 0.16 =	1.4	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 4.5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Petroleum odor
Other:

FIELD TESTS

Temperature:	13.53	Turbidity:	10.5
pH:	6.06	Dissolved O2:	0
Conductivity:	0.623	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/25/2012 930
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-35 **WEATHER:** 50F cloudy
DATE: 10/25/2012 **TIME:** 930

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
855	7.90	500	0.00	5.62	6.22	0.665	12.80	157.0	Water black
900	8.10	500	1.00	5.93	3.56	0.655	13.22	47.1	Petroleum odor
905	8.10	500	2.00	6.00	1.72	0.642	13.37	24.3	Petroleum odor
910	8.10	500	2.50	6.02	0.71	0.634	13.42	16.3	Petroleum odor
915	8.10	500	3.00	6.02	0.00	0.633	13.47	13.8	Petroleum odor
920	8.10	500	3.50	6.06	0.00	0.629	13.53	11.8	Petroleum odor
925	8.10	500	4.00	6.07	0.00	0.622	13.54	11.8	Petroleum odor
930	8.10	500	4.50	6.06	0.00	0.623	13.53	10.5	Petroleum odor

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/24/2012 1625
Weather: 55F partly sunny
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-36
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 11.9
Depth to Well Bottom (Ft.): 16.9

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	13.75	x 0.16 =	2.2	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5.5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other: Water orange color

FIELD TESTS

Temperature:	14.59	Turbidity:	19.1
pH:	6.26	Dissolved O2:	5.86
Conductivity:	0.158	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/24/2012 1625
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-36 **WEATHER:** 55F partly sunny
DATE: 10/24/2012 **TIME:** 1625

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1535	11.90	500	0.50	6.13	40.24	0.081	14.06	960.0	Water orange
1540	13.70	500	1.00	5.98	33.57	0.084	14.14	615.0	Water orange
1545	14.00	500	1.50	5.86	26.38	0.093	14.27	148.0	Water orange
1550	14.00	500	2.00	5.85	21.45	0.102	14.26	60.0	Water slightly orange
1555	14.20	500	2.50	5.94	18.07	0.113	14.31	38.4	Water clear
1600	14.00	500	3.00	6.06	14.53	0.128	14.34	90.0	Water clear
1605	13.80	500	3.50	6.10	12.08	0.136	14.29	42.6	Water clear
1610	13.60	500	4.00	6.12	9.72	0.143	14.26	29.5	Water clear
1615	13.60	500	4.50	6.21	7.89	0.152	14.36	29.4	Water clear
1620	13.60	500	5.00	6.26	6.96	0.156	14.46	40.5	Water clear
1625	13.70	500	5.50	6.26	5.86	0.158	14.59	19.1	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 1115
Weather: 55F, partly sunny
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-37
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 24.2
Depth to Well Bottom (Ft.): 30.85

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	6.65	x 0.16 =	1.1	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 9gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Stong petroluem odor
Other: Small globules of LNAPL in water

FIELD TESTS

Temperature:	12.2	Turbidity:	16.3
pH:	6.93	Dissolved O2:	0
Conductivity:	0.386	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/23/2012 1115
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-37
WEATHER: 55F partly sunny
DATE: 10/23/2012
TIME: 1115

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1045		500	0.50	6.55	0.00	0.399	11.16	121.0	Water slightly cloudy
1050		500	1.00	6.62	0.00	0.402	11.18	53.9	Water clear
1055		500	1.50	6.74	0.00	0.405	11.25	20.7	Water clear
1100		500	2.00	6.81	0.00	0.405	11.39	152.0	Water clear
1105		500	2.50	6.84	0.00	0.403	11.61	19.4	Water clear
1110		500	3.00	6.87	0.00	0.393	11.99	28.4	Water clear
1115		500	3.50	6.93	0.00	0.386	12.20	16.3	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/22/2012 1115
Weather: 45F, cloudy
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-101
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 38.87
Depth to Well Bottom (Ft.): 48

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	9.13	x 0.16 =	1.46	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 6.5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	10.72	Turbidity:	31.8
pH:	5.76	Dissolved O2:	0
Conductivity:	0.241	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/22/2012 1115
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-101 **WEATHER:** 45F. Cloudy
DATE: 10/22/2012 **TIME:** 0:00

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1030		500	2.00	6.09	9.85	0.273	10.62	OR	Water very turbid
1035		500	2.50	6.00	2.54	0.263	10.64	OR	Water very turbid
1040		500	3.00	5.80	1.95	0.262	10.60	339.0	Water cloudy
1045		500	3.50	5.82	0.74	0.261	10.69	144.0	Water cloudy
1050		500	4.00	5.95	0.00	0.258	10.78	72.4	Water clear
1100		500	5.00	5.77	0.0	0.254	10.95	45.9	Water clear
1105		500	5.50	5.85	0.0	0.253	11.13	26.9	Water clear
1110		500	6.00	5.79	0.0	0.246	10.95	21.6	Water clear
1115		500	6.50	5.76	0.0	0.241	10.72	31.8	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 0930
Weather: 40F, cloudy
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-102
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 38.1
Depth to Well Bottom (Ft.): 43.5

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	5.3	x 0.16 =	0.8	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 8gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	9.97	Turbidity:	10.8
pH:	7.11	Dissolved O2:	11.08
Conductivity:	0.107	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/23/2012 0930
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-102 **WEATHER:** 55F partly sunny
DATE: 10/23/2012 **TIME:** 930

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
850	38.10	500	0.00	6.69	14.51	0.107	8.80	OR	Water turbid
855		500	1.00	6.86	12.55	0.104	9.83	OR	Water turbid
900		500	1.50	6.89	12.68	0.103	9.97	450.0	Water turbid
905		500	2.00	6.93	11.75	0.108	9.93	86.3	Water slightly cloudy
910	39.90	500	2.50	6.96	11.40	0.109	10.15	74.0	Water clear
915		500	3.00	7.00	11.21	0.107	10.22	49.5	Water clear
920		500	3.50	4.04	11.08	0.105	10.01	69.5	Water clear
925		500	4.00	7.07	11.08	0.106	9.93	81.6	Water clear
930		500	4.50	7.11	11.08	0.107	9.97	10.8	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 1605
Weather: 50F partly sunny
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-103
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.85
Depth to Well Bottom (Ft.): 23.6

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	13.75	x 0.16 =	2.2	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 6gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	15.41	Turbidity:	49.4
pH:	5.38	Dissolved O2:	0
Conductivity:	0.078	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/23/2012 1605
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-103 **WEATHER:** 55F cloudy
DATE: 10/23/2012 **TIME:** 1605

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp ◦C	Turb. NTU	Comments
1520		500	0.50	6.03	36.32	0.072	15.39	OR	Water very turbid
1525	8.80	500	1.00	5.95	20.70	0.079	15.32	OR	Water very turbid
1530		500	1.50	5.78	13.57	0.079	15.32	433.0	Water very turbid
1535	8.80	500	2.00	5.68	11.85	0.079	15.51	347.0	Water very turbid
1540		500	2.50	5.71	10.70	0.079	15.52	238.0	Water very turbid
1545	8.80	500	3.00	5.71	8.99	0.078	15.26	128.0	Water slightly turbid
1550		500	3.50	5.46	3.02	0.078	15.15	173.0	Water slightly turbid
1555	8.90	500	4.00	5.38	0.0	0.078	15.22	82.4	Water slightly turbid
1600		500	4.50	5.40	0.0	0.078	15.27	61.0	Water clear
1605	8.90	500	5.00	5.46	0.0	0.078	15.33	58.5	Water clear
1610		500	5.50	5.38	0.0	0.078	15.41	49.4	Water clear

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/23/2012 1625
Weather: 55F sunny
Samplers: Sara Weishaupt of PARSONS
of PARSONS

SAMPLE ID: MW-104
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 9.5
Depth to Well Bottom (Ft.): 21.7

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	13.1	x 0.16 =	2	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 8gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: Petroleum odor
Other:

FIELD TESTS

Temperature:	13.95	Turbidity:	11.8
pH:	6.36	Dissolved O2:	0
Conductivity:	0.257	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/23/2012 1625
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

WELL NUMBER: MW-104 **WEATHER:** 55F sunny
DATE: 10/23/2012 **TIME:** 1625

DEVELOPER: Sara Weishaupt of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
1530	8.60	500	0.00	6.78	0.84	0.257	14.97	OR	Water rusty color
1535	9.35	500	1.00	6.41	0.00	0.257	14.83	510.0	Water rusty color
1540	9.30	500	2.00	6.39	0.00	0.257	14.65	133.0	Petroleum odor
1545	9.40	500	2.50	6.41	0.00	0.258	14.46	88.6	Petroleum odor
1550	9.30	500	3.00	6.34	0.00	0.258	14.41	68.8	Petroleum odor
1555	9.30	500	3.50	6.39	0.00	0.290	14.37	57.40	Petroleum odor
1600	9.30	500	4.00	6.69	0.00	0.259	14.39	56.60	Petroleum odor
1605	9.40	500	4.50	6.67	0.00	0.259	14.14	50.60	Petroleum odor
1610	9.50	500	5.50	6.48	0.00	0.258	14.08	21.10	Petroleum odor
1615	9.50	500	6.50	6.48	0.00	0.257	13.96	14.60	Petroleum odor
1620	9.50	500	7.00	6.39	0.00	0.257	13.95	14.00	Petroleum odor
1625	9.50	500	8.00	6.36	0.00	0.257	13.95	11.8	Petroleum odor

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415
Sampling Date/Time: 10/25/2012 0920
Weather: 50F cloudy
Samplers: Allison Menges of PARSONS
of PARSONS

SAMPLE ID: MW-105
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): 35.95
Depth to Well Bottom (Ft.): 42.4

CALCULATIONS:					
	Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well	6.45	x 0.16 =	1	Gallons
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons
24inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons

Volume Purged: 5.5gal
Method: Monsoon Pump

SAMPLE DESCRIPTION

Odor: None
Other:

FIELD TESTS

Temperature:	11	Turbidity:	7.5
pH:	5.03	Dissolved O2:	0
Conductivity:	2.14	Other:	

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

Analyze For: VOCs, SVOCs, TAL Metals, PCBs, and Pesticides
QA/QC Sample ID
Analyze QA/QC Samples For:
Date/Time Refrigerated: 10/25/2012 0920
Chain of Custody No.:
Shipped Via:
Laboratory Spectrum

COMMENTS / MISCELLANEOUS

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: J&L Steel
PROJECT NUMBER: 447415

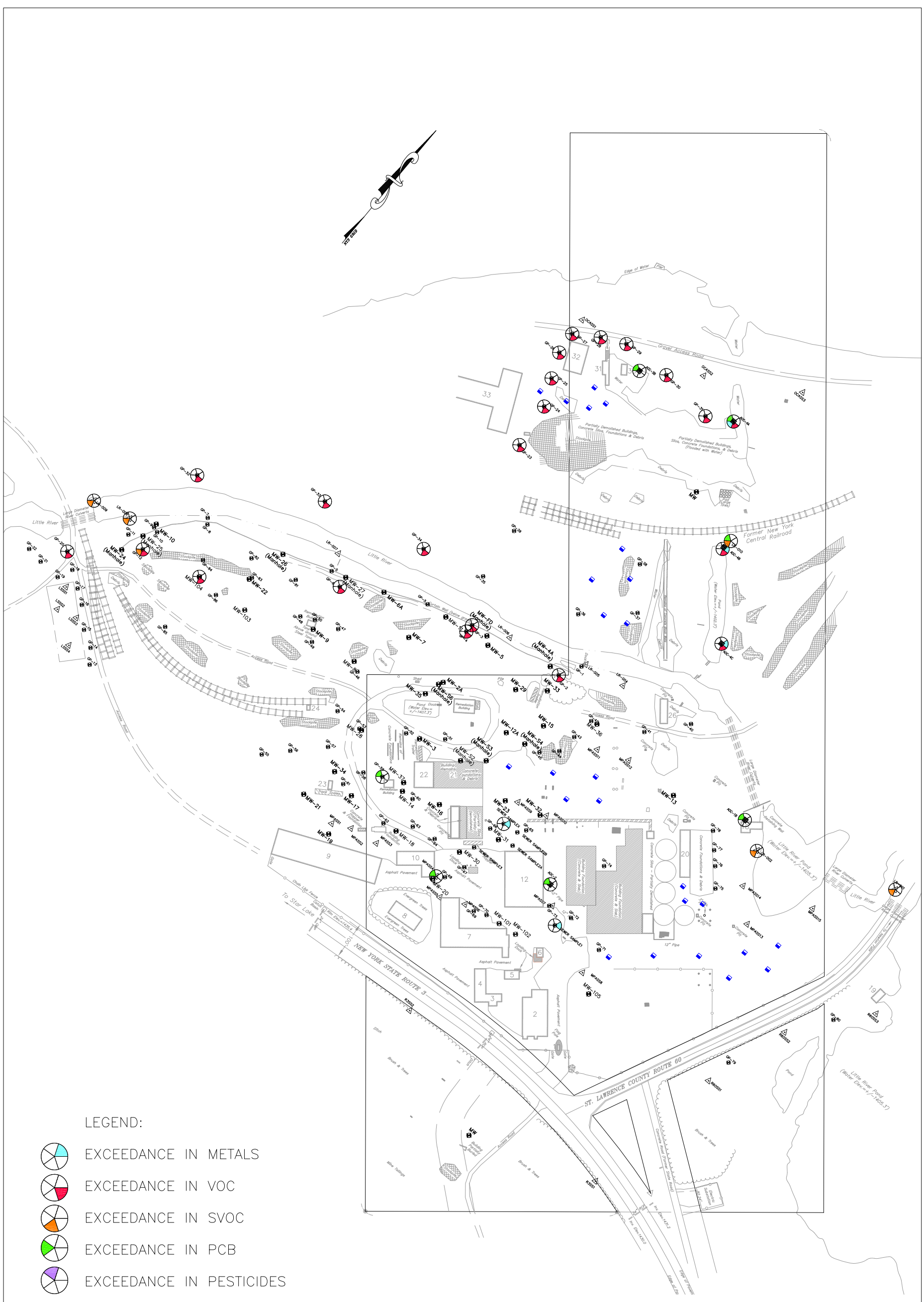
WELL NUMBER: MW-105
WEATHER: 55F partly sunny
DATE: 10/25/2012
TIME: 920

DEVELOPER: Allison Menges of PARSONS
of PARSONS

Time 24 hr	DTW ft.	Pump Rate ml/min	Vol gal.	pH	DO	Spec. Cond. mS/cm	Temp °C	Turb. NTU	Comments
845	35.95	500	0.50	4.75	2.62	2.490	10.38	OR	Water turbid
850	36.00	500	1.00	4.81	0.72	2.450	10.58	328.0	Water turbid
855	36.05	500	1.50	4.87	0.00	2.310	10.85	32.1	Water clear
900	36.05	500	2.00	4.90	0.00	2.220	10.84	8.7	Water clear
905	36.05	500	2.50	4.97	0.00	2.160	10.89	7.7	Water clear
910	36.05	500	3.00	5.02	0.00	2.140	10.97	6.6	Water clear
915	36.05	500	3.50	5.03	0.00	2.150	10.99	6.8	Water clear
920	36.05	500	4.00	5.03	0.00	2.140	11.00	7.5	Water clear

APPENDIX F

HISTORICAL SAMPLE INFORMATION


NYS DEC
Edge of Water
Gravel Access Road
Former New York Central Railroad
Little River
Partially Demolished Buildings, Concrete Silos, Foundations & Debris
Partially Demolished Buildings, Silos, Concrete Foundations, & Debris (Flooded with Water)
Stockpile
Debris
Pond
Water
Concrete Foundations & Debris
Concrete Silos - Partially Demolished
Asphalt Pavement
Evergreen Trees
Brush & Trees
Pond
Concrete Road (Former State Road)
Building Formerly Existed
Mine Tailings
Ditch
Access Road
Pipe
Shed
Remediation Building
Pond Dock
(Water Elev.= +/-1407.37)
Concrete Foundations of Former Building
Truck Scales
Chain Link Fence
Guide Rail
Large Diameter Pipe Culverts
Concrete Pipe
12" Pipe
Concrete Retaining Wall
Little River Pond
(Water Elev.= +/-1405.37)
NEW YORK STATE ROUTE 3
ST. LAWRENCE COUNTY ROUTE 60
To Star Lake
Arnold River
Little River
OCASS1
OCASS2
OCASS3
MPASS1
MPASS2
MPASS3
MPASS4
MPASS5
MPASS6
MPASS7
MPASS8
MPASS9
MPASS10
MPASS11
MPASS12
MPASS13
MPASS14
MPASS15
RBGSS1
RBGSS2
RBGSS3
RSSS1
RSSS2
RSSS3
MW-1
MW-2A (Manhole)
MW-3
MW-4A (Manhole)
MW-5
MW-6A
MW-7
MW-9
MW-10
MW-12A
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
MW-22
MW-23
MW-24A (Manhole)
MW-25
MW-26 (Manhole)
MW-27 (Manhole)
MW-28
MW-29
MW-30
MW-31
MW-32
MW-33
MW-34
MW-35
MW-36
MW-37
MW-FD (Manhole)
MW-S1 (Manhole)
MW-S2 (Manhole)
MW-S3 (Manhole)
MW-S4 (Manhole)
MW-101
MW-102
MW-103
MW-104
MW-105
SEWER SAMPLE1
SEWER SAMPLE2
SEWER SAMPLE2A
SEWER SAMPLE2B
SEWER SAMPLE3
SEWER SAMPLE4
SEWER SAMPLE5
SEWER SAMPLE6
LS001
LS002
LS003
LS004
LR-001
LR-002
LR-003
LR-004
LR-005
LR-006
LR-007
LR-008
LR-009
LR-010
LR-011
LR-012
LR-013
LR-014
LR-015
LR-016
LR-017
LR-018
LR-019
LR-020
LR-021
LR-022
LR-023
LR-024
LR-025
LR-026
LR-027
LR-028
LR-029
LR-030
LR-031
LR-032
LR-033
LR-034
LR-035
LR-036
LR-037
LR-038
LR-039
LR-040

LEGEND:

- EXCEEDANCE IN METALS
- EXCEEDANCE IN VOC
- EXCEEDANCE IN SVOC
- EXCEEDANCE IN PCB
- EXCEEDANCE IN PESTICIDES
- WIPE SAMPLES

250 0 250 500

SCALE: 1"=250'

FIGURE F-2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

JONES & LAUGHLIN/BENSON MINE

HISTORICAL GROUNDWATER SAMPLE EXCEEDANCES AND WIPE SAMPLES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\447415 WA #3 J&L STEEL SITE CHARACTERIZATION\10.0 TECHNICAL CATEGORIES\10.1 CAD - GIS\FIGURES\2016\447415-SAMP-SK002-3-28-16.DWG
PLOT DATE: 3/31/2016 3:12 PM PLOTTED BY: RUSSO, JILL

J L Steel Historical
AOC Soils

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	AOC-1B_101308 AOC-1B 10/13/2008 MG1844 Soil	AOC-2_101308 AOC-2 10/13/2008 MG1844 Soil	AOC-3B_101308 AOC-3B 10/13/2008 MG1844 Soil	AOC-4A_100608 AOC-4A 10/6/2008 MG-1773 Soil	AOC-4B_100608 AOC-4B 10/6/2008 MG-1773 Soil	AOC-4C_100608 AOC-4C 10/6/2008 MG-1773 Soil
method	cas_rn	chemical_name		units						
SW6010	7429-90-5	ALUMINUM	NS	mg/kg				8600	7360	6160
SW6010	7440-36-0	ANTIMONY	NS	mg/kg				0.16 B	0.49 B	0.24 B
SW6010	7440-38-2	ARSENIC	13	mg/kg				5.3	21.5	3.3
SW6010	7440-39-3	BARIUM	7.2	mg/kg				400	580	317
SW6010	7440-41-7	BERYLLIUM	NS	mg/kg				0.73	0.97	0.48
SW6010	7440-43-9	CADMIUM	2.5	mg/kg				0.58	0.71 B	0.65
SW6010	7440-70-2	CALCIUM	NS	mg/kg				5100	5580	2740
SW6010	7440-47-3	CHROMIUM, TOTAL	NS	mg/kg				20.4	11.1	9.8
SW6010	7440-48-4	COBALT	NS	mg/kg				32.1	187	32.8
SW6010	7440-50-8	COPPER	50	mg/kg				194	384	203
SW6010	7439-89-6	IRON	NS	mg/kg				65900	14300	82400
SW6010	7439-92-1	LEAD	63	mg/kg				1510	17.2	6.8
SW6010	7439-95-4	MAGNESIUM	NS	mg/kg				4490	2480	2330
SW6010	7439-96-5	MANGANESE	1600	mg/kg				486	1290	503
SW6010	7440-02-0	NICKEL	30	mg/kg				30.2	64.2	28.3
SW6010	7440-09-7	POTASSIUM	NS	mg/kg				1200	1390	1320
SW6010	7782-49-2	SELENIUM	3.9	mg/kg				0.6 U	0.6 U	0.6 U
SW6010	7440-22-4	SILVER	2	mg/kg				0.34 U	0.34 U	0.34 U
SW6010	7440-23-5	SODIUM	NS	mg/kg				109	43 B	2.8 U
SW6010	7440-28-0	THALLIUM	NS	mg/kg				1.1 B	2.8 B	0.7 B
SW6010	7440-62-2	VANADIUM	NS	mg/kg				50.1	63.8	55.8
SW6010	7440-66-6	ZINC	109	mg/kg				118	263	65
SW7471	7439-97-6	MERCURY	0.18	mg/kg				0.017 B	0.024 B	0.011 B
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	50 UJ	39 U	560000 UJ	44 UJ	130 UJ	42 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	50 UJ	39 U	560000 UJ	44 UJ	130 UJ	42 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	50 UJ	39 U	560000 UJ	44 UJ	130 UJ	42 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	50 UJ	39 U	560000 UJ	44 UJ	130 UJ	42 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	50 UJ	39 U	2500000 J	44 UJ	130 UJ	42 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	410 J	300 J	560000 UJ	170 J	130 UJ	42 UJ
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	160 J	120 J	560000 UJ	44 UJ	130 UJ	42 U
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	680	ug/kg				6.8 U	19 U	6.4 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-34-3	1,1-DICHLOROETHANE	270	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-35-4	1,1-DICHLOROETHENE	330	ug/kg				6.8 U	19 U	6.4 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3600	ug/kg				6.8 U	19 U	6.4 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg				6.8 U	19 U	6.4 U
SW8260	107-06-2	1,2-DICHLOROETHANE	20	ug/kg				6.8 U	19 U	6.4 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8400	ug/kg				6.8 U	19 U	6.4 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg				6.8 U	19 U	6.4 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg				6.8 U	19 U	6.4 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	95-49-8	2-CHLOROTOLUENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	591-78-6	2-HEXANONE	NS	ug/kg				6.8 U	19 U	6.4 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	AOC-1B_101308 AOC-1B 10/13/2008 MG1844 Soil	AOC-2_101308 AOC-2 10/13/2008 MG1844 Soil	AOC-3B_101308 AOC-3B 10/13/2008 MG1844 Soil	AOC-4A_100608 AOC-4A 10/6/2008 MG-1773 Soil	AOC-4B_100608 AOC-4B 10/6/2008 MG-1773 Soil	AOC-4C_100608 AOC-4C 10/6/2008 MG-1773 Soil
method	cas_rn	chemical_name		units						
SW8260	106-43-4	4-CHLOROTOLUENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	67-64-1	ACETONE	50	ug/kg				45 UJ	130 J	51 J
SW8260	71-43-2	BENZENE	60	ug/kg				6.8 U	19 U	6.4 U
SW8260	108-86-1	BROMOBENZENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-25-2	BROMOFORM	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/kg				6.8 UJ	5.7 J	2 J
SW8260	56-23-5	CARBON TETRACHLORIDE	760	ug/kg				6.8 U	19 U	6.4 U
SW8260	108-90-7	CHLOROBENZENE	1100	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	67-66-3	CHLOROFORM	370	ug/kg				6.8 U	19 U	6.4 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	250	ug/kg				6.8 U	19 U	6.4 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	99-87-6	CYMENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	74-95-3	DIBROMOMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	1330-20-7	DIMETHYL BENZENE	260	ug/kg				6.8 U	19 U	6.4 U
SW8260	100-41-4	ETHYLBENZENE	1000	ug/kg				6.8 U	19 U	6.4 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	120	ug/kg				9.5 UJ	41 J	13 J
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-09-2	METHYLENE CHLORIDE	50	ug/kg				6.8 U	19 U	6.4 U
SW8260	91-20-3	NAPHTHALENE	12000	ug/kg				6.8 U	19 U	6.4 U
SW8260	104-51-8	N-BUTYLBENZENE	12000	ug/kg				6.8 U	19 U	6.4 U
SW8260	103-65-1	N-PROPYLBENZENE	3900	ug/kg				6.8 U	19 U	6.4 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	260	ug/kg				6.8 U	19 U	6.4 U
SW8260	135-98-8	SEC-BUTYLBENZENE	11000	ug/kg				6.8 U	19 U	6.4 U
SW8260	100-42-5	STYRENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	98-06-6	T-BUTYLBENZENE	5900	ug/kg				6.8 U	19 U	6.4 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	930	ug/kg				6.8 U	19 U	6.4 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1300	ug/kg				6.8 U	19 U	6.4 U
SW8260	108-88-3	TOLUENE	700	ug/kg				6.8 U	19 U	6.4 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	190	ug/kg				6.8 U	19 U	6.4 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	470	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/kg				6.8 U	19 U	6.4 U
SW8260	75-01-4	VINYL CHLORIDE	20	ug/kg				6.8 U	19 U	6.4 U
SW8260	XYLENES	XYLENES, TOTAL	260	ug/kg				6.8 U	19 U	6.4 U

						DUP
			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	AOC-5A_101308 AOC-5A 10/13/2008 MG1844 Soil	PCB-DUP_101408 AOC-5A 10/14/2008 MG1844 Soil
method	cas_rn	chemical_name		units		
SW6010	7429-90-5	ALUMINUM	NS	mg/kg		
SW6010	7440-36-0	ANTIMONY	NS	mg/kg		
SW6010	7440-38-2	ARSENIC	13	mg/kg		
SW6010	7440-39-3	BARIUM	7.2	mg/kg		
SW6010	7440-41-7	BERYLLIUM	NS	mg/kg		
SW6010	7440-43-9	CADMIUM	2.5	mg/kg		
SW6010	7440-70-2	CALCIUM	NS	mg/kg		
SW6010	7440-47-3	CHROMIUM, TOTAL	NS	mg/kg		
SW6010	7440-48-4	COBALT	NS	mg/kg		
SW6010	7440-50-8	COPPER	50	mg/kg		
SW6010	7439-89-6	IRON	NS	mg/kg		
SW6010	7439-92-1	LEAD	63	mg/kg		
SW6010	7439-95-4	MAGNESIUM	NS	mg/kg		
SW6010	7439-96-5	MANGANESE	1600	mg/kg		
SW6010	7440-02-0	NICKEL	30	mg/kg		
SW6010	7440-09-7	POTASSIUM	NS	mg/kg		
SW6010	7782-49-2	SELENIUM	3.9	mg/kg		
SW6010	7440-22-4	SILVER	2	mg/kg		
SW6010	7440-23-5	SODIUM	NS	mg/kg		
SW6010	7440-28-0	THALLIUM	NS	mg/kg		
SW6010	7440-62-2	VANADIUM	NS	mg/kg		
SW6010	7440-66-6	ZINC	109	mg/kg		
SW7471	7439-97-6	MERCURY	0.18	mg/kg		
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	40 UJ	36 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	40 UJ	36 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	40 UJ	36 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	68 J	36 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	40 UJ	81 J
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	56 J	63 J
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	40 UJ	36 U
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	NS	ug/kg		
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	680	ug/kg		
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/kg		
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/kg		
SW8260	75-34-3	1,1-DICHLOROETHANE	270	ug/kg		
SW8260	75-35-4	1,1-DICHLOROETHENE	330	ug/kg		
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	ug/kg		
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	NS	ug/kg		
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	ug/kg		
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg		
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3600	ug/kg		
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/kg		
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/kg		
SW8260	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg		
SW8260	107-06-2	1,2-DICHLOROETHANE	20	ug/kg		
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/kg		
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8400	ug/kg		
SW8260	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg		
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	ug/kg		
SW8260	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg		
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	ug/kg		
SW8260	95-49-8	2-CHLOROTOLUENE	NS	ug/kg		
SW8260	591-78-6	2-HEXANONE	NS	ug/kg		

						DUP
			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	AOC-5A_101308 AOC-5A 10/13/2008 MG1844 Soil	PCB-DUP_101408 AOC-5A 10/14/2008 MG1844 Soil
method	cas_rn	chemical_name		units		
SW8260	106-43-4	4-CHLOROTOLUENE	NS	ug/kg		
SW8260	67-64-1	ACETONE	50	ug/kg		
SW8260	71-43-2	BENZENE	60	ug/kg		
SW8260	108-86-1	BROMOBENZENE	NS	ug/kg		
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	ug/kg		
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/kg		
SW8260	75-25-2	BROMOFORM	NS	ug/kg		
SW8260	74-83-9	BROMOMETHANE	NS	ug/kg		
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/kg		
SW8260	56-23-5	CARBON TETRACHLORIDE	760	ug/kg		
SW8260	108-90-7	CHLOROBENZENE	1100	ug/kg		
SW8260	75-00-3	CHLOROETHANE	NS	ug/kg		
SW8260	67-66-3	CHLOROFORM	370	ug/kg		
SW8260	74-87-3	CHLOROMETHANE	NS	ug/kg		
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	250	ug/kg		
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/kg		
SW8260	99-87-6	CYMENE	NS	ug/kg		
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/kg		
SW8260	74-95-3	DIBROMOMETHANE	NS	ug/kg		
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/kg		
SW8260	1330-20-7	DIMETHYL BENZENE	260	ug/kg		
SW8260	100-41-4	ETHYLBENZENE	1000	ug/kg		
SW8260	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg		
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	ug/kg		
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	ug/kg		
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	120	ug/kg		
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/kg		
SW8260	75-09-2	METHYLENE CHLORIDE	50	ug/kg		
SW8260	91-20-3	NAPHTHALENE	12000	ug/kg		
SW8260	104-51-8	N-BUTYLBENZENE	12000	ug/kg		
SW8260	103-65-1	N-PROPYLBENZENE	3900	ug/kg		
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	260	ug/kg		
SW8260	135-98-8	SEC-BUTYLBENZENE	11000	ug/kg		
SW8260	100-42-5	STYRENE	NS	ug/kg		
SW8260	98-06-6	T-BUTYLBENZENE	5900	ug/kg		
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	930	ug/kg		
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1300	ug/kg		
SW8260	108-88-3	TOLUENE	700	ug/kg		
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	190	ug/kg		
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/kg		
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	470	ug/kg		
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/kg		
SW8260	108-05-4	VINYL ACETATE	NS	ug/kg		
SW8260	75-01-4	VINYL CHLORIDE	20	ug/kg		
SW8260	XYLENES	XYLENES, TOTAL	260	ug/kg		

J L Steel Historical
MW Soils

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code start_depth end_depth sample_date lab_sdg matrix_code	MW-101_10-12_100708 MW-101 10 12 10/7/2008 MG-1773 Soil	MW-1010_10-12_100708 MW-101 10 12 10/7/2008 MG-1773 Soil	MW-102 30-31 MW-102 30 31 10/7/2008 MG-1773 Soil	MW-103_5-7_100808 MW-103 5 7 10/8/2008 MG-1773 Soil
method	cas_rn	chemical_name		units				
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	4100	430	14000 U	38
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg				
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg				
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg				
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg				
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg				
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg				
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg				
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	680	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-34-3	1,1-DICHLOROETHANE	270	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-35-4	1,1-DICHLOROETHENE	330	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3600	ug/kg	2 J	2 J	1.6 J	400 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	360 U	350 U	380 U	400 U
SW8260	107-06-2	1,2-DICHLOROETHANE	20	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8400	ug/kg	5.5 U	5.3 U	5.2 U	400 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	360 U	350 U	5.2 U	400 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	360 U	350 U	5.2 U	400 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	95-49-8	2-CHLOROTOLUENE	NS	ug/kg	5.5 U	5.3 U	5.2 U	400 U
SW8260	591-78-6	2-HEXANONE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	106-43-4	4-CHLOROTOLUENE	NS	ug/kg	5.5 U	350 U	5.2 U	400 U
SW8260	67-64-1	ACETONE	50	ug/kg	5.5 UJ	5.3 UJ	12 U	41 J
SW8260	71-43-2	BENZENE	60	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	108-86-1	BROMOBENZENE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-25-2	BROMOFORM	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	56-23-5	CARBON TETRACHLORIDE	760	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	108-90-7	CHLOROBENZENE	1100	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	67-66-3	CHLOROFORM	370	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	250	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	99-87-6	CYMENE	NS	ug/kg	360 U	350 U	5.2 U	400 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	74-95-3	DIBROMOMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code start_depth end_depth sample_date lab_sdg matrix_code	MW-101_10-12_100708 MW-101 10 12 10/7/2008 MG-1773 Soil	MW-1010_10-12_100708 MW-101 10 12 10/7/2008 MG-1773 Soil	MW-102 30-31 MW-102 30 31 10/7/2008 MG-1773 Soil	MW-103_5-7_100808 MW-103 5 7 10/8/2008 MG-1773 Soil
method	cas_rn	chemical_name		units				
SW8260	1330-20-7	DIMETHYL BENZENE	260	ug/kg	3.5 J	5.3 U	1.8 J	5.9 U
SW8260	100-41-4	ETHYLBENZENE	1000	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	120	ug/kg	5.5 UJ	5.3 UJ	5.2 UJ	6.3 J
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-09-2	METHYLENE CHLORIDE	50	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	91-20-3	NAPHTHALENE	12000	ug/kg	360 U	350 U	5.2 U	400 U
SW8260	104-51-8	N-BUTYLBENZENE	12000	ug/kg	360 U	350 U	5.2 U	400 U
SW8260	103-65-1	N-PROPYLBENZENE	3900	ug/kg	5.5 U	5.3 U	5.2 U	400 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	260	ug/kg	1.3 J	5.3 U	5.2 U	5.9 U
SW8260	135-98-8	SEC-BUTYLBENZENE	11000	ug/kg	360 U	350 U	5.2 U	400 U
SW8260	100-42-5	STYRENE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	98-06-6	T-BUTYLBENZENE	5900	ug/kg	5.5 U	350 U	5.2 U	400 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	930	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1300	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	108-88-3	TOLUENE	700	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	190	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	470	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	75-01-4	VINYL CHLORIDE	20	ug/kg	5.5 U	5.3 U	5.2 U	5.9 U
SW8260	XYLENES	XYLENES, TOTAL	260	ug/kg	4.9 J	5.3 U	1.8 J	5.9 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	720 U	350 U	380 U	810 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	360 U	350 U	380 U	400 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	360 U	350 U	380 U	400 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	360 U	350 U	380 U	400 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	360 U	350 U	770 U	400 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	360 U	350 U	380 U	810 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	720 U	350 U	380 U	810 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	360 UJ	350 UJ	380 UJ	400 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	720 U	350 U	380 U	400 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	360 U	710 U	380 U	400 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	720 UJ	350 UJ	380 UJ	400 UJ
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	360 U	350 U	380 U	810 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	360 U	710 U	770 U	400 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	360 U	710 U	380 U	400 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	5.3 U	5.9 U	380 U	11 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	360 U	710 U	380 U	400 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	360 U	350 U	770 U	400 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	360 U	350 U	380 U	400 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	360 U	350 U	380 U	400 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code start_depth end_depth sample_date lab_sdg matrix_code	MW-101_10-12_100708 MW-101 10 12 10/7/2008 MG-1773 Soil	MW-1010_10-12_100708 MW-101 10 12 10/7/2008 MG-1773 Soil	MW-102 30-31 MW-102 30 31 10/7/2008 MG-1773 Soil	MW-103_5-7_100808 MW-103 5 7 10/8/2008 MG-1773 Soil
method	cas_rn	chemical_name		units				
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	720 UJ	710 UJ	770 UJ	810 UJ
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	360 U	350 U	380 U	400 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	720 U	350 U	380 U	400 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	360 U	350 U	380 U	11 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	5.3 U	5.9 U	380 U	11 U
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	5.3 U	5.9 U	5.5 U	11 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	5.3 U	5.9 U	5.5 U	11 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	5.3 U	5.9 U	5.5 U	11 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	5.3 U	5.9 U	5.5 U	11 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	5.3 U	5.9 U	380 U	11 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	360 U	710 U	770 U	400 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	360 U	350 U	380 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	5.3 U	5.9 U	380 U	300 J
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	360 U	350 U	380 U	11 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	5.3 U	5.9 U	380 U	11 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	5.3 U	5.9 U	5.5 U	11 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	360 U	350 U	770 U	400 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	360 U	710 U	380 U	400 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	360 U	350 U	770 U	810 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	360 U	350 U	380 U	11 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	5.3 U	5.9 U	380 U	11 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	360 U	5.9 U	380 U	11 U
SW8270	86-73-7	FLUORENE	30000	ug/kg	360 U	350 U	770 U	400 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	360 U	350 U	380 U	400 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	720 U	710 U	380 U	400 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	720 U	350 U	380 U	810 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	360 U	350 U	380 U	810 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	5.3 U	5.9 U	5.5 U	11 U
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	360 U	710 U	380 U	810 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	360 U	710 U	380 U	400 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	360 U	350 U	380 U	400 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	360 UJ	350 UJ	380 UJ	400 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	360 U	350 U	380 U	11 U
SW8270	108-95-2	PHENOL	330	ug/kg	360 U	350 U	380 U	400 U
SW8270	129-00-0	PYRENE	100000	ug/kg	97 J	5.9 U	380 U	11 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code start_depth end_depth sample_date lab_sdg matrix_code	MW-104_5-7_100808 MW-104 5 7 10/8/2008 MG-1773 Soil	MW-105_0-2_100608 MW-105 0 2 10/6/2008 MG-1773 Soil	MW-105_TEST_101308 MW-105 0 0 10/13/2008 MG1844 Soil
method	cas_rn	chemical_name		units			
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	250	19	
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg			37 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg			37 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg			37 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg			37 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg			37 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg			37 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg			37 UJ
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	680	ug/kg	11 U	5.3 U	
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	75-34-3	1,1-DICHLOROETHANE	270	ug/kg	11 U	5.3 U	
SW8260	75-35-4	1,1-DICHLOROETHENE	330	ug/kg	11 U	5.3 U	
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	ug/kg	11 U	5.3 U	
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	NS	ug/kg	11 U	5.3 U	
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	ug/kg	11 U	5.3 U	
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	11 U	5.3 U	
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3600	ug/kg	11 U	5.3 U	
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/kg	11 U	5.3 U	
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/kg	11 U	5.3 U	
SW8260	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	11 U	5.3 U	
SW8260	107-06-2	1,2-DICHLOROETHANE	20	ug/kg	11 U	5.3 U	
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/kg	11 U	5.3 U	
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8400	ug/kg	11 U	5.3 U	
SW8260	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	11 U	5.3 U	
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	ug/kg	11 U	5.3 U	
SW8260	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	11 U	5.3 U	
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	ug/kg	11 U	5.3 U	
SW8260	95-49-8	2-CHLOROTOLUENE	NS	ug/kg	11 U	5.3 U	
SW8260	591-78-6	2-HEXANONE	NS	ug/kg	11 U	5.3 U	
SW8260	106-43-4	4-CHLOROTOLUENE	NS	ug/kg	11 U	5.3 U	
SW8260	67-64-1	ACETONE	50	ug/kg	62 J	5.3 UJ	
SW8260	71-43-2	BENZENE	60	ug/kg	11 U	5.3 U	
SW8260	108-86-1	BROMOBENZENE	NS	ug/kg	11 U	5.3 U	
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	75-25-2	BROMOFORM	NS	ug/kg	11 U	5.3 U	
SW8260	74-83-9	BROMOMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/kg	11 U	5.3 U	
SW8260	56-23-5	CARBON TETRACHLORIDE	760	ug/kg	11 U	5.3 U	
SW8260	108-90-7	CHLOROBENZENE	1100	ug/kg	11 U	5.3 U	
SW8260	75-00-3	CHLOROETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	67-66-3	CHLOROFORM	370	ug/kg	11 U	5.3 U	
SW8260	74-87-3	CHLOROMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	250	ug/kg	11 U	5.3 U	
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/kg	11 U	5.3 U	
SW8260	99-87-6	CYMENE	NS	ug/kg	11 U	5.3 U	
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	74-95-3	DIBROMOMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/kg	11 U	5.3 U	

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code start_depth end_depth sample_date lab_sdg matrix_code	MW-104_5-7_100808 MW-104 5 7 10/8/2008 MG-1773 Soil	MW-105_0-2_100608 MW-105 0 2 10/6/2008 MG-1773 Soil	MW-105_TEST_101308 MW-105 0 0 10/13/2008 MG1844 Soil
method	cas_rn	chemical_name		units			
SW8260	1330-20-7	DIMETHYL BENZENE	260	ug/kg	11 U	5.3 U	
SW8260	100-41-4	ETHYLBENZENE	1000	ug/kg	11 U	5.3 U	
SW8260	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	11 U	5.3 U	
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	ug/kg	11 U	5.3 U	
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	ug/kg	2.5 J	5.3 U	
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	120	ug/kg	12 J	5.3 UJ	
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/kg	11 U	5.3 U	
SW8260	75-09-2	METHYLENE CHLORIDE	50	ug/kg	11 U	5.3 U	
SW8260	91-20-3	NAPHTHALENE	12000	ug/kg	11 U	5.3 U	
SW8260	104-51-8	N-BUTYLBENZENE	12000	ug/kg	7.9 J	5.3 U	
SW8260	103-65-1	N-PROPYLBENZENE	3900	ug/kg	11 U	5.3 U	
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	260	ug/kg	11 U	5.3 U	
SW8260	135-98-8	SEC-BUTYLBENZENE	11000	ug/kg	5.3 J	5.3 U	
SW8260	100-42-5	STYRENE	NS	ug/kg	11 U	5.3 U	
SW8260	98-06-6	T-BUTYLBENZENE	5900	ug/kg	11 U	5.3 U	
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	930	ug/kg	11 U	5.3 U	
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1300	ug/kg	11 U	5.3 U	
SW8260	108-88-3	TOLUENE	700	ug/kg	11 U	5.3 U	
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	190	ug/kg	11 U	5.3 U	
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/kg	11 U	5.3 U	
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	470	ug/kg	11 U	5.3 U	
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/kg	11 U	5.3 U	
SW8260	108-05-4	VINYL ACETATE	NS	ug/kg	11 U	5.3 U	
SW8260	75-01-4	VINYL CHLORIDE	20	ug/kg	11 U	5.3 U	
SW8260	XYLENES	XYLENES, TOTAL	260	ug/kg	11 U	5.3 U	
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	400 U	350 U	
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	400 U	350 U	
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	400 U	350 U	
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	400 U	350 U	
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	810 U	700 U	
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	400 U	350 U	
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	400 U	350 U	
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	400 U	350 U	
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	810 UJ	700 UJ	
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	400 U	350 U	
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	400 U	350 U	
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	400 U	350 U	
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	400 U	350 U	
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	400 UJ	350 UJ	
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	400 U	350 U	
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	810 U	700 U	
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	400 U	350 U	
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	810 U	350 U	
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	810 U	700 U	
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	400 U	700 U	
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	400 U	350 U	
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	400 U	350 U	
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	400 U	350 U	
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	400 U	350 U	
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	400 U	350 U	
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	810 U	700 U	

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code start_depth end_depth sample_date lab_sdg matrix_code	MW-104_5-7_100808 MW-104 5 7 10/8/2008 MG-1773 Soil	MW-105_0-2_100608 MW-105 0 2 10/6/2008 MG-1773 Soil	MW-105_TEST_101308 MW-105 0 0 10/13/2008 MG1844 Soil
method	cas_rn	chemical_name		units			
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	810 UJ	700 UJ	
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	400 U	350 U	
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	400 U	350 U	
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	400 U	350 U	
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	400 U	350 U	
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	400 U	350 U	
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	400 U	350 U	
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	400 U	350 U	
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	400 U	350 U	
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	400 U	350 U	
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	400 U	350 U	
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	ug/kg	400 U	350 U	
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	400 U	350 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	1600	350 U	
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	400 U	350 U	
SW8270	218-01-9	CHRYSENE	1000	ug/kg	400 U	350 U	
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	400 U	350 U	
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	400 U	350 U	
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	400 U	350 U	
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	400 U	350 U	
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	400 U	350 U	
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	400 U	350 U	
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	400 U	120 J	
SW8270	86-73-7	FLUORENE	30000	ug/kg	150 J	350 U	
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	810 U	350 U	
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	400 U	350 U	
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	400 U	350 U	
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	400 U	350 U	
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	400 U	350 U	
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	400 U	350 U	
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	400 U	350 U	
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	400 U	350 U	
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	400 U	350 U	
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	400 U	350 U	
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	400 UJ	700 UJ	
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	400 U	350 U	
SW8270	108-95-2	PHENOL	330	ug/kg	400 U	350 U	
SW8270	129-00-0	PYRENE	100000	ug/kg	400 U	350 U	

			GP-001_062806 GP-001 4 8 6/28/2006 E0909 Soil	GP-002_062806 GP-002 4 8 6/28/2006 E0909 Soil	GP-003_062806 GP-003 4 8 6/28/2006 E0909 Soil	GP-004_062806 GP-004 4 8 6/28/2006 E0909 Soil	GP-005_062806 GP-005 4 8 6/28/2006 E0909 Soil	GP-006_062806 GP-006 4 8 6/28/2006 E0909 Soil	GP-007_062806 GP-007 4 8 6/28/2006 E0909 Soil	GP-008_062806 GP-008 4 8 6/28/2006 E0909 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC								
SW6010	7440-39-3	BARIUM		1.73 J-	0.89 J-	1.45 J-	0.517 J-	1.59 J-		1.78 J-
SW6010	7440-43-9	CADMIUM			0.00092 B					
SW6010	7440-47-3	CHROMIUM, TOTAL		0.0042 B	0.00071 B	0.0008 B	0.00091 B	0.0065 B		
SW6010	7439-92-1	LEAD		0.0028 B	0.0066 B	0.0037 B		0.002 B		0.00081 B
SW6010	7782-49-2	SELENIUM		0.0139 B	0.0089 B	0.0072 B	0.0043 B	0.0109 B		0.007 B
SW6010	7440-22-4	SILVER		0.0016 B						0.0025 B
SW7471	7439-97-6	MERCURY						0.000056 B		
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)								
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)								
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)								
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)								
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)								
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)								
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)								
SW8260	71-55-6	1,1,1-TRICHLOROETHANE								
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE								
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-								
SW8260	79-00-5	1,1,2-TRICHLOROETHANE								
SW8260	75-34-3	1,1-DICHLOROETHANE								
SW8260	75-35-4	1,1-DICHLOROETHENE								
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE			85	20				
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE								
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE								
SW8260	95-50-1	1,2-DICHLOROBENZENE								
SW8260	107-06-2	1,2-DICHLOROETHANE								
SW8260	78-87-5	1,2-DICHLOROPROPANE								
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE								
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE								
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE								
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE		52 J	320 J	70 J		180 J		
SW8260	71-43-2	BENZENE								
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE								
SW8260	75-25-2	BROMOFORM								
SW8260	74-83-9	BROMOMETHANE								
SW8260	75-15-0	CARBON DISULFIDE								
SW8260	56-23-5	CARBON TETRACHLORIDE								
SW8260	108-90-7	CHLOROBENZENE								
SW8260	75-00-3	CHLOROETHANE								
SW8260	67-66-3	CHLOROFORM								
SW8260	74-87-3	CHLOROMETHANE								
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE								

			GP-001_062806 GP-001 4 8 6/28/2006 E0909 Soil	GP-002_062806 GP-002 4 8 6/28/2006 E0909 Soil	GP-003_062806 GP-003 4 8 6/28/2006 E0909 Soil	GP-004_062806 GP-004 4 8 6/28/2006 E0909 Soil	GP-005_062806 GP-005 4 8 6/28/2006 E0909 Soil	GP-006_062806 GP-006 4 8 6/28/2006 E0909 Soil	GP-007_062806 GP-007 4 8 6/28/2006 E0909 Soil	GP-008_062806 GP-008 4 8 6/28/2006 E0909 Soil
method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE								
SW8260	110-82-7	CYCLOHEXANE								
SW8260	99-87-6	CYMENE				16				
SW8260	124-48-1	DIBROMOCHLOROMETHANE								
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE								
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE								
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)			7 J	10 J				
SW8260	79-20-9	METHYL ACETATE								
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)			94					
SW8260	108-10-1	METHYL ISOBUTYL KETONE								
SW8260	108-87-2	METHYLCYCLOHEXANE								
SW8260	75-09-2	METHYLENE CHLORIDE								
SW8260	136777-61-2	M-P-XYLENE								
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE			10 J	32				
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)								
SW8260	135-98-8	SEC-BUTYLBENZENE			8 J	110				
SW8260	100-42-5	STYRENE								
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER								
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)								
SW8260	108-88-3	TOLUENE	2 J							3 J
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE								
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE								
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)								
SW8260	75-69-4	TRICHLOROFLUOROMETHANE								
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE								
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	120-83-2	2,4-DICHLOROPHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	105-67-9	2,4-DIMETHYLPHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	51-28-5	2,4-DINITROPHENOL	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	606-20-2	2,6-DINITROTOLUENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	91-58-7	2-CHLORONAPHTHALENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	95-57-8	2-CHLOROPHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	91-57-6	2-METHYLNAPHTHALENE	350 UJ	400 UJ	310 J	390 UJ	400 UJ	55 J	370 UJ	400 UJ
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	88-74-4	2-NITROANILINE	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ

			GP-001_062806 GP-001 4 8 6/28/2006 E0909 Soil	GP-002_062806 GP-002 4 8 6/28/2006 E0909 Soil	GP-003_062806 GP-003 4 8 6/28/2006 E0909 Soil	GP-004_062806 GP-004 4 8 6/28/2006 E0909 Soil	GP-005_062806 GP-005 4 8 6/28/2006 E0909 Soil	GP-006_062806 GP-006 4 8 6/28/2006 E0909 Soil	GP-007_062806 GP-007 4 8 6/28/2006 E0909 Soil	GP-008_062806 GP-008 4 8 6/28/2006 E0909 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	99-09-2	3-NITROANILINE	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	720 UJ	400 UJ	790 UJ	390 UJ	820 UJ	380 UJ	750 UJ	400 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	106-47-8	4-CHLOROANILINE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	100-01-6	4-NITROANILINE	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ
SW8270	100-02-7	4-NITROPHENOL	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ
SW8270	83-32-9	ACENAPHTHENE	350 UJ	400 UJ	710 J	390 UJ	400 UJ	710 J	370 UJ	66 J
SW8270	208-96-8	ACENAPHTHYLENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	98-86-2	ACETOPHENONE								
SW8270	120-12-7	ANTHRACENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	290 J	370 UJ	400 UJ
SW8270	1912-24-9	ATRAZINE								
SW8270	100-52-7	BENZALDEHYDE								
SW8270	56-55-3	BENZO(A)ANTHRACENE	350 UJ	400 UJ	50 J	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	50-32-8	BENZO(A)PYRENE	350 UJ	400 UJ	41 J	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	205-99-2	BENZO(B)FLUORANTHENE	350 UJ	400 UJ	65 J	46 J	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	207-08-9	BENZO(K)FLUORANTHENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	92-52-4	BIPHENYL (DIPHENYL)								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	220 J	290 J	130 J	200 J	110 J	5800 J	99 J	120 J
SW8270	105-60-2	CAPROLACTAM								
SW8270	86-74-8	CARBAZOLE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	218-01-9	CHRYSENE	350 UJ	400 UJ	58 J	110 J	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	132-64-9	DIBENZOFURAN	350 UJ	400 UJ	410 J	390 UJ	400 UJ	380 UJ	370 UJ	46 J
SW8270	84-66-2	DIETHYL PHTHALATE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	131-11-3	DIMETHYL PHTHALATE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	206-44-0	FLUORANTHENE	350 UJ	400 UJ	190 J	580 J	400 UJ	70 J	370 UJ	400 UJ
SW8270	86-73-7	FLUORENE	350 UJ	400 UJ	810 J	390 UJ	400 UJ	1400 J	370 UJ	130 J
SW8270	118-74-1	HEXACHLOROBENZENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	87-68-3	HEXACHLOROBUTADIENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	67-72-1	HEXACHLOROETHANE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	78-59-1	ISOPHORONE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	91-20-3	NAPHTHALENE	350 UJ	400 UJ	230 J	390 UJ	400 UJ	150 J	370 UJ	400 UJ
SW8270	98-95-3	NITROBENZENE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	87-86-5	PENTACHLOROPHENOL	720 UJ	810 UJ	790 UJ	790 UJ	820 UJ	760 UJ	750 UJ	820 UJ
SW8270	85-01-8	PHENANTHRENE	350 UJ	400 UJ	2300 J	960 UJ	400 UJ	3900 J	370 UJ	44 J
SW8270	108-95-2	PHENOL	350 UJ	400 UJ	390 UJ	390 UJ	400 UJ	380 UJ	370 UJ	400 UJ
SW8270	129-00-0	PYRENE	350 UJ	400 UJ	150 J	240 J	400 UJ	90 J	370 UJ	400 UJ

			GP-009_062806 GP-009 4 8 6/28/2006 E0909 Soil	GP-010_062806 GP-010 4 8 6/28/2006 E0909 Soil	GP-011_062806 GP-011 4 8 6/28/2006 E0909 Soil	GP-012_062806 GP-012 4 8 6/28/2006 E0909 Soil	GP-013_062806 GP-013 4 8 6/28/2006 E0909 Soil	GP-014_062806 GP-014 4 8 6/28/2006 E0909 Soil	GP-015_062806 GP-015 4 8 6/28/2006 E0909 Soil	GP-016_062806 GP-016 4 8 6/28/2006 E0909 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC								
SW6010	7440-39-3	BARIUM			1.43 J-	1.14 J-	0.145 J-	0.166 J-		
SW6010	7440-43-9	CADMIUM				0.00011 B				
SW6010	7440-47-3	CHROMIUM, TOTAL			0.001 B	0.002 B	0.0027 B	0.0028 B		
SW6010	7439-92-1	LEAD				0.002 B	0.348 J-	0.0695 J-		
SW6010	7782-49-2	SELENIUM			0.0058 B	0.0067 B	0.0075 B	0.011 B		
SW6010	7440-22-4	SILVER				0.0012 B				
SW7471	7439-97-6	MERCURY								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)								
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)								
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)								
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)								
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)								
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)								
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)								
SW8260	71-55-6	1,1,1-TRICHLOROETHANE								
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE								
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-								
SW8260	79-00-5	1,1,2-TRICHLOROETHANE								
SW8260	75-34-3	1,1-DICHLOROETHANE								
SW8260	75-35-4	1,1-DICHLOROETHENE								
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE								
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE								
SW8260	95-50-1	1,2-DICHLOROBENZENE								
SW8260	107-06-2	1,2-DICHLOROETHANE								
SW8260	78-87-5	1,2-DICHLOROPROPANE								
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE								
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE								
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE								
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE				230 J				
SW8260	71-43-2	BENZENE				230 J				
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE								
SW8260	75-25-2	BROMOFORM								
SW8260	74-83-9	BROMOMETHANE								
SW8260	75-15-0	CARBON DISULFIDE								
SW8260	56-23-5	CARBON TETRACHLORIDE								
SW8260	108-90-7	CHLOROBENZENE								
SW8260	75-00-3	CHLOROETHANE								
SW8260	67-66-3	CHLOROFORM								
SW8260	74-87-3	CHLOROMETHANE								
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE								

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method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE								
SW8260	110-82-7	CYCLOHEXANE								
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE								
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE								
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE								
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)								
SW8260	79-20-9	METHYL ACETATE								
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)				44				
SW8260	108-10-1	METHYL ISOBUTYL KETONE								
SW8260	108-87-2	METHYLCYCLOHEXANE								
SW8260	75-09-2	METHYLENE CHLORIDE								
SW8260	136777-61-2	M-P-XYLENE								
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)								
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE								
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER								
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)								
SW8260	108-88-3	TOLUENE								
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE								
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE								
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)								
SW8260	75-69-4	TRICHLOROFLUOROMETHANE								
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE								
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	120-83-2	2,4-DICHLOROPHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	105-67-9	2,4-DIMETHYLPHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	51-28-5	2,4-DINITROPHENOL	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	606-20-2	2,6-DINITROTOLUENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	91-58-7	2-CHLORONAPHTHALENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	95-57-8	2-CHLOROPHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	91-57-6	2-METHYLNAPHTHALENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	88-74-4	2-NITROANILINE	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ

			GP-009_062806 GP-009 4 8 6/28/2006 E0909 Soil	GP-010_062806 GP-010 4 8 6/28/2006 E0909 Soil	GP-011_062806 GP-011 4 8 6/28/2006 E0909 Soil	GP-012_062806 GP-012 4 8 6/28/2006 E0909 Soil	GP-013_062806 GP-013 4 8 6/28/2006 E0909 Soil	GP-014_062806 GP-014 4 8 6/28/2006 E0909 Soil	GP-015_062806 GP-015 4 8 6/28/2006 E0909 Soil	GP-016_062806 GP-016 4 8 6/28/2006 E0909 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	99-09-2	3-NITROANILINE	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	730 UJ	360 UJ	730 UJ	390 UJ				700 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	106-47-8	4-CHLOROANILINE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	100-01-6	4-NITROANILINE	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ
SW8270	100-02-7	4-NITROPHENOL	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ
SW8270	83-32-9	ACENAPHTHENE	42 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	208-96-8	ACENAPHTHYLENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	98-86-2	ACETOPHENONE								
SW8270	120-12-7	ANTHRACENE	66 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	1912-24-9	ATRAZINE								
SW8270	100-52-7	BENZALDEHYDE								
SW8270	56-55-3	BENZO(A)ANTHRACENE	140 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	50-32-8	BENZO(A)PYRENE	110 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	205-99-2	BENZO(B)FLUORANTHENE	160 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	86 J	360 UJ	360 UJ	390 UJ	42 J			340 UJ
SW8270	207-08-9	BENZO(K)FLUORANTHENE	61 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	92-52-4	BIPHENYL (DIPHENYL)								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	150 J	330 UJ	250 J	120 J	100 J	87 J	62 J	110 J
SW8270	105-60-2	CAPROLACTAM								
SW8270	86-74-8	CARBAZOLE	68 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	218-01-9	CHRYSENE	160 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	132-64-9	DIBENZOFURAN	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	84-66-2	DIETHYL PHTHALATE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	131-11-3	DIMETHYL PHTHALATE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	206-44-0	FLUORANTHENE	480 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	86-73-7	FLUORENE	45 J	360 UJ	360 UJ	53 J				340 UJ
SW8270	118-74-1	HEXACHLOROBENZENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	87-68-3	HEXACHLOROBUTADIENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	360 UJ	360 UJ	360 UJ	390 UJ	350 UJ	350 UJ	340 UJ	340 UJ
SW8270	67-72-1	HEXACHLOROETHANE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	69 J	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	78-59-1	ISOPHORONE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	91-20-3	NAPHTHALENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	98-95-3	NITROBENZENE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	87-86-5	PENTACHLOROPHENOL	730 UJ	730 UJ	730 UJ	800 UJ				700 UJ
SW8270	85-01-8	PHENANTHRENE	440 J	360 UJ	360 UJ	46 J				340 UJ
SW8270	108-95-2	PHENOL	360 UJ	360 UJ	360 UJ	390 UJ				340 UJ
SW8270	129-00-0	PYRENE	300 J	360 UJ	360 UJ	390 UJ				340 UJ

			GP-017_062806 GP-017 4 8 6/28/2006 E0909 Soil	GP-018_062806 GP-018 4 8 6/28/2006 E0909 Soil	GP-019_062806 GP-019 4 8 6/28/2006 E0909 Soil	GP-020_062806 GP-020 4 8 6/28/2006 E0909 Soil	GP-021_062806 GP-021 4 8 6/28/2006 E0909 Soil	GP-022_062806 GP-022 4 8 6/28/2006 E0909 Soil	GP-023_062806 GP-023 0 0 6/28/2006 X3560 Soil	GP-024_062806 GP-024 0 0 6/28/2006 X3560 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC							0.00147	0.012 U
SW6010	7440-39-3	BARIUM	1.6 J-			0.921 J-			0.287	0.0552
SW6010	7440-43-9	CADMIUM	0.00024 B			0.0026 B			0.0051 U	0.0037 U
SW6010	7440-47-3	CHROMIUM, TOTAL							0.0149 J-	0.00333 J-
SW6010	7439-92-1	LEAD	0.0095 B			0.06 J-			0.00786	0.0017
SW6010	7782-49-2	SELENIUM	0.0162 B			0.0023 B			0.013 U	0.002 U
SW6010	7440-22-4	SILVER	0.0013 B			0.0012 B			0.0074 U	0.002 U
SW7471	7439-97-6	MERCURY							0.004 U	0.0048 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)							5.5 U	0.408 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)							2.7 U	0.094 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)							1.8 U	0.007 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)							4.5 U	4.7 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)							0.035 U	4.7 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)							0.363 U	4.5 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)							0.084 U	11 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE							2.2 U	2.2 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE							3 U	64 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-							3.6 U	1.9 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE							1.2 U	2.7 U
SW8260	75-34-3	1,1-DICHLOROETHANE							15 U	1.8 U
SW8260	75-35-4	1,1-DICHLOROETHENE							3.1 U	17 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE							53 U	66 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE							72 U	63 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE							2 U	1.9 U
SW8260	95-50-1	1,2-DICHLOROBENZENE							3.7 U	58 U
SW8260	107-06-2	1,2-DICHLOROETHANE							2.2 U	22 U
SW8260	78-87-5	1,2-DICHLOROPROPANE							11 U	2.4 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE							2.1 U	66 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE							5.1 U	64 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE							2.2 U	1.8 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE				57 J			63 J	100 J
SW8260	71-43-2	BENZENE							1.7 U	1.8 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE							2.2 U	4.4 U
SW8260	75-25-2	BROMOFORM							1.7 U	60 U
SW8260	74-83-9	BROMOMETHANE							11 U	5.2 U
SW8260	75-15-0	CARBON DISULFIDE							2 U	1.9 U
SW8260	56-23-5	CARBON TETRACHLORIDE							1.9 U	2 U
SW8260	108-90-7	CHLOROBENZENE							4.7 U	3.3 U
SW8260	75-00-3	CHLOROETHANE							12 UJ	3.8 UJ
SW8260	67-66-3	CHLOROFORM							2.3 U	2.4 U
SW8260	74-87-3	CHLOROMETHANE							4.6 U	2.2 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE							2.3 U	12 U

			GP-017_062806 GP-017 4 8 6/28/2006 E0909 Soil	GP-018_062806 GP-018 4 8 6/28/2006 E0909 Soil	GP-019_062806 GP-019 4 8 6/28/2006 E0909 Soil	GP-020_062806 GP-020 4 8 6/28/2006 E0909 Soil	GP-021_062806 GP-021 4 8 6/28/2006 E0909 Soil	GP-022_062806 GP-022 4 8 6/28/2006 E0909 Soil	GP-023_062806 GP-023 0 0 6/28/2006 X3560 Soil	GP-024_062806 GP-024 0 0 6/28/2006 X3560 Soil
method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE							20 U	2.3 U
SW8260	110-82-7	CYCLOHEXANE							2.4 U	1.8 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE							4 U	2.5 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE							4.6 U	3.4 U
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE							2.1 U	2.3 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)							3 U	63 U
SW8260	79-20-9	METHYL ACETATE							3.5 UJ	2.5 UJ
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)				9			1.8 U	2.4 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE							2 U	2.2 U
SW8260	108-87-2	METHYLCYCLOHEXANE							1.7 U	2 U
SW8260	75-09-2	METHYLENE CHLORIDE							17 J	21 J
SW8260	136777-61-2	M-P-XYLENE							2.5 U	5.6 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)							1.7 U	4.1 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE							2.3 U	82 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER							4.7 U	2.1 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)							1.9 UJ	3.3 UJ
SW8260	108-88-3	TOLUENE							1.8 U	2.1 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE							1.8 U	2.4 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE							1.6 U	5.2 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)							1.8 U	1.4 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE							6.8 UJ	1.6 UJ
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE							4.5 U	2.2 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	58 U	340 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	58 U	71 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	42 U	61 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	65 U	64 U
SW8270	51-28-5	2,4-DINITROPHENOL	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	58 U	66 U
SW8270	121-14-2	2,4-DINITROTOLUENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	55 U	61 U
SW8270	606-20-2	2,6-DINITROTOLUENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	62 U	67 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	66 U
SW8270	95-57-8	2-CHLOROPHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	61 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	51 U	56 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	51 U	63 U
SW8270	88-74-4	2-NITROANILINE	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	57 U	58 U

			GP-017_062806 GP-017 4 8 6/28/2006 E0909 Soil	GP-018_062806 GP-018 4 8 6/28/2006 E0909 Soil	GP-019_062806 GP-019 4 8 6/28/2006 E0909 Soil	GP-020_062806 GP-020 4 8 6/28/2006 E0909 Soil	GP-021_062806 GP-021 4 8 6/28/2006 E0909 Soil	GP-022_062806 GP-022 4 8 6/28/2006 E0909 Soil	GP-023_062806 GP-023 0 0 6/28/2006 X3560 Soil	GP-024_062806 GP-024 0 0 6/28/2006 X3560 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	57 U	67 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	63 U	50 U
SW8270	99-09-2	3-NITROANILINE	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	300 U	68 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	52 U	61 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	54 U	70 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	65 U
SW8270	106-47-8	4-CHLOROANILINE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	66 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	60 U	63 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	59 U	68 U
SW8270	100-01-6	4-NITROANILINE	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	58 U	61 U
SW8270	100-02-7	4-NITROPHENOL	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	51 U	59 U
SW8270	83-32-9	ACENAPHTHENE	360 UJ	350 UJ		380 UJ	390 UJ	350 UJ	43 U	77 U
SW8270	208-96-8	ACENAPHTHYLENE	360 UJ	350 UJ		380 UJ	390 UJ	350 UJ	46 U	63 U
SW8270	98-86-2	ACETOPHENONE							58 U	74 U
SW8270	120-12-7	ANTHRACENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	53 U	76 U
SW8270	1912-24-9	ATRAZINE							56 U	68 U
SW8270	100-52-7	BENZALDEHYDE							55 U	68 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	360 UJ	350 UJ	350 UJ	43 J	390 UJ	59 J	59 U	66 U
SW8270	50-32-8	BENZO(A)PYRENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	51 J	58 U	2 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	360 UJ	350 UJ	350 UJ	44 J	390 UJ	63 J	44 U	6.3 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	6.2 U	0.039 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	44 U	3.1 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	49 U	51 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)							44 U	49 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	60 U	58 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	58 U	60 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	55 U	65 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	96 J	150 J	190 J	120 J	190 J	64 J	160 J	4.8 U
SW8270	105-60-2	CAPROLACTAM							58 U	64 U
SW8270	86-74-8	CARBAZOLE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	52 U	68 U
SW8270	218-01-9	CHRYSENE	360 UJ	350 UJ	350 UJ	51 J	390 UJ	64 J	38 U	3.1 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	4.2 U	0.469 U
SW8270	132-64-9	DIBENZOFURAN	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	60 U	64 U
SW8270	84-66-2	DIETHYL PHTHALATE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	59 U	92 U
SW8270	131-11-3	DIMETHYL PHTHALATE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	49 U	69 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	62 U	44 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	7.1 U
SW8270	206-44-0	FLUORANTHENE	360 UJ	350 UJ	350 UJ	75 J	390 UJ	82 J	57 U	88 U
SW8270	86-73-7	FLUORENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	68 U	60 U
SW8270	118-74-1	HEXACHLOROBENZENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	81 U	64 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	48 U	51 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	53 UJ	52 UJ
SW8270	67-72-1	HEXACHLOROETHANE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	53 U	61 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	2.7 U	5.1 U
SW8270	78-59-1	ISOPHORONE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	55 U	55 U
SW8270	91-20-3	NAPHTHALENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	54 U	66 U
SW8270	98-95-3	NITROBENZENE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	54 U	64 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	76 U	47 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	59 U
SW8270	87-86-5	PENTACHLOROPHENOL	740 UJ	710 UJ	720 UJ	770 UJ	800 UJ	710 UJ	53 U	56 U
SW8270	85-01-8	PHENANTHRENE	360 UJ	350 UJ	350 UJ	44 J	390 UJ	45 J	53 U	71 U
SW8270	108-95-2	PHENOL	360 UJ	350 UJ	350 UJ	380 UJ	390 UJ	350 UJ	56 U	87 U
SW8270	129-00-0	PYRENE	360 UJ	350 UJ	350 UJ	51 J	390 UJ	74 J	60 U	64 U

			GP-025_062806 GP-025 0 0 6/28/2006 X3560 Soil	GP-026_062806 GP-026 0 0 6/28/2006 X3560 Soil	GP-027_062906 GP-027 0 0 6/29/2006 X3560 Soil	GP-028_062906 GP-028 0 0 6/29/2006 X3560 Soil	GP-029_062906 GP-029 0 0 6/29/2006 X3560 Soil	GP-030_062906 GP-030 0 0 6/29/2006 X3560 Soil	GP-031_062906 GP-031 0 0 6/29/2006 X3560 Soil	GP-032_062906 GP-032 0 0 6/29/2006 X3560 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.044 U	0.00727	0.00823	0.00586	0.00328	0.00531	0.065 U	0.058 U
SW6010	7440-39-3	BARIUM	0.0955	0.818	0.901	0.273	0.326	0.464	0.00665 J	0.43
SW6010	7440-43-9	CADMIUM	0.053 U	0.064 U	0.069 U	0.066 U	0.059 U	0.061 U	0.075 U	0.083 U
SW6010	7440-47-3	CHROMIUM, TOTAL	0.0042 J-	0.00372 J-	0.0155 J-	0.00205 J-	0.00388 J-	0.00501 J-	0.00279 J-	0.0198 J-
SW6010	7439-92-1	LEAD	0.00167	0.00913	0.00873	0.00712	0.0159	0.0113	0.00303	0.00342
SW6010	7782-49-2	SELENIUM	0.091 U	0.07 U	0.00153	0.00116 J	0.000642 J	0.00122 J	0.061 U	0.055 U
SW6010	7440-22-4	SILVER	0.052 U	0.068 U	0.064 U	0.061 U	0.06 U	0.062 U	0.059 U	0.055 U
SW7471	7439-97-6	MERCURY	0.087 U	0.000024	0.067 U	0.00001 J	0.00008	0.000047	0.089 U	0.053 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	110 U	2 U	83 U	90 U	71 U	61 U	68 U	62 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	79 U	2.7 U	62 U	62 U	75 U	47 U	330 U	57 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	56 U	2 U	64 U	64 U	64 U	59 U	48 U	61 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	3000 U	3.6 U	65 U	66 U	78 U	60 U	63 U	61 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	33 U	3.5 U	68 U	68 U	74 U	52 U	56 U	70 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	44 U	2.5 U	47	27	68 U	48 U	66 U	59 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	92 U	6 U	59 U	71 U	71 U	65 U	61 U	54 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	13 J	69 U	54 U	67 U	63 U	75 U	47 U	6.8 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	670 U	75 U	65 U	69 U	6.6 U	4.7 U	2.1 U	1.8 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-	2.2 U	73 U	67 U	68 U	54 U	78 U	59 U	62 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	580 U	65 U	67 U	94 U	74 U	77 U	0.037 U	4.7 U
SW8260	75-34-3	1,1-DICHLOROETHANE	1.6 U	82 U	71 U	66 U	70 U	74 U	51 U	61 U
SW8260	75-35-4	1,1-DICHLOROETHENE	1.7 U	79 U	70 U	65 U	74 U	79 U	55 U	66 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	580 U	76 U	59 U	51 U	0.099 U	3.2 U	1.8 U	2.3 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	500 U	80 U	72 U	52 U	0.041 U	3.8 U	1.5 U	1.9 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	530 U	62 U	82 U	62 U	45 U	8.3 U	0.006 U	12 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	580 U	120 U	68 U	65 U	5.3 U	7.1 U	3.6 U	1.8 U
SW8260	107-06-2	1,2-DICHLOROETHANE	3.1 U	74 U	60 U	64 U	62 U	83 U	2.8 U	1.9 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	2.1 U	83 U	75 U	69 U	63 U	79 U	6.5 U	0.456 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE	430 U	80 U	63 U	45 U	3.2 U	11 U	2.1 U	16 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE	560 U	77 U	75 U	89 U	2.1 U	12 U	4.8 U	2.5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE	600 U	89 U	71 U	65 U	79 U	3.6 U	0.381 U	4.6 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE	1.7 UJ	210 J	99 J	76 J	150 J	78 J	66 J	67 J
SW8260	71-43-2	BENZENE	1.7 U	80 U	69 U	70 U	66 U	65 U	61 U	2.9 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE	5.2 U	83 U	360 U	79 U	61 U	51 U	5.8 U	0.038 U
SW8260	75-25-2	BROMOFORM	580 U	97 U	64 U	73 U	4.9 U	4.9 U	3.7 U	3.5 U
SW8260	74-83-9	BROMOMETHANE	2.4 U	80 U	92 U	63 U	66 U	68 U	59 U	59 U
SW8260	75-15-0	CARBON DISULFIDE	2.2 U	85 U	72 U	62 U	51 U	76 U	56 U	69 U
SW8260	56-23-5	CARBON TETRACHLORIDE	2.2 U	60 U	65 U	72 U	68 U	71 U	40 U	63 U
SW8260	108-90-7	CHLOROBENZENE	600 U	74 U	63 U	60 U	66 U	3.6 U	4.8 U	3.7 U
SW8260	75-00-3	CHLOROETHANE	1.8 UJ	83 UJ	64 UJ	65 UJ	67 UJ	80 UJ	56 UJ	57 UJ
SW8260	67-66-3	CHLOROFORM	2 U	81 U	70 U	50 U	66 U	82 U	59 U	4.5 U
SW8260	74-87-3	CHLOROMETHANE	1.5 U	76 U	70 U	69 U	69 U	58 U	61 U	58 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	4 U	77 U	70 U	350 U	62 U	69 U	81 U	2.9 U

			GP-025_062806 GP-025 0 0 6/28/2006 X3560 Soil	GP-026_062806 GP-026 0 0 6/28/2006 X3560 Soil	GP-027_062906 GP-027 0 0 6/29/2006 X3560 Soil	GP-028_062906 GP-028 0 0 6/29/2006 X3560 Soil	GP-029_062906 GP-029 0 0 6/29/2006 X3560 Soil	GP-030_062906 GP-030 0 0 6/29/2006 X3560 Soil	GP-031_062906 GP-031 0 0 6/29/2006 X3560 Soil	GP-032_062906 GP-032 0 0 6/29/2006 X3560 Soil
method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	570 U	71 U	73 U	62 U	58 U	58 U	0.438 U	4.7 U
SW8260	110-82-7	CYCLOHEXANE	450 J	93 U	68 U	57 U	71 U	70 U	66 U	49 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	580 U	430 U	72 U	61 U	70 U	5.5 U	0.088 U	11 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	3.5 U	100 U	67 U	75 U	68 U	400 U	71 U	61 U
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE	1900 JD	87 U	68 U	72 U	52 U	2.3 U	4.6 U	3.2 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	1500 JD	83 U	65 U	78 U	7.4 U	4.8 U	3.2 U	1.5 U
SW8260	79-20-9	METHYL ACETATE	11 UJ	75 UJ	65 UJ	67 UJ	61 UJ	74 UJ	65 UJ	65 UJ
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	1.3 U	58 J	62 U	53 U	34 J	71 U	63 U	48 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	3.8 U	64 U	52 U	67 U	73 U	100 U	2.8 U	0.397 U
SW8260	108-87-2	METHYLCYCLOHEXANE	1100 UD	84 U	68 U	60 U	96 U	79 U	46 U	6 U
SW8260	75-09-2	METHYLENE CHLORIDE	230 BJ	34 J	21 J	23 J	26 J	24 J	14 J	21 J
SW8260	136777-61-2	M-P-XYLENE	1900 JD	79 U	65 U	66 U	52 U	5.9 U	11 U	2 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	490 J	85 U	98 U	70 U	68 U	0.046 U	12 U	2 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE	560 U	86 U	67 U	57 U	3.2 U	0.111 U	7 U	4.8 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	1.8 U	110 U	50 U	67 U	68 U	69 U	55 U	74 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	570 UJ	83 UJ	70 UJ	62 UJ	91 UJ	7.4 UJ	4.8 UJ	6.9 UJ
SW8260	108-88-3	TOLUENE	38 J	81 U	70 U	61 U	67 U	74 U	1.8 U	0.092 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	1.8 U	80 U	58 U	65 U	65 U	110 U	63 U	85 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	550 U	81 U	62 U	65 U	71 U	59 U	4.7 U	0.007 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	3 U	77 U	55 U	69 U	63 U	89 U	4.4 U	4.9 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	1.9 UJ	81 UJ	65 UJ	56 UJ	58 UJ	73 UJ	85 UJ	68 UJ
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE	16 U	79 U	72 U	48 U	52 U	77 U	55 U	59 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	590 U	0.508 U	4.1 U	2 U	2.3 U	2.3 U	2.6 U	3 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	640 U	0.049 U	7.7 U	2.7 U	2.7 U	1.3 U	2.1 U	3.1 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	600 U	83 U	0.041 U	4.1 U	3.1 U	2.3 U	1.6 U	2 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	620 U	64 U	3.2 U	13 U	2.2 U	1.7 U	2 U	2.2 U
SW8270	51-28-5	2,4-DINITROPHENOL	460 U	3.7 U	2.7 U	12 U	5 U	1.8 U	79 UJ	58 U
SW8270	121-14-2	2,4-DINITROTOLUENE	2.8 U	5.5 U	2.6 U	2 U	6 U	2.2 U	61 U	60 U
SW8270	606-20-2	2,6-DINITROTOLUENE	400 U	14 U	1.7 U	1.9 U	25 U	2.6 U	2.2 U	57 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	510 U	5.5 U	2.3 U	2.6 U	2.8 U	2.1 U	2.3 U	5.2 U
SW8270	95-57-8	2-CHLOROPHENOL	460 U	89 U	47 U	7.3 U	14 U	3.6 U	1.9 U	1.7 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	40000 D	2.5 U	13 U	1.7 U	2.1 U	1.7 U	2 U	2.3 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	580 U	81 U	93 U	6.5 U	15 U	1.5 U	2.3 U	2.2 U
SW8270	88-74-4	2-NITROANILINE	650 U	5.5 U	2.3 U	2.6 U	2.5 U	2 U	1.7 U	3.8 U

			GP-025_062806 GP-025 0 0 6/28/2006 X3560 Soil	GP-026_062806 GP-026 0 0 6/28/2006 X3560 Soil	GP-027_062906 GP-027 0 0 6/29/2006 X3560 Soil	GP-028_062906 GP-028 0 0 6/29/2006 X3560 Soil	GP-029_062906 GP-029 0 0 6/29/2006 X3560 Soil	GP-030_062906 GP-030 0 0 6/29/2006 X3560 Soil	GP-031_062906 GP-031 0 0 6/29/2006 X3560 Soil	GP-032_062906 GP-032 0 0 6/29/2006 X3560 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	570 U	80 U	6.7 U	13 U	1.9 U	2.3 U	2.3 UJ	1.3 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	95 U	2.1 U	5.3 U	4.2 U	73 U	68 U	64 U	60 U
SW8270	99-09-2	3-NITROANILINE	800 U	8 U	2 U	2.5 U	1.6 U	1.8 U	5.3 U	57 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	1.8 U	2.8 U	2.5 U	4.5 U	2.1 U	58 U	64 UJ	57 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.426 U	2.2 U	12 U	2.2 U	3.8 U	61 U	84 U	67 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	550 U	3.8 U	5.1 U	4 U	2.8 U	1.9 U	2 U	1.7 U
SW8270	106-47-8	4-CHLOROANILINE	580 U	5.9 U	0.007 U	2.3 U	2.4 U	11 U	1.3 U	4.8 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	6.5 U	1.7 U	2.5 U	22 U	3.2 U	3.9 U	62 U	78 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	470 U	90 U	53 U	0.041 U	4 U	2.5 U	1.7 U	2.2 U
SW8270	100-01-6	4-NITROANILINE	2.8 U	18 U	1.9 U	2.5 U	2.9 U	56 U	61 U	55 U
SW8270	100-02-7	4-NITROPHENOL	450 U	2.4 U	2 U	2.5 U	2.5 U	3.2 U	58 U	53 U
SW8270	83-32-9	ACENAPHTHENE	2900 J	4.3 U	17 U	2.1 U	2.8 U	2.4 U	3.8 U	60 U
SW8270	208-96-8	ACENAPHTHYLENE	620 U	13 U	3.9 U	1.9 U	2 U	2.2 U	3 U	54 U
SW8270	98-86-2	ACETOPHENONE	510 U	70 U	54 U	5.2 U	4.6 U	16 U	2.2 U	11 U
SW8270	120-12-7	ANTHRACENE	910 J	2 U	22 U	2.6 U	70 U	62 U	71 U	50 U
SW8270	1912-24-9	ATRAZINE	0.37 U	2.7 U	2.2 U	2.4 U	6.5 U	54 U	59 U	43 U
SW8270	100-52-7	BENZALDEHYDE	530 U	77 U	76 U	67 U	5.9 U	2.1 U	16 U	2.3 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	44 U	1.9 U	2.4 U	85 U	77 U	63 U	61 U	46 U
SW8270	50-32-8	BENZO(A)PYRENE	71 U	2.3 U	3.4 U	60 U	76 U	59 U	62 U	310 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	110 U	4.7 U	1.9 U	69 U	71 U	51 U	64 U	47 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	65 U	2.9 U	4.2 U	70 U	55 U	61 U	50 U	53 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	85 U	2.3 U	3.4 U	67 U	74 U	61 U	49 U	64 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	79 U	2.3 U	2.2 U	5.8 U	68 U	60 U	53 U	59 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	2400 J	0.118 U	3.5 U	2.2 U	14 U	4.1 U	1.7 U	2.1 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	700 U	63 U	5.4 U	7.7 U	19 U	1.7 U	1.9 U	4 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	600 U	75 U	72 U	4.9 U	5.7 U	4.9 U	1.8 U	1.7 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	590 U	86 U	68 U	3.1 U	8.6 U	1.8 U	2.3 U	1.9 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	54 U	1.5 U	1.9 U	65 U	100 U	57 U	74 J	58 U
SW8270	105-60-2	CAPROLACTAM	840 U	7.9 U	5.3 U	5.4 U	2.9 U	2.1 U	4.1 U	2.6 U
SW8270	86-74-8	CARBAZOLE	94 U	2.5 U	1.4 U	1.9 U	73 U	80 U	66 U	60 U
SW8270	218-01-9	CHRYSENE	450 U	23 U	2.8 U	63 U	79 U	44 U	56 U	58 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	390 U	2.5 U	5.8 U	68 U	79 U	56 U	54 U	59 U
SW8270	132-64-9	DIBENZOFURAN	1600 J	2.4 U	2.1 U	2.2 U	2.4 U	3.1 U	61 U	57 U
SW8270	84-66-2	DIETHYL PHTHALATE	4.3 U	4.1 U	2.6 U	1.8 U	2.7 U	5.3 U	64 U	61 U
SW8270	131-11-3	DIMETHYL PHTHALATE	700 U	5.3 U	5.3 U	2.5 U	2.3 U	4.9 U	3.1 U	74 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	37 U	2.1 U	2.5 U	3.5 U	74 U	55 U	46 U	57 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	49 U	2.6 U	2.6 U	66 U	70 U	59 U	63 U	51 U
SW8270	206-44-0	FLUORANTHENE	110 U	13 U	4.5 U	3.4 U	77 U	57 U	59 U	53 U
SW8270	86-73-7	FLUORENE	2100 J	2.1 U	1.9 U	1.4 U	2.1 U	75 U	56 U	54 U
SW8270	118-74-1	HEXACHLOROBENZENE	0.036 U	2.7 U	2.5 U	5.4 U	2.7 U	59 U	58 U	61 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	560 U	8.9 U	5.3 U	2.3 U	2.9 U	2.3 U	2.2 U	2.1 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	540 UJ	6.3 UJ	13 UJ	2 UJ	2.1 UJ	20 UJ	4.8 UJ	1.7 UJ
SW8270	67-72-1	HEXACHLOROETHANE	450 U	85 U	3.2 U	5.3 U	2.5 U	2 U	2.2 U	1.8 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	30 U	5.5 U	2.4 U	65 U	86 U	54 U	62 U	45 U
SW8270	78-59-1	ISOPHORONE	630 U	110 U	7.5 U	5.1 U	4.4 U	2.4 U	11 U	20 U
SW8270	91-20-3	NAPHTHALENE	9800	3.8 U	0.099 U	3.5 U	2.2 U	1.9 U	20 U	2 U
SW8270	98-95-3	NITROBENZENE	530 U	55 U	5 U	5.3 U	6 U	2.4 U	1.9 U	1.6 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	3100 U	96 U	70 U	0.097 U	2.5 U	1.8 U	1.7 U	2 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	4.6 U	2.1 U	2.1 U	2.2 U	3.9 U	59 U	65 U	59 U
SW8270	87-86-5	PENTACHLOROPHENOL	0.086 U	2.6 U	2 U	2.8 U	4.7 U	58 U	61 U	55 U
SW8270	85-01-8	PHENANTHRENE	7500	2 U	1.8 U	1.9 U	95 U	61 U	63 U	58 U
SW8270	108-95-2	PHENOL	550 U	76 U	81 U	3.1 U	5.9 U	2.1 U	2.5 U	2.2 U
SW8270	129-00-0	PYRENE	120 U	2.6 U	2.2 U	2.4 U	75 U	58 U	62 U	55 U

			GP-033_062906 GP-033 0 0 6/29/2006 X3560 Soil	GP-034_062906 GP-034 0 0 6/29/2006 X3560 Soil	GP-035_062906 GP-035 0 0 6/29/2006 X3556 Soil	GP-036_062906 GP-036 0 0 6/29/2006 X3556 Soil	GP-037_062906 GP-037 0 0 6/29/2006 X3556 Soil	GP-038_062906 GP-038 0 0 6/29/2006 X3556 Soil	GP-039_062906 GP-039 0 0 6/29/2006 X3556 Soil	GP-040_063006 GP-040 0 0 6/30/2006 X3556 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.055 U	0.000426 U	0.000039 U	0.011 U	0.00128	0.0019 U	0.0023 U	0.0017 U
SW6010	7440-39-3	BARIUM	0.0398	0.0315	0.0294	0.0407	0.0613	0.0129 J	0.0235	0.019 J
SW6010	7440-43-9	CADMIUM	0.063 U	0.000036 U	0.000092 U	0.0068 U	0.024 U	0.0022 U	0.011 U	0.0013 U
SW6010	7440-47-3	CHROMIUM, TOTAL	0.00436 J-	0.00499 J-	0.00584 J-	0.00423 J-	0.0103 J-	0.00737 J-	0.00619 J-	0.00583 J-
SW6010	7439-92-1	LEAD	0.00225	0.00328	0.00127	0.000957	0.0129	0.00452	0.00152	0.00371
SW6010	7782-49-2	SELENIUM	0.05 U	0.000371 U	0.0049 U	0.002 U	0.000611 J	0.0016 U	0.0019 U	0.002 U
SW6010	7440-22-4	SILVER	0.064 U	0.000086 U	0.012 U	0.0047 U	0.0036 U	0.0021 U	0.0017 U	0.002 U
SW7471	7439-97-6	MERCURY	0.069 U	0.000013	0.000014 J	0.000009 J	0.000016 J	0.000063 J	0.021 U	0.0049 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	54 U	2.8 U	4.5 U	0.48 U		9.7 U	1.9 U	1.7 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	57 U	4.3 U	6.8 U	0.04 U		3.4 U	2 U	2.2 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	55 U	6.4 U	6 U	0.418 U		1.4 U	2.4 U	1.9 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	83 U	5.7 U	2.9 U	0.097 U	3.2 U	1.7 U	2.4 U	11 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	57 U	2.8 U	1.9 U	4.7 U	3.2 U	15 U	2.3 U	2.3 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	54 U	1.8 U	4.8 U	4.6 U	7.4 U	2.4 U	1.8 U	2 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	55 U	4.6 U	0.458 U	4.5 U	5.5 U	1.7 U	1.8 U	1.9 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	0.036 U	2.3 U	2.5 U	12 U	2.2 U	3.6 U	5 U	65 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	2.3 U	1.7 U	3.3 U	62 U	61 U	95 U	59 U	49 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-	40 U	59 U	3.9 U	3.8 U	2.3 U	3.5 U	1.2 U	2.2 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	3.1 U	1.6 U	21 U	5.1 U	3 U	93 U	60 U	72 U
SW8260	75-34-3	1,1-DICHLOROETHANE	6.4 U	0.426 U	1.9 U	2.5 U	2.2 U	3.1 U	1.7 U	5.5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	79 U	2.8 U	3.4 U	1.6 U	2.3 U	3.1 U	2.1 U	2.7 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	1.8 U	3.7 U	78 U	60 U	58 U	93 U	59 U	69 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	2.2 U	5.2 U	4 U	66 U	56 U	77 U	58 U	51 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	4.7 U	2.2 U	4.3 U	1.8 U	3.7 U	88 U	55 U	60 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	1.7 U	2.1 U	5.5 U	68 U	55 U	90 U	54 U	55 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.006 U	1.7 U	1.8 U	2 U	1.9 U	4.7 U	54 U	61 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	4.7 U	2.2 U	2 U	21 U	2.1 U	8.1 U	57 U	66 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE	2.2 U	3.1 U	3.2 U	64 U	62 U	66 U	57 U	62 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE	1.7 U	3 U	2.3 U	65 U	80 U	86 U	52 U	63 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE	2 U	20 U	1.4 U	2.3 U	2.1 U	90 U	77 U	66 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE	58 J	67 J	120 U	96 U	120 U	230 U	110 U	130 U
SW8260	71-43-2	BENZENE	0.086 U	2.2 U	1.8 U	2.2 U	2 U	4.8 U	73 U	57 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE	4.5 U	1.8 U	12 U	1.4 U	2.5 U	5.8 U	59 U	85 U
SW8260	75-25-2	BROMOFORM	1.9 U	1.7 U	2.4 U	4.1 U	53 U	92 U	57 U	64 U
SW8260	74-83-9	BROMOMETHANE	50 U	57 U	12 U	2.2 U	2.4 U	3.4 U	1.8 U	2.1 U
SW8260	75-15-0	CARBON DISULFIDE	46 U	6.4 U	2.2 U	17 U	8.6 J	2.5 U	1.9 U	2.4 U
SW8260	56-23-5	CARBON TETRACHLORIDE	1.8 U	0.086 U	1.9 U	1.8 U	1.6 U	3.3 U	3 U	59 U
SW8260	108-90-7	CHLOROBENZENE	1.5 U	2 U	2.1 U	1.8 U	55 U	95 U	58 U	54 U
SW8260	75-00-3	CHLOROETHANE	65 UJ	46 UJ	13 U	2.2 U	1.8 U	2.9 U	1.6 U	2.1 U
SW8260	67-66-3	CHLOROFORM	0.426 U	1.9 U	2.5 U	2 U	1.3 U	2.7 U	2.1 U	62 U
SW8260	74-87-3	CHLOROMETHANE	58 U	39 U	5 U	3.9 U	1.8 U	2.6 U	2.2 U	2.3 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	4.6 U	1.8 U	2 U	2.4 U	20 U	3.9 U	2.9 U	61 U

			GP-033_062906 GP-033 0 0 6/29/2006 X3560 Soil	GP-034_062906 GP-034 0 0 6/29/2006 X3560 Soil	GP-035_062906 GP-035 0 0 6/29/2006 X3556 Soil	GP-036_062906 GP-036 0 0 6/29/2006 X3556 Soil	GP-037_062906 GP-037 0 0 6/29/2006 X3556 Soil	GP-038_062906 GP-038 0 0 6/29/2006 X3556 Soil	GP-039_062906 GP-039 0 0 6/29/2006 X3556 Soil	GP-040_063006 GP-040 0 0 6/30/2006 X3556 Soil
method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	3.7 U	1.8 U	1.7 U	2.1 U	3 U	89 U	59 U	64 U
SW8260	110-82-7	CYCLOHEXANE	5.7 U	0.036 U	17 U	2.4 U	2 U	3 U	2.2 U	4 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	2 U	1.3 U	2.4 U	2.7 U	5.1 U	81 U	53 U	46 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	64 U	61 U	5 U	7.4 U	1.5 U	3.4 U	11 U	1.3 U
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE	1.8 U	1.9 U	5.1 U	3.3 U	58 U	120 U	66 U	65 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	2.3 U	2.3 U	1.8 U	84 U	58 U	100 U	49 U	64 U
SW8260	79-20-9	METHYL ACETATE	59 UJ	2.8 UJ	11 U	1.9 U	2.2 U	2 U	4.6 U	3.2 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	2.8 U	0.371 U	2.6 U	1.8 U	1.8 U	7.4 U	1.7 U	80 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	11 U	11 U	2.4 U	2.4 U	1.7 U	110 U	57 U	58 U
SW8260	108-87-2	METHYLCYCLOHEXANE	0.371 U	2.3 U	2.3 U	2.4 U	4 U	2.7 U	3.6 U	63 U
SW8260	75-09-2	METHYLENE CHLORIDE	24 J	33	3.8 U	14 J	13 J	22 J	2 U	11 J
SW8260	136777-61-2	M-P-XYLENE	15 U	4.7 U	2.3 U	3.2 U	58 U	84 U	61 U	62 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	2.4 U	2.1 U	2.7 U	2.3 U	61 U	86 U	42 U	57 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE	1.8 U	2.5 U	1.8 U	5.6 U	59 U	88 U	55 U	59 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	45 U	5.7 U	5.1 U	2.6 U	1.7 U	31 U	1.9 U	1.8 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	3.5 UJ	4 UJ	2.1 U	2.5 U	75 U	92 U	56 U	62 U
SW8260	108-88-3	TOLUENE	12 U	2.2 U	2.1 U	4.3 U	2.3 U	84 U	52 U	60 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	4.3 U	4.6 U	1.6 U	2.5 U	11 U	6.2 U	2.4 U	2.2 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	6.8 U	2 U	1.9 U	2.1 U	1.7 U	88 U	56 U	62 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	4.7 U	1.7 U	2.3 U	1.7 U	4.7 U	3.3 U	56 U	64 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	61 UJ	45 UJ	7.3 U	5.1 U	1.9 U	17 U	19 U	5 U
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE	62 U	79 U	4.8 U	3.4 U	15 U	2.6 U	1.9 U	4.3 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	57 U	55 U	63 U	53 U	58 U	130 U	53 U	66 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	54 U	53 U	58 U	58 U	63 U	85 U	54 U	70 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	2.3 U	66 U	65 U	65 U	59 U	96 U	58 U	59 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	2.5 U	57 U	63 U	56 U	46 U	92 U	61 U	90 U
SW8270	51-28-5	2,4-DINITROPHENOL	54 U	310 U	47 U	69 U	58 U	78 U	57 U	6.9 U
SW8270	121-14-2	2,4-DINITROTOLUENE	59 U	53 U	66 U	61 U	56 U	95 U	59 U	1.9 U
SW8270	606-20-2	2,6-DINITROTOLUENE	59 U	51 U	50 U	70 U	58 U	98 U	60 U	64 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	60 U	60 U	49 U	350 U	62 U	84 U	57 U	85 U
SW8270	95-57-8	2-CHLOROPHENOL	1.8 U	57 U	64 U	89 U	44 U	92 U	50 U	57 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	3.7 U	60 U	61 U	65 U	60 U	83 U	53 U	66 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	1.6 U	60 U	62 U	61 U	56 U	92 U	46 U	67 U
SW8270	88-74-4	2-NITROANILINE	58 U	46 U	61 U	50 U	71 U	85 U	61 U	62 U

			GP-033_062906 GP-033 0 0 6/29/2006 X3560 Soil	GP-034_062906 GP-034 0 0 6/29/2006 X3560 Soil	GP-035_062906 GP-035 0 0 6/29/2006 X3556 Soil	GP-036_062906 GP-036 0 0 6/29/2006 X3556 Soil	GP-037_062906 GP-037 0 0 6/29/2006 X3556 Soil	GP-038_062906 GP-038 0 0 6/29/2006 X3556 Soil	GP-039_062906 GP-039 0 0 6/29/2006 X3556 Soil	GP-040_063006 GP-040 0 0 6/30/2006 X3556 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	2.1 U	55 U	61 U	65 U	61 U	69 U	60 U	59 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	64 U	61 U	54 U	65 U	5.8 U	4.6 U	7.3 U	3.6 U
SW8270	99-09-2	3-NITROANILINE	61 U	47 U	68 U	64 U	56 U	90 U	39 U	3 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	58 U	70 U	63 U	61 U	51 U	70 U	2.7 U	0.093 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	60 U	54 U	61 U	62 U	70 U	4.3 U	4.5 U	4.8 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	5.2 U	50 U	64 U	52 U	45 U	92 U	56 U	63 U
SW8270	106-47-8	4-CHLOROANILINE	3.1 U	43 U	59 U	62 U	48 U	94 U	57 U	59 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	61 U	57 U	64 U	62 U	65 U	120 U	4.2 U	0.463 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	2.2 U	57 U	63 U	67 U	61 U	90 U	44 U	66 U
SW8270	100-01-6	4-NITROANILINE	55 U	61 U	74 U	65 U	63 U	71 U	5.6 U	0.403 U
SW8270	100-02-7	4-NITROPHENOL	55 U	44 U	63 U	79 U	55 U	100 U	45 U	6.1 U
SW8270	83-32-9	ACENAPHTHENE	78 U	64 U	330 U	69 U	85 U	95 U	78 U	4.6 U
SW8270	208-96-8	ACENAPHTHYLENE	57 U	58 U	54 U	60 U	55 U	83 U	64 U	49 U
SW8270	98-86-2	ACETOPHENONE	1.3 U	53 U	60 U	65 U	50 U	90 U	300 U	65 U
SW8270	120-12-7	ANTHRACENE	60 U	54 U	58 U	57 U	46 U	2.8 U	0.006 U	7 U
SW8270	1912-24-9	ATRAZINE	53 U	55 U	89 U	72 U	40 U	9.9 U	0.035 U	4.6 U
SW8270	100-52-7	BENZALDEHYDE	11 U	74 U	58 U	64 U	60 U	89 U	45 U	330 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	310 U	50 U	69 U	52 U	2.8 U	4.5 U	3.9 U	1.5 U
SW8270	50-32-8	BENZO(A)PYRENE	61 U	57 U	49 U	6.5 U	7.3 U	3.1 U	1.6 U	2.4 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	62 U	39 U	84 U	4.9 U	0.086 U	6.6 U	5 U	1.8 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	59 U	59 U	2.9 U	5.2 U	18 U	4.6 U	2.6 U	1.7 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	57 U	79 U	61 U	7.3 U	7.3 U	3.5 U	3.7 U	2 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	47 U	58 U	65 U	90 U	6.5 U	0.134 U	12 U	4.9 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	57 U	59 U	63 U	72 U	62 U	89 U	63 U	43 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.7 U	59 U	71 U	68 U	59 U	82 U	69 U	62 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	2 U	57 U	61 U	69 U	62 U	85 U	58 U	64 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	20 U	58 U	56 U	63 U	59 U	71 U	63 U	61 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	84 J	69 U	65 U	67 U	4.7 U	11 U	2500	110 J
SW8270	105-60-2	CAPROLACTAM	2.1 U	58 U	53 U	68 U	310 U	110 U	82 U	69 U
SW8270	86-74-8	CARBAZOLE	46 U	55 U	58 U	73 U	46 U	7.1 U	5 U	3.7 U
SW8270	218-01-9	CHRYSENE	44 U	64 U	73 U	51 U	1.8 U	4.4 U	3.3 U	1.8 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	70 U	45 U	63 U	2 U	17 U	2 U	16 U	2.2 U
SW8270	132-64-9	DIBENZOFURAN	57 U	59 U	56 U	67 U	56 U	110 U	44 U	3 U
SW8270	84-66-2	DIETHYL PHTHALATE	66 U	62 U	60 U	65 U	54 U	61 U	2.7 U	4.9 U
SW8270	131-11-3	DIMETHYL PHTHALATE	53 U	58 U	62 U	67 U	60 U	85 U	50 U	49 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	58 U	55 U	57 U	78 U	60 U	0.667 U	5 U	3.2 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	53 U	61 U	42 U	3.1 U	0.036 U	11 U	2.1 U	2.5 U
SW8270	206-44-0	FLUORANTHENE	58 U	53 U	68 U	69 U	2.8 U	0.056 U	4.8 U	2.1 U
SW8270	86-73-7	FLUORENE	43 U	61 U	65 U	94 U	59 U	89 U	6.3 U	0.039 U
SW8270	118-74-1	HEXACHLOROBENZENE	57 U	57 U	59 U	61 U	62 U	6.6 U	0.42 U	4.8 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	3 U	55 U	61 U	67 U	65 U	95 U	54 U	58 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	74 UJ	57 UJ	56 U	66 U	54 U	89 U	54 U	54 U
SW8270	67-72-1	HEXACHLOROETHANE	2 U	61 U	83 U	69 U	54 U	73 U	52 U	64 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	61 U	46 U	48 U	3.1 U	7 U	2 U	1.9 U	2.4 U
SW8270	78-59-1	ISOPHORONE	4.7 U	54 U	59 U	63 U	60 U	480 U	56 U	62 U
SW8270	91-20-3	NAPHTHALENE	1.7 U	61 U	46 U	60 U	52 U	88 U	53 U	59 U
SW8270	98-95-3	NITROBENZENE	1.9 U	78 U	57 U	48 U	56 U	99 U	61 U	58 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	4 U	59 U	65 U	75 U	58 U	79 U	59 U	75 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 U	59 U	57 U	62 U	66 U	92 U	1.8 U	0.007 U
SW8270	87-86-5	PENTACHLOROPHENOL	55 U	83 U	61 U	66 U	80 U	8.8 U	0.365 U	11 U
SW8270	85-01-8	PHENANTHRENE	59 U	57 U	58 U	70 U	58 U	4.3 U	0.085 U	12 U
SW8270	108-95-2	PHENOL	2.2 U	54 U	60 U	67 U	68 U	82 U	57 U	48 U
SW8270	129-00-0	PYRENE	51 U	63 U	62 U	45 U	4.4 U	0.58 U	12 U	2.1 U

			GP-041_063006 GP-041 0 0 6/30/2006 X3556 Soil	GP-042_063006 GP-042 0 0 6/30/2006 X3556 Soil	GP-043_063006 GP-043 0 0 6/30/2006 X3556 Soil	GP-044_063006 GP-044 0 0 6/30/2006 X3556 Soil	GP-045_063006 GP-045 0 0 6/30/2006 X3556 Soil	GP-046_063006 GP-046 0 0 6/30/2006 X3556 Soil	GP-047_063006 GP-047 0 0 6/30/2006 X3637 Soil	GP-048_063006 GP-048 0 0 6/30/2006 X3637 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.00298	0.00292		0.054 U	0.00273	0.067 U	0.0019	0.0023
SW6010	7440-39-3	BARIUM	0.701	0.19		0.0158 J	0.117	0.0336	0.103	0.107
SW6010	7440-43-9	CADMIUM	0.0019 U	0.005 U		0.061 U	0.063 U	0.065 U	0.061 U	0.00004 U
SW6010	7440-47-3	CHROMIUM, TOTAL	0.0145 J-	0.0332 J-		0.00447 J-	0.0119 J-	0.00482 J-	0.017	0.0169
SW6010	7439-92-1	LEAD	0.016	0.006		0.00119	0.00479	0.000821	0.0083	0.0071
SW6010	7782-49-2	SELENIUM	0.00129	0.00163		0.056 U	0.000952 J	0.064 U	0.0035	0.0017
SW6010	7440-22-4	SILVER	0.0033 U	0.0074 U		0.057 U	0.054 U	0.042 U	0.0012 J	0.0011 J
SW7471	7439-97-6	MERCURY	0.00001 J	0.000015 J		0.059 U	0.049 U	0.083 U	0.00002	0.000015
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)		1.6 U		3.8 U	62 U		58 UJ	3 UJ
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)		2.1 U		76 U	70 U		64 UJ	4.7 UJ
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)		1.6 U		56 U	45 U		23 UJ	7.1 UJ
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	4.4 U	2.8 U		58 U	58 U	88 U	78 UJ	6.3 UJ
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	2.2 U	2.8 U		59 U	61 U	58 U	99 UJ	3.1 UJ
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	2.1 U	2 U		62 U	52 U	58 U	57 UJ	2 UJ
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	5.2 U	4.8 U		60 U	60 U	56 U	95 UJ	5.1 UJ
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	82 U	63 U	2.1 U	64 U	46 U	42 U	68 U	65 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	320 U	79 U	63 U	70 U	71 U	7.3 U	52 U	63 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-	3.1 U	68 U	1.9 U	73 U	51 U	73 U	57 U	81 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	63 U	66 U	2.7 U	68 U	57 U	1.9 U	75 U	65 U
SW8260	75-34-3	1,1-DICHLOROETHANE	63 U	63 U	1.8 U	58 U	59 U	67 U	140 U	66 U
SW8260	75-35-4	1,1-DICHLOROETHENE	2.2 U	66 U	17 U	68 U	62 U	56 U	53 U	60 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	60 U	94 U	66 U	76 U	47 U	5.1 U	350 U	63 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	65 U	62 U	62 U	71 U	59 U	2.2 U	53 U	59 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	58 U	72 U	1.8 U	59 U	56 U	0.038 U	63 U	64 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	56 U	65 U	58 U	55 U	81 U	2.2 U	57 U	65 U
SW8260	107-06-2	1,2-DICHLOROETHANE	60 U	68 U	21 U	70 U	64 U	48 U	64 U	47 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	70 U	60 U	2.4 U	49 U	62 U	63 U	69 U	64 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE	47 U	67 U	66 U	64 U	63 U	3.9 U	65 U	68 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE	62 U	61 U	64 U	68 U	41 U	3.4 U	66 U	77 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE	60 U	58 U	1.8 U	77 U	86 U	4.8 U	69 U	66 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE	110 U	130 U	100 U	110 U	120 U	100 U		63 U
SW8260	71-43-2	BENZENE	58 U	56 U	1.7 U	52 U	54 U	60 U	59 U	68 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE	65 U	62 U	4.3 U	65 U	63 U	2.9 U	89 U	55 U
SW8260	75-25-2	BROMOFORM	49 U	69 U	60 U	60 U	52 U	12 U	67 U	58 U
SW8260	74-83-9	BROMOMETHANE	2.3 U	62 U	5.1 U	61 U	44 U	65 U	57 U	55 U
SW8260	75-15-0	CARBON DISULFIDE	3.8 U	64 U	1.9 U	61 U	54 U	58 U	51 U	63 U
SW8260	56-23-5	CARBON TETRACHLORIDE	60 U	75 U	2 U	66 U	48 U	53 U	62 U	60 U
SW8260	108-90-7	CHLOROBENZENE	63 U	50 U	3.2 U	61 U	56 U	0.091 U	56 U	56 U
SW8260	75-00-3	CHLOROETHANE	1.8 U	64 U	3.8 U	63 U	57 U	60 U	63 UJ	140 UJ
SW8260	67-66-3	CHLOROFORM	64 U	48 U	2.4 U	64 U	320 U	64 U	65 U	63 U
SW8260	74-87-3	CHLOROMETHANE	2.6 U	4.1 U	2.2 U	86 U	68 U	47 U	98 U	56 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	63 U	70 U	12 U	50 U	66 U	68 U	64 U	61 U

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method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	52 U	65 U	2.3 U	67 U	59 U	2.9 U	67 U	61 U
SW8260	110-82-7	CYCLOHEXANE	61 U	65 U	1.8 U	61 U	60 U	30 J	44 U	67 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	56 U	53 U	2.5 U	65 U	59 U	0.453 U	48 U	50 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	2.2 U	5.7 U	3.4 U	67 U	61 U	320 U	58 UJ	75 UJ
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE	48 U	67 U	2.3 U	92 U	55 U	58	68 U	52 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	67 U	70 U	63 U	59 U	66 U	36 J	67 U	68 U
SW8260	79-20-9	METHYL ACETATE	57 U	69 U	2.5 U	55 U	61 U	58 U	1300 U	64 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	55 U	67 U	2.3 U	65 U	52 U	65 U	83 U	86 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	45 U	67 U	2.1 U	58 U	72 U	4.5 U	61 U	66 U
SW8260	108-87-2	METHYLCYCLOHEXANE	57 U	65 U	2 U	56 U	61 U	250	65 U	73 U
SW8260	75-09-2	METHYLENE CHLORIDE	17 J	20 J	15 J	12 J	18 J	20 J	60 U	58 U
SW8260	136777-61-2	M-P-XYLENE	61 U	60 U	5.6 U	63 U	65 U	170	65 U	340 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	61 U	70 U	4 U	60 U	60 U	98 J	60 U	49 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE	53 U	64 U	81 U	60 U	63 U	4.8 U	62 U	66 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	78 U	67 U	2.1 U	64 U	57 U	88 U	76 U	66 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	62 U	350 U	3.3 U	63 U	56 U	0.394 U	65 UJ	64 UJ
SW8260	108-88-3	TOLUENE	58 U	68 U	2.1 U	68 U	61 U	11 J	63 U	63 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	60 U	61 U	2.4 U	63 U	47 U	56 U	56 U	63 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	61 U	52 U	5.1 U	63 U	55 U	6 U	64 U	58 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	62 U	65 U	1.4 U	340 U	58 U	47 U	67 U	61 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	3.1 U	65 U	1.6 U	65 U	59 U	65 U	150 U	43 U
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE	1.7 U	84 U	2.2 U	59 U	63 U	56 U	51 U	58 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	47 U	0.041 U		7 U	16 U	3.3 U	89 U	0.04 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	48 U	5.2 U		12 U	1.5 U	1.8 U	45 U	5.1 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	65 U	51 U		0.039 U	12 U	1.7 U	60 U	50 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	67 U	65 U		5 U	4.9 U	2.1 U	62 U	63 U
SW8270	51-28-5	2,4-DINITROPHENOL	0.037 U	2.9 U		16 U	1.9 U	63 U	3.1 U	340 U
SW8270	121-14-2	2,4-DINITROTOLUENE	5.2 U	4.4 U		2 U	1.9 U	60 U	0.04 U	58 U
SW8270	606-20-2	2,6-DINITROTOLUENE	2.9 U	11 U		3.6 U	1.7 U	57 U	4.8 U	56 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	2.9 U	4.4 U		3.2 U	1.8 U	2.3 U	52 U	66 U
SW8270	95-57-8	2-CHLOROPHENOL	62 U	62 U		63 U	4.4 U	2.6 U	70 U	60 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	83 U	3.1 U		4.6 U	2.1 U	2300	78 U	3.1 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	56 U	61 U		50 U	6.6 U	1.9 U	64 U	59 U
SW8270	88-74-4	2-NITROANILINE	4.5 U	4.4 U		2.1 U	2 U	5.5 U	51 U	50 U

			GP-041_063006 GP-041 0 0 6/30/2006 X3556 Soil	GP-042_063006 GP-042 0 0 6/30/2006 X3556 Soil	GP-043_063006 GP-043 0 0 6/30/2006 X3556 Soil	GP-044_063006 GP-044 0 0 6/30/2006 X3556 Soil	GP-045_063006 GP-045 0 0 6/30/2006 X3556 Soil	GP-046_063006 GP-046 0 0 6/30/2006 X3556 Soil	GP-047_063006 GP-047 0 0 6/30/2006 X3637 Soil	GP-048_063006 GP-048 0 0 6/30/2006 X3637 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	56 U	90 U		2 U	4.9 U	12 U	61 U	87 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	2.5 U	1.7 U		2 U	60 U	61 U	71 U	68 U
SW8270	99-09-2	3-NITROANILINE	1.9 U	6.4 U		1.5 U	1.8 U	60 U	7.2 U	52 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	4 U	2.3 U		1.7 U	4.2 U	58 U	130 U	77 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	2.2 U	1.8 U		1.9 U	2.6 U	62 U	100 U	59 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	42 U	6.5 U		4.8 U	2.1 U	2.1 U	73 U	6.3 U
SW8270	106-47-8	4-CHLOROANILINE	68 U	3.1 U		0.094 U	7.1 U	1.3 U	66 U	3 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	12 U	1.4 U		2.4 U	21 U	64 U	100 U	63 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	87 U	70 U		3 U	1.9 U	2.3 U	67 U	68 U
SW8270	100-01-6	4-NITROANILINE	7.5 U	14 U		1.7 U	2.3 U	57 U	120 U	68 U
SW8270	100-02-7	4-NITROPHENOL	0.089 U	1.9 U		2.5 U	11 U	61 U	2 U	49 U
SW8270	83-32-9	ACENAPHTHENE	4.8 U	3.4 U		1.8 U	2.3 U	410	85 J	170 J
SW8270	208-96-8	ACENAPHTHYLENE	6 U	10 U		4.9 U	2.3 U	78 U	3.1 U	64 U
SW8270	98-86-2	ACETOPHENONE	58 U	66 U		65 U	2.8 U	2.5 U	79 U	64 U
SW8270	120-12-7	ANTHRACENE	2 U	1.6 U		1.7 U	2.2 U	200 J	120 U	71 J
SW8270	1912-24-9	ATRAZINE	5.2 U	2.1 U		2.3 U	1.8 U	45 U	500 U	61 U
SW8270	100-52-7	BENZALDEHYDE	64 U	65 U		67 U	46 U	3.7 U	50 U	61 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	2.4 U	1.5 U		4.9 U	63 U	61 U	120 U	55 U
SW8270	50-32-8	BENZO(A)PYRENE	2.5 U	1.8 U		3.1 U	83 U	65 U	100 U	63 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	2 U	3.7 U		2.3 U	63 U	47 U	36 U	44 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	1.8 U	2.3 U		5.3 U	60 U	73 U	200 U	66 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	12 U	1.8 U		1.7 U	64 U	56 U	48 U	87 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	2.5 U	1.9 U		2 U	60 U	48 U	430 U	64 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	62 U	0.097 U		3.7 U	2.5 U	160 J	65 U	65 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	61 U	52 U		0.466 U	4.7 U	1.9 U	62 U	50 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	73 U	62 U		87 U	2.8 U	17 U	60 U	60 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	60 U	72 U		50 U	5.9 U	2 U	69 U	70 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	1.9 U	120 J		2.6 U	55 U	580	61 U	620
SW8270	105-60-2	CAPROLACTAM	64 U	7.3 U		4.8 U	3.3 U	4.3 U	57 U	7.1 U
SW8270	86-74-8	CARBAZOLE	17 U	2 U		20 U	5.4 U	60 U	94 U	60 U
SW8270	218-01-9	CHRYSENE	1.9 U	18 U		2.2 U	61 U	54 U	87 U	71 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	2 U	2 U		2.2 U	58 U	65 U	52 U	50 U
SW8270	132-64-9	DIBENZOFURAN	5.2 U	1.9 U		1.8 U	2.1 U	220 J	5.2 U	66 U
SW8270	84-66-2	DIETHYL PHTHALATE	5 U	3.3 U		2.3 U	1.7 U	63 U	50 U	68 U
SW8270	131-11-3	DIMETHYL PHTHALATE	6.7 U	4.2 U		2.1 U	2.4 U	4 U	67 U	64 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	2.7 U	1.7 U		1.3 U	3.9 U	56 U	77 U	60 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	2.4 U	2.1 U		1.7 U	60 U	320 U	90 U	67 U
SW8270	206-44-0	FLUORANTHENE	2 U	10 U		2.3 U	78 U	58 U	32 U	59 U
SW8270	86-73-7	FLUORENE	13 U	1.7 U		2.2 U	1.3 U	570	140 J	360 J
SW8270	118-74-1	HEXACHLOROBENZENE	2.2 U	2.1 U		11 U	1.8 U	70 U	48 U	63 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	73 U	4.9 U		0.007 U	3.8 U	2.4 U	70 U	4.7 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	60 U	2 U		11 U	3.6 U	1.8 U	69 U	2 U
SW8270	67-72-1	HEXACHLOROETHANE	57 U	73 U		7 U	0.037 U	1.8 U	65 U	71 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	2.2 U	4.4 U		3.1 U	57 U	60 U	48 U	50 U
SW8270	78-59-1	ISOPHORONE	58 U	45 U		3 U	0.007 U	2 U	94 U	44 U
SW8270	91-20-3	NAPHTHALENE	53 U	67 U		0.405 U	12 U	450	72 U	66 U
SW8270	98-95-3	NITROBENZENE	58 U	69 U		6.3 U	0.088 U	2.3 U	62 U	67 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	60 U	57 U		4.7 U	4.7 U	1.8 U	61 U	55 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	3.5 U	1.7 U		2.2 U	2.1 U	2000 J	87 U	65 U
SW8270	87-86-5	PENTACHLOROPHENOL	3.9 U	2 U		2 U	3.2 U	58 U	59 U	92 U
SW8270	85-01-8	PHENANTHRENE	1.6 U	1.6 U		1.9 U	3.1 U	1700	240 J	420
SW8270	108-95-2	PHENOL	65 U	61 U		44 U	61 U	1.6 U	67 U	92 U
SW8270	129-00-0	PYRENE	2.1 U	2.1 U		4.1 U	57 U	63 U	55 U	70 U

			GP-049_070506 GP-049 0 0 7/5/2006 X3636 Soil	GP-050_070506 GP-050 0 0 7/5/2006 X3636 Soil	GP-051_070506 GP-051 0 0 7/5/2006 X3636 Soil	GP-052_070506 GP-052 0 0 7/5/2006 X3636 Soil	GP-053_070506 GP-053 0 0 7/5/2006 X3636 Soil	GP-054_070506 GP-054 0 0 7/5/2006 X3636 Soil	GP-055_070506 GP-055 0 0 7/5/2006 X3636 Soil	GP-056_070506 GP-056 0 0 7/5/2006 X3636 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.0041	0.0014	0.0013	0.0013	0.0023	0.0026	0.0007 J	0.0027
SW6010	7440-39-3	BARIUM	0.179	0.0868	0.0066 J	0.0215 J	0.0815	0.189	0.0057 J	0.121
SW6010	7440-43-9	CADMIUM	0.1 U	0.0021 U	0.00009 J	0.6 U	0.0027 U	0.059 U	0.045 U	0.061 U
SW6010	7440-47-3	CHROMIUM, TOTAL	0.0091 J-	0.0165 J-	0.0022 J-	0.008 J-	0.0099 J-	0.0091 J-	0.0069 J-	0.0047 J-
SW6010	7439-92-1	LEAD	0.0152	0.0105	0.0027	0.0396	0.0084	0.01	0.0018	0.0064
SW6010	7782-49-2	SELENIUM	0.0027	0.003	0.00068 J	0.63 U	0.0015	0.002	0.00052 J	0.0026
SW6010	7440-22-4	SILVER	0.0015	0.002	0.056 U	0.67 U	0.00075 J	0.0012 J	0.057 U	0.00068 J
SW7471	7439-97-6	MERCURY	0.000065	0.000026	0.000008 J	0.000016	0.000027	0.000028	0.000008 J-	0.000024
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	6 U	2.2 U	110 U	670 U	4.1 U	43 U	60 U	50 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	2.9 U	2.2 U	86 U	760 U	3.6 U	55 U	60 U	67 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	4.8 U	5.2 U	61 U	650 U	2.3 U	58 U	46 U	60 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.04 U	3.8 U	36 U	590 U	2.3 U	50 U	58 U	70 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	48 U	1.6 U	48 U	630 U	5.4 U	60 U	59 U	64 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	33 P	2 U	100 U	600 U	4 U	57 U	51 U	68 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	38 U	17 U	47 U	910 U	1.7 U	53 U	47 U	69 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	35 U	4 U	3.3 U	67 U	53 U	62 U	63 U	80 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	56 U	61 U	64 U	58 U	60 U	5 U	4.7 U	5.4 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-	46 U	2.3 U	1.8 U	55 U	63 U	68 U	57 U	84 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	54 U	2.1 U	62 U	63 U	72 U	72 U	45 U	4.6 U
SW8260	75-34-3	1,1-DICHLOROETHANE	410 U	2 U	2.3 U	63 U	57 U	72 U	83 U	62 U
SW8260	75-35-4	1,1-DICHLOROETHENE	56 U	2.2 U	22 U	58 U	44 U	59 U	60 U	58 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	57 U	59 U	65 U	65 U	41 U	5.3 U	3.7 U	2.8 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	78 U	57 U	61 U	76 U	63 U	2.1 U	6.9 U	18 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	53 U	73 U	86 U	65 U	59 U	80 U	4.3 U	5.3 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	41 U	55 U	58 U	67 U	67 U	3.2 U	12 U	2 U
SW8260	107-06-2	1,2-DICHLOROETHANE	46 U	4.7 U	4.1 U	60 U	320 U	97 U	50 U	45 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	190 U	2.5 U	60 U	65 U	61 U	63 U	69 U	2.8 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE	53 U	78 U	55 U	68 U	64 U	7.4 U	4.6 U	4 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE	130 U	54 U	63 U	62 U	52 U	6.6 U	11 U	1.7 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE	91 U	5.1 U	66 U	58 U	61 U	58 U	59 U	0.04 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE	1300 U	110 U	82 U	54 U	120 U	190 U	130 U	160 U
SW8260	71-43-2	BENZENE	96 U	1.9 U	5.7 U	59 U	66 U	64 U	61 U	46 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE	56 U	1.7 U	63 U	73 U	55 U	64 U	61 U	4.3 U
SW8260	75-25-2	BROMOFORM	71 UJ	56 UJ	47 UJ	49 UJ	55 UJ	69 UJ	0.09 U	2.3 U
SW8260	74-83-9	BROMOMETHANE	390 J	1.8 U	2.4 U	51 U	59 U	69 U	59 U	54 U
SW8260	75-15-0	CARBON DISULFIDE	120 U	1.7 U	2.4 U	140 U	12 J	74 U	70 U	55 U
SW8260	56-23-5	CARBON TETRACHLORIDE	83 U	20 U	2.5 U	57 U	47 U	71 U	55 U	70 U
SW8260	108-90-7	CHLOROBENZENE	140 U	57 U	61 U	63 U	86 U	46 U	5.7 U	13 U
SW8260	75-00-3	CHLOROETHANE	83 UJ	1.9 U	2.2 U	38 UJ	61 UJ	53 UJ	53 UJ	58 UJ
SW8260	67-66-3	CHLOROFORM	86 U	2.2 U	3.4 U	65 U	60 U	69 U	53 U	40 U
SW8260	74-87-3	CHLOROMETHANE	98 U	15 U	2 U	55 U	56 U	64 U	310 U	70 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	59 U	1.2 U	1.9 U	62 U	60 U	81 U	55 U	62 U

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method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	95 U	3 U	58 U	54 U	63 U	68 U	46 U	1.8 U
SW8260	110-82-7	CYCLOHEXANE	68 U	1.8 U	2.8 U	65 U	61 U	66 U	57 U	51 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	47 U	3.7 U	67 U	60 U	55 U	75 U	2.7 U	5.3 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	48 UJ	1.8 U	2.4 U	49 UJ	81 UJ	61 UJ	64 UJ	62 UJ
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE	53 U	57 U	63 U	880	59 U	92 U	2.8 U	13 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	53 U	59 U	61 U	700 J	66 U	3.2 U	4.8 U	2.3 U
SW8260	79-20-9	METHYL ACETATE	74 U	1.8 U	2.2 U	81 U	62 U	52 U	54 U	54 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	110 U	1.6 U	1.9 U	63 U	62 U	70 U	54 U	65 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	61 U	2.3 U	63 U	47 U	64 U	64 U	39 U	6.4 U
SW8260	108-87-2	METHYLCYCLOHEXANE	46 U	2 U	2.3 U	1300	48 U	67 U	58 U	58 U
SW8260	75-09-2	METHYLENE CHLORIDE	31 U	15 U	28 UJ	59 U	21 U	69 U	57 U	64 U
SW8260	136777-61-2	M-P-XYLENE	49 U	59 U	65 U	2200	56 U	67 U	1.8 U	7.8 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	36 U	58 U	73 U	51 U	57 U	53 U	4.6 U	4.1 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE	48 U	52 U	68 U	340 U	57 U	52 U	0.04 U	3.6 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	89 U	2.2 U	4.4 U	43 U	51 U	360 U	59 U	55 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	59 U	54 U	59 U	50 U	57 U	71 U	6.4 U	5.1 U
SW8260	108-88-3	TOLUENE	22 U	1.7 U	66 U	60 U	59 U	62 U	79 U	5.7 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	53 U	2.2 U	5.2 U	62 U	55 U	61 U	55 U	59 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	74 U	3 U	64 U	63 U	63 U	74 U	57 U	2.8 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	50 U	2.1 U	81 U	62 U	46 U	67 U	64 U	60 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	100 U	2.3 U	2 U	74 U	69 U	67 U	62 U	56 U
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE	38 U	2.4 U	12 U	55 U	57 U	69 U	44 U	60 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	63 UJ-	60 UJ-	60 UJ-	3 UJ-	1.5 UJ-	2.2 UJ-	1.3 UJ-	2.6 UJ-
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	62 UJ-	57 UJ-	60 UJ-	6.2 UJ-	3.5 UJ-	1.7 UJ-	20 UJ-	1.9 UJ-
SW8270	120-83-2	2,4-DICHLOROPHENOL	45 UJ-	51 UJ-	77 UJ-	86 UJ-	4.4 UJ-	15 UJ-	1.7 UJ-	1.4 UJ-
SW8270	105-67-9	2,4-DIMETHYLPHENOL	70 UJ-	58 UJ-	67 UJ-	67 UJ-	4.6 UJ-	1.5 UJ-	2.2 UJ-	1.8 UJ-
SW8270	51-28-5	2,4-DINITROPHENOL	63 UJ-	54 UJ-	44 UJ-	630 UJ-	1.7 UJ-	2.2 UJ-	2.3 UJ-	64 UJ-
SW8270	121-14-2	2,4-DINITROTOLUENE	60 UJ-	53 UJ-	50 UJ-	570 UJ-	1.8 UJ-	1.9 UJ-	3 UJ-	65 UJ-
SW8270	606-20-2	2,6-DINITROTOLUENE	67 UJ-	55 UJ-	71 UJ-	810 UJ-	2.3 UJ-	1.6 UJ-	2.1 UJ-	4.3 UJ-
SW8270	91-58-7	2-CHLORONAPHTHALENE	61 UJ-	69 UJ-	70 UJ-	5 UJ-	15 UJ-	11 UJ-	4.1 UJ-	3.5 UJ-
SW8270	95-57-8	2-CHLOROPHENOL	61 UJ-	55 UJ-	64 UJ-	91 UJ-	47 UJ-	4.5 UJ-	4.8 UJ-	2.6 UJ-
SW8270	91-57-6	2-METHYLNAPHTHALENE	56 UJ-	53 UJ-	81 J-	19000 DJ-	2 UJ-	2.2 UJ-	1.8 UJ-	2.4 UJ-
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	55 UJ-	58 UJ-	56 UJ-	59 UJ-	61 UJ-	11 UJ-	3.5 UJ-	2.5 UJ-
SW8270	88-74-4	2-NITROANILINE	62 UJ-	59 UJ-	64 UJ-	0.04 UJ-	2.4 UJ-	2.2 UJ-	2 UJ-	3.4 UJ-

			GP-049_070506 GP-049 0 0 7/5/2006 X3636 Soil	GP-050_070506 GP-050 0 0 7/5/2006 X3636 Soil	GP-051_070506 GP-051 0 0 7/5/2006 X3636 Soil	GP-052_070506 GP-052 0 0 7/5/2006 X3636 Soil	GP-053_070506 GP-053 0 0 7/5/2006 X3636 Soil	GP-054_070506 GP-054 0 0 7/5/2006 X3636 Soil	GP-055_070506 GP-055 0 0 7/5/2006 X3636 Soil	GP-056_070506 GP-056 0 0 7/5/2006 X3636 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	62 UJ-	45 UJ-	63 UJ-	70 UJ-	0.04 UJ-	3.5 UJ-	2.3 UJ-	2.1 UJ-
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	68 UJ-	1.8 UJ-	48 UJ-	500 UJ-	3 UJ-	52 UJ-		60 UJ-
SW8270	99-09-2	3-NITROANILINE	320 UJ-	83 UJ-	76 UJ-	590 UJ-	2.3 UJ-	20 UJ-	2.6 UJ-	83 UJ-
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	57 UJ-	64 UJ-	7.1 UJ-	590 UJ-	1.6 UJ-	2.3 UJ-	55 UJ-	89 UJ-
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	58 UJ-	39 UJ-	3.1 UJ-	620 UJ-	1.2 UJ-	3 UJ-	58 UJ-	62 UJ-
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	61 UJ-	59 UJ-	92 UJ-	3 UJ-	3.1 UJ-	2.3 UJ-	2 UJ-	5.4 UJ-
SW8270	106-47-8	4-CHLOROANILINE	61 UJ-	64 UJ-	59 UJ-	50 UJ-	12 UJ-	1.8 UJ-	1.9 UJ-	4.6 UJ-
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	65 UJ-	58 UJ-	65 UJ-	650 UJ-	2.2 UJ-	2.1 UJ-	5.2 UJ-	64 UJ-
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	64 UJ-	57 UJ-	340 UJ-	58 UJ-	6.6 UJ-	3.6 UJ-	16 UJ-	2.5 UJ-
SW8270	100-01-6	4-NITROANILINE	62 UJ-	50 UJ-	4.7 UJ-	860 UJ-	1.8 UJ-	1.7 UJ-	74 UJ-	69 UJ-
SW8270	100-02-7	4-NITROPHENOL	56 UJ-	55 UJ-	87 UJ-	650 UJ-	1.7 UJ-	4 UJ-	1.7 UJ-	65 UJ-
SW8270	83-32-9	ACENAPHTHENE	47 UJ-	57 UJ-	67 UJ-	1100 J-	2.2 UJ-	1.2 UJ-	1.7 UJ-	61 UJ-
SW8270	208-96-8	ACENAPHTHYLENE	49 UJ-	57 UJ-	55 UJ-	0.09 UJ-	1.9 UJ-	1.8 UJ-	4.8 UJ-	5.9 UJ-
SW8270	98-86-2	ACETOPHENONE	63 UJ-	60 UJ-	70 UJ-	60 UJ-	4.4 UJ-	6.8 UJ-	1.8 UJ-	1.9 UJ-
SW8270	120-12-7	ANTHRACENE	58 UJ-	59 UJ-	100 UJ-	630 UJ-	4.7 UJ-	74 UJ-	60 UJ-	48 UJ-
SW8270	1912-24-9	ATRAZINE	60 UJ-	57 UJ-	5 UJ-	730 UJ-	3.9 UJ-	2.1 UJ-	58 UJ-	67 UJ-
SW8270	100-52-7	BENZALDEHYDE	60 UJ-	66 UJ-	66 UJ-	59 UJ-	82 UJ-	0.04 UJ-	3.2 UJ-	2 UJ-
SW8270	56-55-3	BENZO(A)ANTHRACENE	65 UJ-	4.6 UJ-	490 UJ-	630 UJ-	2.9 UJ-	57 UJ-	67 UJ-	62 UJ-
SW8270	50-32-8	BENZO(A)PYRENE	63 UJ-	13 UJ-	32 UJ-	650 UJ-	5.1 UJ-	57 UJ-	61 UJ-	57 UJ-
SW8270	205-99-2	BENZO(B)FLUORANTHENE	48 UJ-	5 UJ-	93 UJ-	3400 UJ-	5.3 UJ-	54 UJ-	58 UJ-	65 UJ-
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	6.7 UJ-	3.5 UJ-	70 UJ-	620 UJ-	7.7 UJ-	61 UJ-	55 UJ-	350 UJ-
SW8270	207-08-9	BENZO(K)FLUORANTHENE	48 UJ-	12 UJ-	76 UJ-	490 UJ-	5.3 UJ-	55 UJ-	50 UJ-	66 UJ-
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	53 UJ-	2.8 UJ-	100 UJ-	650 UJ-	1.7 UJ-	58 UJ-	58 UJ-	65 UJ-
SW8270	92-52-4	BIPHENYL (DIPHENYL)	48 UJ-	61 UJ-	59 UJ-	1600 J-	1.8 UJ-	1.8 UJ-	2.2 UJ-	1.9 UJ-
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	65 UJ-	58 UJ-	68 UJ-	43 UJ-	4.6 UJ-	1.8 UJ-	1.7 UJ-	22 UJ-
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	63 UJ-	43 UJ-	64 UJ-	60 UJ-	47 UJ-	4.6 UJ-	2 UJ-	2.6 UJ-
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	60 UJ-	49 UJ-	52 UJ-	60 UJ-	2.8 UJ-	12 UJ-	1.5 UJ-	1.9 UJ-
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	750 J-	420 J-	53 UJ-	110 J-	250 J-	61 UJ-	43 UJ-	67 UJ-
SW8270	105-60-2	CAPROLACTAM	63 UJ-	44 UJ-	61 UJ-	65 UJ-	3.6 UJ-	2.3 UJ-	2.2 UJ-	2.2 UJ-
SW8270	86-74-8	CARBAZOLE	56 UJ-	2.7 UJ-	40 UJ-	540 UJ-	2.1 UJ-	54 UJ-	62 UJ-	62 UJ-
SW8270	218-01-9	CHRYSENE	42 UJ-	0.04 UJ-	58 UJ-	640 UJ-	2.1 UJ-	59 UJ-	62 UJ-	67 UJ-
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	4.5 UJ-	4 UJ-	420 UJ-	680 UJ-	13 UJ-	66 UJ-	53 UJ-	72 UJ-
SW8270	132-64-9	DIBENZOFURAN	65 UJ-	55 UJ-	63 UJ-	630 UJ-	2.1 UJ-	2 UJ-	3.1 UJ-	67 UJ-
SW8270	84-66-2	DIETHYL PHTHALATE	64 UJ-	63 UJ-	50 UJ-	620 UJ-	11 UJ-	4.7 UJ-	2.1 UJ-	59 UJ-
SW8270	131-11-3	DIMETHYL PHTHALATE	54 UJ-	53 UJ-	68 UJ-	0.4 UJ-	1.8 UJ-	2 UJ-	2 UJ-	2.4 UJ-
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	67 UJ-	4.3 UJ-	120 UJ-	630 UJ-	2.5 UJ-	57 UJ-	79 UJ-	65 UJ-
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	61 UJ-	5.1 UJ-	120 UJ-	510 UJ-	3.7 UJ-	78 UJ-	56 UJ-	52 UJ-
SW8270	206-44-0	FLUORANTHENE	61 UJ-	6.4 UJ-	130 UJ-	580 UJ-	1.7 UJ-	57 UJ-	54 UJ-	56 UJ-
SW8270	86-73-7	FLUORENE	74 UJ-	61 UJ-	3 UJ-	2000 J-	2 UJ-	2.5 UJ-	3.8 UJ-	67 UJ-
SW8270	118-74-1	HEXACHLOROBENZENE	88 UJ-	79 UJ-	2 UJ-	650 UJ-	2.2 UJ-	3 UJ-	60 UJ-	64 UJ-
SW8270	87-68-3	HEXACHLOROBUTADIENE	52 UJ-	310 UJ-	63 UJ-	49 UJ-	6.7 UJ-	1.9 UJ-	11 UJ-	2.3 UJ-
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	58 UJ-	62 UJ-	60 UJ-	7 UJ-	4.7 UJ-	1.7 UJ-	1.6 UJ-	2.9 UJ-
SW8270	67-72-1	HEXACHLOROETHANE	57 UJ-	55 UJ-	65 UJ-	63 UJ-	2.9 UJ-	2 UJ-	1.8 UJ-	12 UJ-
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	2.9 UJ-	7.5 UJ-	55 UJ-	580 UJ-	13 UJ-	59 UJ-	58 UJ-	53 UJ-
SW8270	78-59-1	ISOPHORONE	60 UJ-	59 UJ-	68 UJ-	55 UJ-	4.7 UJ-	4.7 UJ-	2.3 UJ-	2.3 UJ-
SW8270	91-20-3	NAPHTHALENE	58 UJ-	47 UJ-	65 UJ-	2600 J-	11 UJ-	2.4 UJ-	2.2 UJ-	2.5 UJ-
SW8270	98-95-3	NITROBENZENE	58 UJ-	59 UJ-	58 UJ-	67 UJ-	1.9 UJ-	2 UJ-	1.9 UJ-	2.5 UJ-
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	83 UJ-	53 UJ-	49 UJ-	69 UJ-	5.9 UJ-	3.1 UJ-	2.5 UJ-	2.1 UJ-
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	61 UJ-	61 UJ-	6.3 UJ-	600 UJ-	19 UJ-	1.7 UJ-	57 UJ-	61 UJ-
SW8270	87-86-5	PENTACHLOROPHENOL	57 UJ-	45 UJ-	0.09 UJ-	470 UJ-	2 UJ-	5.1 UJ-	53 UJ-	75 UJ-
SW8270	85-01-8	PHENANTHRENE	58 UJ-	45 UJ-	50 UJ-	5500 DJ-	1.9 UJ-	3.7 UJ-	57 UJ-	69 UJ-
SW8270	108-95-2	PHENOL	61 UJ-	61 UJ-	50 UJ-	63 UJ-	59 UJ-	4.7 UJ-	2 UJ-	2.2 UJ-
SW8270	129-00-0	PYRENE	65 UJ-	5.7 UJ-	86 UJ-	600 UJ-	2.2 UJ-	60 UJ-	56 UJ-	68 UJ-

			GP-057_070506 GP-057 0 0 7/5/2006 X3636 Soil	GP-058_070506 GP-058 0 0 7/5/2006 X3636 Soil	GP-059_070506 GP-059 0 0 7/5/2006 X3636 Soil	GP-060_070506 GP-060 0 0 7/5/2006 X3636 Soil	GP-061_070606 GP-061 0 0 7/6/2006 X3636 Soil	GP-062_070606 GP-062 0 0 7/6/2006 X3636 Soil	GP-063_070606 GP-063 0 0 7/6/2006 X3636 Soil	GP-064_070606 GP-064 0 0 7/6/2006 X3636 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.0043	0.0026	0.0015	0.0014 U	0.00081 J	0.0013	0.00072 J	0.0014
SW6010	7440-39-3	BARIUM	0.241	0.0683	0.0213	0.0075 J	0.0038 J	0.0038 J	0.0044 J	0.0066 J
SW6010	7440-43-9	CADMIUM	0.076 U	0.0045 U	0.003 U	0.0001 J	0.0018 U	0.02 U	0.002 U	0.005 U
SW6010	7440-47-3	CHROMIUM, TOTAL	0.0163 J-	0.0068 J-	0.0039 J-	0.0161 J-	0.0019 J-	0.0035 J-	0.005 J-	0.0169 J-
SW6010	7439-92-1	LEAD	0.009	0.0072	0.0086	0.0024	0.0013	0.0021	0.0017	0.0019
SW6010	7782-49-2	SELENIUM	0.0021	0.00082 J	0.001 J	0.0019 U	0.011 U	0.0041 U	0.00058 J	0.052 U
SW6010	7440-22-4	SILVER	0.0013	0.00048 J	0.0002 J	0.0022 U	0.0023 U	0.0003 J	0.0016 U	0.055 U
SW7471	7439-97-6	MERCURY	0.000041	0.000037	0.000028	0.000011	0.000015	0.000009 J	0.000008 J	0.000009 J
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	64 U	60 U	0.35 U	6.7 U	1.8 U	1.7 U	1.7 U	4.6 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	68 U	78 U	210	3.6 U	16 U	1.7 U	1.5 U	2 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	65 U	44 U	31	3.1 U	2.5 U	2.2 U	19 U	2.4 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	99 U	59 U	4.5 U	2 U	1.8 U	1.9 U	1.2 U	1.6 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	68 U	2.7 U	4.3 U	2 U	2 U	11 U	2.1 U	2.2 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	64 U	5.6 U	3.1 J	4.7 U	2.4 U	2.2 U	3.8 U	1.6 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	65 U	2.7 U	11 U	3.4 U	2.4 U	2 U	1.9 U	2.9 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	3.1 U	6.7 U	2.1 U	3.8 U	2.2 U	57 U	62 U	59 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	2.8 U	1.8 U	54 U	59 U	61 U	57 U	65 U	58 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-	57 U	71 U	1.4 U	2.2 U	2.2 U	2.1 U	3.1 U	55 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	3.8 U	1.7 U	2 U	2 U	59 U	58 U	50 U	44 U
SW8260	75-34-3	1,1-DICHLOROETHANE	51 U	0.04 U	2.1 U	1.9 U	1.9 U	3.2 U	58 U	76 U
SW8260	75-35-4	1,1-DICHLOROETHENE	73 U	3.3 U	1.7 U	2.1 U	2 U	2 U	3 U	55 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	2.2 U	3.9 U	54 U	57 U	59 U	61 U	63 U	55 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	2.6 U	2.2 U	50 U	55 U	49 U	60 U	54 U	52 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	5.7 U	2.3 U	2.2 U	71 U	56 U	69 U	54 U	49 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	2 U	1.2 U	55 U	53 U	57 U	48 U	60 U	57 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.04 U	2 U	1.5 U	4.6 U	2.9 U	62 U	56 U	56 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	5.7 U	4.7 U	1.2 U	2.4 U	5.1 U	55 U	60 U	58 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE	2.6 U	1.6 U	55 U	76 U	42 U	62 U	310 U	59 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE	2 U	19 U	57 U	52 U	55 U	62 U	45 U	67 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE	2.4 U	1.9 U	2.4 U	5 U	57 U	59 U	61 U	56 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE	110 U	130 U	130 U	140 U	140 U	160 U	150 U	160 U
SW8260	71-43-2	BENZENE	5.1 U	3.1 U	1.7 U	1.9 U	3 U	60 U	55 U	53 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE	5.5 U	3.4 U	2.1 U	1.6 U	3.7 U	59 U	68 U	55 U
SW8260	75-25-2	BROMOFORM	2.3 U	2.2 U	70 UJ	55 UJ	58 UJ	60 UJ	52 UJ	60 UJ
SW8260	74-83-9	BROMOMETHANE	72 U	68 U	1.9 U	1.7 U	2.1 U	1.3 U	1.7 U	3.6 U
SW8260	75-15-0	CARBON DISULFIDE	69 U	7.6 U	2.3 U	1.6 U	1.6 U	2.2 U	5.2 U	56 U
SW8260	56-23-5	CARBON TETRACHLORIDE	4.8 U	4.4 U	2.1 U	19 U	2.1 U	5.4 U	53 U	55 U
SW8260	108-90-7	CHLOROBENZENE	1.8 U	1.7 U	2.9 U	55 U	60 U	45 U	60 U	62 U
SW8260	75-00-3	CHLOROETHANE	66 UJ	54 UJ	4.5 U	1.8 U	1.8 U	2.3 U	2.3 U	71 UJ
SW8260	67-66-3	CHLOROFORM	6.4 U	11 U	10 U	2.1 U	1.7 U	77 U	60 U	64 U
SW8260	74-87-3	CHLOROMETHANE	62 U	47 U	3 U	15 U	1.7 U	1.7 U	2.1 U	2 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	7.2 U	11 U	1.7 U	1.2 U	2.5 U	3.9 U	58 U	57 U

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method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	4.4 U	2.4 U	4.5 U	2.9 U	57 U	56 U	59 U	58 U
SW8260	110-82-7	CYCLOHEXANE	67 U	4.6 U	1.6 U	1.7 U	1.9 U	3.1 U	61 U	52 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	2.4 U	2.2 U	1.6 U	3.6 U	52 U	62 U	58 U	56 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	62 UJ	73 UJ	3.5 U	1.7 U	2.1 U	1.9 U	4.8 U	2.9 U
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE	2.1 U	1.7 U	2.8 U	55 U	77 U	58 U	61 U	300 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	2.8 U	2 U	52 U	57 U	66 U	55 U	48 U	55 U
SW8260	79-20-9	METHYL ACETATE	89 U	3.3 U	1.8 U	1.8 U	1.2 U	1.8 U	75 U	55 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	3.1 U	4.6 U	1.6 U	1.5 U	4.7 U	2.2 U	59 U	53 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	13 U	1.4 U	3.8 U	2.2 U	73 U	62 U	62 U	51 U
SW8260	108-87-2	METHYLCYCLOHEXANE	2 U	3.6 U	1.9 U	1.9 U	1.7 U	59 U	80 U	41 U
SW8260	75-09-2	METHYLENE CHLORIDE	65 U	17 U	15 U	13 U	12 U	16 U	55 U	57 U
SW8260	136777-61-2	M-P-XYLENE	19 U	2.1 U	2 U	58 U	53 U	60 U	46 U	43 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	2.9 U	1.8 U	4.9 U	56 U	55 U	52 U	59 U	57 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE	2.2 U	11 U	3.6 U	51 U	56 U	63 U	59 U	51 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	45 U	6.7 U	1.7 U	2.1 U	19 U	2.6 U	3.8 U	51 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	4.2 U	2.1 U	1.6 U	52 U	59 U	64 U	56 U	45 U
SW8260	108-88-3	TOLUENE	14 U	1.7 U	1.9 U	1.6 U	54 U	64 U	43 U	53 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	52 U	5.4 U	2.2 U	2.1 U	3.9 U	1.8 U	58 U	59 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	8.3 U	15 U	1.8 U	2.9 U	56 U	82 U	56 U	57 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5.7 U	2 U	19 U	2 U	2.1 U	60 U	58 U	48 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	69 U	54 U	3.3 U	2.2 U	11 U	4.1 U	1.7 U	53 U
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE	60 U	94 U	1.9 U	2.3 U	1.7 U	20 U	2.6 U	5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	68 UJ-	53 UJ-	61 UJ-	58 UJ-	82 UJ-	64 UJ-	46 UJ-	2.7 UJ-
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	65 UJ-	77 UJ-	45 UJ-	55 UJ-	54 UJ-	61 UJ-	58 UJ-	5.5 UJ-
SW8270	120-83-2	2,4-DICHLOROPHENOL	2.8 UJ-	56 UJ-	50 UJ-	49 UJ-	61 UJ-	57 UJ-	59 UJ-	76 UJ-
SW8270	105-67-9	2,4-DIMETHYLPHENOL	3 UJ-	73 UJ-	57 UJ-	56 UJ-	59 UJ-	56 UJ-	54 UJ-	59 UJ-
SW8270	51-28-5	2,4-DINITROPHENOL	64 UJ-	49 UJ-	67 UJ-	52 UJ-	50 UJ-	47 UJ-	4.6 UJ-	11 UJ-
SW8270	121-14-2	2,4-DINITROTOLUENE	70 UJ-	54 UJ-	55 UJ-	52 UJ-	60 UJ-	4.4 UJ-	0.09 UJ-	3 UJ-
SW8270	606-20-2	2,6-DINITROTOLUENE	71 UJ-	42 UJ-	54 UJ-	53 UJ-	63 UJ-	82 UJ-	5.8 UJ-	4.5 UJ-
SW8270	91-58-7	2-CHLORONAPHTHALENE	71 UJ-	56 UJ-	43 UJ-	67 UJ-	53 UJ-	67 UJ-	60 UJ-	4.4 UJ-
SW8270	95-57-8	2-CHLOROPHENOL	2.2 UJ-	2.1 UJ-	52 UJ-	53 UJ-	58 UJ-	320 UJ-	71 UJ-	52 UJ-
SW8270	91-57-6	2-METHYLNAPHTHALENE	4.5 UJ-	59 UJ-	86 J-	51 UJ-	53 UJ-	56 UJ-	40 UJ-	4.1 UJ-
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	1.9 UJ-	2.5 UJ-	53 UJ-	56 UJ-	59 UJ-	46 UJ-	60 UJ-	53 UJ-
SW8270	88-74-4	2-NITROANILINE	69 UJ-	58 UJ-	57 UJ-	57 UJ-	54 UJ-	72 UJ-	2.8 UJ-	0.03 UJ-

			GP-057_070506 GP-057 0 0 7/5/2006 X3636 Soil	GP-058_070506 GP-058 0 0 7/5/2006 X3636 Soil	GP-059_070506 GP-059 0 0 7/5/2006 X3636 Soil	GP-060_070506 GP-060 0 0 7/5/2006 X3636 Soil	GP-061_070606 GP-061 0 0 7/6/2006 X3636 Soil	GP-062_070606 GP-062 0 0 7/6/2006 X3636 Soil	GP-063_070606 GP-063 0 0 7/6/2006 X3636 Soil	GP-064_070606 GP-064 0 0 7/6/2006 X3636 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	2.5 UJ-	3.7 UJ-	47 UJ-	44 UJ-	44 UJ-	62 UJ-	56 UJ-	67 UJ-
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	76 UJ-	58 UJ-	44 UJ-	2.7 UJ-	4.7 UJ-	4.8 UJ-	1.8 UJ-	10 UJ-
SW8270	99-09-2	3-NITROANILINE	73 UJ-	55 UJ-	58 UJ-	80 UJ-	57 UJ-	60 UJ-	2.8 UJ-	4.3 UJ-
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	69 UJ-	58 UJ-	52 UJ-	62 UJ-	44 UJ-	4.8 UJ-	11 UJ-	1.4 UJ-
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	71 UJ-	46 UJ-	51 UJ-	59 UJ-	2.7 UJ-	0.09 UJ-	3.5 UJ-	15 UJ-
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	6.2 UJ-	56 UJ-	55 UJ-	57 UJ-	58 UJ-	57 UJ-	62 UJ-	2.6 UJ-
SW8270	106-47-8	4-CHLOROANILINE	3.7 UJ-	59 UJ-	57 UJ-	62 UJ-	60 UJ-	60 UJ-	51 UJ-	44 UJ-
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	73 UJ-	59 UJ-	79 UJ-	56 UJ-	78 UJ-	5.9 UJ-	4.5 UJ-	1.9 UJ-
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	2.7 UJ-	1.7 UJ-	63 UJ-	55 UJ-	58 UJ-	65 UJ-	56 UJ-	61 UJ-
SW8270	100-01-6	4-NITROANILINE	66 UJ-	57 UJ-	52 UJ-	49 UJ-	45 UJ-	1.9 UJ-	11 UJ-	3.4 UJ-
SW8270	100-02-7	4-NITROPHENOL	66 UJ-	57 UJ-	57 UJ-	53 UJ-	64 UJ-	62 UJ-	0.04 UJ-	6.6 UJ-
SW8270	83-32-9	ACENAPHTHENE	93 UJ-	57 UJ-	59 UJ-	55 UJ-	61 UJ-	48 UJ-	1.8 UJ-	11 UJ-
SW8270	208-96-8	ACENAPHTHYLENE	67 UJ-	61 UJ-	59 UJ-	55 UJ-	53 UJ-	41 UJ-	6.5 UJ-	4.5 UJ-
SW8270	98-86-2	ACETOPHENONE	1.5 UJ-	2.2 UJ-	56 UJ-	58 UJ-	57 UJ-	55 UJ-	58 UJ-	52 UJ-
SW8270	120-12-7	ANTHRACENE	71 UJ-	52 UJ-	62 UJ-	43 UJ-	1.8 UJ-	12 UJ-	3.4 UJ-	2.2 UJ-
SW8270	1912-24-9	ATRAZINE	63 UJ-	300 UJ-	56 UJ-	76 UJ-	6.3 UJ-	4.7 UJ-	1.9 UJ-	1.7 UJ-
SW8270	100-52-7	BENZALDEHYDE	13 UJ-	1.9 UJ-	57 UJ-	64 UJ-	57 UJ-	53 UJ-	58 UJ-	53 UJ-
SW8270	56-55-3	BENZO(A)ANTHRACENE	370 UJ-	53 UJ-	93 J-	1.7 UJ-	12 UJ-	3.6 UJ-	2.2 UJ-	2.1 UJ-
SW8270	50-32-8	BENZO(A)PYRENE	72 UJ-	54 UJ-	81 J-	4.6 UJ-	2.1 UJ-	1.9 UJ-	1.8 UJ-	2.1 UJ-
SW8270	205-99-2	BENZO(B)FLUORANTHENE	74 UJ-	53 UJ-	130 J-	0.08 UJ-	3.3 UJ-	2.5 UJ-	1.6 UJ-	19 UJ-
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	70 UJ-	68 UJ-	0.4 UJ-	11 UJ-	1.5 UJ-	2.2 UJ-	1.9 UJ-	1.9 UJ-
SW8270	207-08-9	BENZO(K)FLUORANTHENE	68 UJ-	54 UJ-	5.4 UJ-	4.6 UJ-	2.1 UJ-	1.8 UJ-	2.1 UJ-	1.2 UJ-
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	56 UJ-	69 UJ-	55 UJ-	5.5 UJ-	4.8 UJ-	2 UJ-	1.7 UJ-	1.8 UJ-
SW8270	92-52-4	BIPHENYL (DIPHENYL)	68 UJ-	55 UJ-	290 UJ-	59 UJ-	56 UJ-	52 UJ-	46 UJ-	1.7 UJ-
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	2.1 UJ-	54 UJ-	55 UJ-	56 UJ-	52 UJ-	60 UJ-	65 UJ-	38 UJ-
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	2.4 UJ-	4.7 UJ-	75 UJ-	41 UJ-	54 UJ-	67 UJ-	62 UJ-	55 UJ-
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	24 UJ-	1.7 UJ-	54 UJ-	48 UJ-	45 UJ-	62 UJ-	55 UJ-	53 UJ-
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	71 UJ-	54 UJ-	2.6 UJ-	0.03 UJ-	7.1 UJ-	1.8 UJ-	2.1 UJ-	1.7 UJ-
SW8270	105-60-2	CAPROLACTAM	2.6 UJ-	52 UJ-	44 UJ-	43 UJ-	69 UJ-	57 UJ-	70 UJ-	57 UJ-
SW8270	86-74-8	CARBAZOLE	54 UJ-	61 UJ-	66 UJ-	57 UJ-	4.5 UJ-	6.9 UJ-	1.4 UJ-	2.1 UJ-
SW8270	218-01-9	CHRYSENE	53 UJ-	57 UJ-	120 J-	4.4 UJ-	12 UJ-	1.5 UJ-	2.2 UJ-	1.9 UJ-
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	83 UJ-	61 UJ-	4.4 UJ-	11 UJ-	3.6 UJ-	2.3 UJ-	2.1 UJ-	1.9 UJ-
SW8270	132-64-9	DIBENZOFURAN	68 UJ-	52 UJ-	51 UJ-	53 UJ-	68 UJ-	2.9 UJ-	0.38 UJ-	3.5 UJ-
SW8270	84-66-2	DIETHYL PHTHALATE	79 UJ-	58 UJ-	53 UJ-	61 UJ-	39 UJ-	6.6 UJ-	4.5 UJ-	1.9 UJ-
SW8270	131-11-3	DIMETHYL PHTHALATE	63 UJ-	66 UJ-	50 UJ-	52 UJ-	54 UJ-	64 UJ-	4.3 UJ-	0.36 UJ-
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	69 UJ-	56 UJ-	58 UJ-	2.7 UJ-	0.04 UJ-	3.7 UJ-	1.7 UJ-	1.6 UJ-
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	63 UJ-	82 UJ-	4.1 UJ-	0.36 UJ-	3.8 UJ-	16 UJ-	1.6 UJ-	1.5 UJ-
SW8270	206-44-0	FLUORANTHENE	69 UJ-	60 UJ-	310 J-	4.1 UJ-	0.37 UJ-	3.2 UJ-	15 UJ-	1.6 UJ-
SW8270	86-73-7	FLUORENE	51 UJ-	45 UJ-	55 UJ-	59 UJ-	57 UJ-	2.9 UJ-	4.3 UJ-	4.6 UJ-
SW8270	118-74-1	HEXACHLOROBENZENE	68 UJ-	63 UJ-	61 UJ-	38 UJ-	4.2 UJ-	4.8 UJ-	3 UJ-	2.3 UJ-
SW8270	87-68-3	HEXACHLOROBUTADIENE	3.6 UJ-	57 UJ-	57 UJ-	300 UJ-	61 UJ-	56 UJ-	66 UJ-	43 UJ-
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	88 UJ-	60 UJ-	49 UJ-	60 UJ-	57 UJ-	66 UJ-	80 UJ-	6.2 UJ-
SW8270	67-72-1	HEXACHLOROETHANE	2.4 UJ-	2.9 UJ-	41 UJ-	53 UJ-	46 UJ-	63 UJ-	58 UJ-	59 UJ-
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	73 UJ-	57 UJ-	54 J-	4.4 UJ-	4.9 UJ-	2.3 UJ-	10 UJ-	3.8 UJ-
SW8270	78-59-1	ISOPHORONE	5.7 UJ-	5.1 UJ-	55 UJ-	58 UJ-	300 UJ-	73 UJ-	56 UJ-	62 UJ-
SW8270	91-20-3	NAPHTHALENE	2.1 UJ-	57 UJ-	52 UJ-	45 UJ-	56 UJ-	87 UJ-	62 UJ-	55 UJ-
SW8270	98-95-3	NITROBENZENE	2.3 UJ-	2.1 UJ-	53 UJ-	57 UJ-	63 UJ-	64 UJ-	55 UJ-	49 UJ-
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	4.8 UJ-	3 UJ-	59 UJ-	51 UJ-	50 UJ-	59 UJ-	85 UJ-	56 UJ-
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	59 UJ-	50 UJ-	52 UJ-	67 UJ-	59 UJ-	0.04 UJ-	6.6 UJ-	1.7 UJ-
SW8270	87-86-5	PENTACHLOROPHENOL	65 UJ-	44 UJ-	59 UJ-	55 UJ-	5.6 UJ-	4.6 UJ-	1.9 UJ-	1.8 UJ-
SW8270	85-01-8	PHENANTHRENE	70 UJ-	59 UJ-	290 J-	44 UJ-	2.7 UJ-	11 UJ-	4.6 UJ-	2.2 UJ-
SW8270	108-95-2	PHENOL	2.7 UJ-	1.9 UJ-	58 UJ-	59 UJ-	52 UJ-	49 UJ-	62 UJ-	80 UJ-
SW8270	129-00-0	PYRENE	60 UJ-	61 UJ-	230 J-	6.2 UJ-	4.9 UJ-	2 UJ-	2.3 UJ-	2.1 UJ-

			GP-065_070606 GP-065 0 0 7/6/2006 X3636 Soil	GP-066_070606 GP-066 0 0 7/6/2006 X3636 Soil	GP-067_070606 GP-067 0 0 7/6/2006 X3636 Soil	GP-068_070606 GP-068 0 0 7/6/2006 X3636 Soil	GP-069_070606 GP-069 0 0 7/6/2006 X3637 Soil	GP-070_070606 GP-070 0 0 7/6/2006 X3637 Soil	GP-071_070606 GP-071 0 0 7/6/2006 X3637 Soil	GP-072_070606 GP-072 0 0 7/6/2006 X3637 Soil
method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.0006 J	0.0014	0.001 J	0.0018	0.001 J	0.00096 J	0.00093 J	0.0011
SW6010	7440-39-3	BARIUM	0.0041 J	0.0033 J	0.0051 J	0.0097 J	0.0063 J	0.0122 J	0.0054 J	0.0052 J
SW6010	7440-43-9	CADMIUM	0.057 U	0.058 U	0.00003 U	0.00004 U	0.0049 U	0.002 U	0.0016 U	0.00006 J
SW6010	7440-47-3	CHROMIUM, TOTAL	0.0016 J-	0.0015 J-	0.0043 J-	0.0147 J-	0.0046	0.0032	0.0132	0.0011
SW6010	7439-92-1	LEAD	0.0013	0.0021	0.0022	0.0021	0.0023	0.0025	0.0024	0.002
SW6010	7782-49-2	SELENIUM	0.052 U	0.0004 J	0.00057 J	0.00039 U	0.012 U	0.0034 U	0.0021 U	0.00041 J
SW6010	7440-22-4	SILVER	0.00009 J	0.00008 J	0.00008 U	0.00009 U	0.012 U	0.0014 U	0.00016 J	0.08 U
SW7471	7439-97-6	MERCURY	0.000008 J	0.000017	0.000011	0.000016	0.0071 U	0.000053	0.000016	0.000014 J-
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	3.6 U	64 U	2.7 U	2.9 U	6.2 U	0.09 U	2.9 U	120 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	71 U	83 U	4.1 U	4.5 U	5.5 U	4.6 U	1.8 U	89 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	52 U	57 U	6.2 U	6.7 U	2.7 U	4.6 U	1.8 U	63 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	55 U	58 U	5.5 U	6 U	1.8 U	4.4 U	4.3 U	93 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	55 U	60 U	2.7 U	2.9 U	4.5 U	11 U	3.2 U	37 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	58 U	62 U	1.7 U	1.9 U	0.03 U	11 U	1.3 U	49 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	56 U	70 U	4.4 U	4.8 U	0.36 U	6.7 U	1.6 U	100 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	53 U	43 U	61 U	2.4 U	2.1 U	2.3 U	1.9 U	2.8 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	55 U	38 U	6.7 U	1.8 U	2.9 U	59 U	80 U	52 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-	76 U	48 U	54 U	3.8 U	3.6 U	1.5 U	2.1 U	1.7 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	57 U	53 U	53 U	1.7 U	1.2 U	2.2 U	5 U	50 U
SW8260	75-34-3	1,1-DICHLOROETHANE	53 U	56 U	60 U	1.5 U	15 U	2.3 U	1.8 U	4.3 U
SW8260	75-35-4	1,1-DICHLOROETHENE	52 U	58 U	49 U	3.3 U	3.1 U	1.8 U	1.6 U	1.5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	56 U	57 U	0.04 U	3.9 U	53 U	59 U	68 U	50 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	61 U	43 U	4.8 U	5.4 U	72 U	55 U	60 U	54 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	55 U	52 U	64 U	2.3 U	1.9 U	2.4 U	55 U	58 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	52 U	44 U	1.9 U	2.2 U	3.7 U	60 U	58 U	57 U
SW8260	107-06-2	1,2-DICHLOROETHANE	44 U	60 U	60 U	1.8 U	2.1 U	1.7 U	2.1 U	4.7 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	56 U	58 U	58 U	2.3 U	11 U	1.3 U	1.7 U	70 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
SW8260	541-73-1	1,3-DICHLOROBENZENE	52 U	76 U	6 U	3.2 U	2.1 U	60 U	55 U	55 U
SW8260	142-28-9	1,3-DICHLOROPROPANE								
SW8260	106-46-7	1,4-DICHLOROBENZENE	53 U	55 U	2.9 U	3.1 U	5.1 U	62 U	56 U	47 U
SW8260	594-20-7	2,2-DICHLOROPROPANE								
SW8260	95-49-8	2-CHLOROTOLUENE								
SW8260	591-78-6	2-HEXANONE	51 U	80 U	68 U	21 U	2.2 U	2.6 U	3.6 U	54 U
SW8260	106-43-4	4-CHLOROTOLUENE								
SW8260	67-64-1	ACETONE	130 U	150 U	130 U	110 U	110 U	140 U	90 U	98 U
SW8260	71-43-2	BENZENE	58 U	51 U	88 U	2.3 U	1.7 U	1.9 U	4.6 U	1.9 U
SW8260	108-86-1	BROMOBENZENE								
SW8260	74-97-5	BROMOCHLOROMETHANE								
SW8260	75-27-4	BROMODICHLOROMETHANE	49 U	59 U	58 U	1.9 U	2.2 U	2.3 U	2.2 U	51 U
SW8260	75-25-2	BROMOFORM	53 UJ	62 UJ	2.9 U	1.8 U	1.7 U	77 U	61 U	58 U
SW8260	74-83-9	BROMOMETHANE	55 U	41 U	48 U	12 U	11 U	2.1 U	1.9 U	9.9 U
SW8260	75-15-0	CARBON DISULFIDE	55 U	51 U	320 U	2.1 U	2 U	2.5 U	2.1 U	1.2 U
SW8260	56-23-5	CARBON TETRACHLORIDE	58 U	45 U	74 U	2.5 U	1.9 U	2.3 U	1.2 U	1.6 U
SW8260	108-90-7	CHLOROBENZENE	59 U	52 U	83 U	2.1 U	4.6 U	3.2 U	58 U	51 U
SW8260	75-00-3	CHLOROETHANE	57 UJ	53 UJ	61 UJ	12 U	11 U	4.9 U	2.2 U	2 U
SW8260	67-66-3	CHLOROFORM	51 U	300 U	57 U	2 U	2.3 U	11 U	3.9 U	1.6 U
SW8260	74-87-3	CHLOROMETHANE	56 U	64 U	62 U	4.9 U	4.6 U	3.3 U	2.4 U	2 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	55 U	62 U	62 U	1.9 U	2.2 U	1.9 U	2.1 U	2.1 U

			GP-065_070606 GP-065 0 0 7/6/2006 X3636 Soil	GP-066_070606 GP-066 0 0 7/6/2006 X3636 Soil	GP-067_070606 GP-067 0 0 7/6/2006 X3636 Soil	GP-068_070606 GP-068 0 0 7/6/2006 X3636 Soil	GP-069_070606 GP-069 0 0 7/6/2006 X3637 Soil	GP-070_070606 GP-070 0 0 7/6/2006 X3637 Soil	GP-071_070606 GP-071 0 0 7/6/2006 X3637 Soil	GP-072_070606 GP-072 0 0 7/6/2006 X3637 Soil
method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	43 U	55 U	65 U	1.9 U	19 U	4.9 U	2.1 U	55 U
SW8260	110-82-7	CYCLOHEXANE	56 U	56 U	64 U	1.9 U	2.4 U	1.7 U	1.6 U	1.9 U
SW8260	99-87-6	CYMENE								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	60 U	55 U	73 U	1.3 U	3.9 U	1.8 U	75 U	56 U
SW8260	74-95-3	DIBROMOMETHANE								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	58 UJ	57 UJ	58 UJ	4.9 U	4.6 U	3.8 U	15 U	1.5 U
SW8260	1330-20-7	DIMETHYL BENZENE								
SW8260	100-41-4	ETHYLBENZENE	67 U	61 U	61 U	2 U	2.1 U	3.1 U	61 U	52 U
SW8260	87-68-3	HEXACHLOROBUTADIENE								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	80 U	59 U	4.5 U	2.4 U	3 U	57 U	62 U	40 U
SW8260	79-20-9	METHYL ACETATE	64 U	57 U	63 U	5 U	3.4 U	2 U	11 U	3.7 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	48 U	49 U	65 U	16 U	1.7 U	1.8 U	19 U	2.3 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	45 U	67 U	56 U	11 U	2 U	4.1 U	1.7 U	54 U
SW8260	108-87-2	METHYLCYCLOHEXANE	57 U	57 U	58 U	2.4 U	1.6 U	2.1 U	1.9 U	2.7 U
SW8260	75-09-2	METHYLENE CHLORIDE	59 U	58 U	56 U	14 U	15 U	17 U	13 U	13 U
SW8260	136777-61-2	M-P-XYLENE	57 U	56 U	48 U	5 U	2.5 U	2.2 U	59 U	54 U
SW8260	91-20-3	NAPHTHALENE								
SW8260	104-51-8	N-BUTYLBENZENE								
SW8260	103-65-1	N-PROPYLBENZENE								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	52 U	59 U	48 U	2.2 U	1.7 U	5.4 U	53 U	56 U
SW8260	135-98-8	SEC-BUTYLBENZENE								
SW8260	100-42-5	STYRENE	55 U	48 U	63 U	2.6 U	2.2 U	3.9 U	58 U	63 U
SW8260	98-06-6	T-BUTYLBENZENE								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	57 U	53 U	47 U	2.1 U	4.6 U	1.8 U	1.8 U	2 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	58 U	53 U	42 U	4.2 U	1.9 U	1.8 U	58 U	74 U
SW8260	108-88-3	TOLUENE	62 U	57 U	67 U	2.3 U	1.8 U	2.1 U	3 U	54 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	41 U	44 U	65 U	3.7 U	1.7 U	2.4 U	1.9 U	1.8 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	300 U	52 U	61 U	2.1 U	1.6 U	2 U	2.9 U	57 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	56 U	55 U	57 U	1.8 U	1.8 U	20 U	2.5 U	3.4 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	59 U	56 U	61 U	7.2 U	6.7 U	3.6 U	2.2 U	1.8 U
SW8260	108-05-4	VINYL ACETATE								
SW8260	75-01-4	VINYL CHLORIDE	51 U	59 U	63 U	4.7 U	4.4 U	2.1 U	1.7 U	1.7 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE								
SW8270	95-50-1	1,2-DICHLOROBENZENE								
SW8270	541-73-1	1,3-DICHLOROBENZENE								
SW8270	106-46-7	1,4-DICHLOROBENZENE								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	6.6 UJ-	2.5 UJ-	53 UJ-	58 UJ-	58 U	67 U	62 U	51 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	11 UJ-	16 UJ-	51 UJ-	56 UJ-	58 U	49 U	62 U	54 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	2.7 UJ-	3.8 UJ-	64 UJ-	70 UJ-	42 U	55 U	48 U	57 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	6.1 UJ-	12 UJ-	55 UJ-	60 UJ-	65 U	62 U	59 U	59 U
SW8270	51-28-5	2,4-DINITROPHENOL	15 UJ-	1.9 UJ-	300 UJ-	320 UJ-	58 U	73 U	56 U	65 U
SW8270	121-14-2	2,4-DINITROTOLUENE	1.8 UJ-	2.1 UJ-	51 UJ-	56 UJ-	55 U	60 U	65 U	75 U
SW8270	606-20-2	2,6-DINITROTOLUENE	3.4 UJ-	1.8 UJ-	49 UJ-	54 UJ-	62 U	59 U	85 U	58 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	3 UJ-	2 UJ-	58 UJ-	63 UJ-	56 U	46 U	60 U	52 U
SW8270	95-57-8	2-CHLOROPHENOL	67 UJ-	5.5 UJ-	55 UJ-	60 UJ-	56 U	56 U	59 U	43 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	4.3 UJ-	1.5 UJ-	58 UJ-	63 UJ-	51 U	61 U	63 U	52 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	59 UJ-	2.7 UJ-	58 UJ-	63 UJ-	51 U	58 U	50 U	55 U
SW8270	88-74-4	2-NITROANILINE	1.9 UJ-	2.4 UJ-	44 UJ-	48 UJ-	57 U	62 U	55 U	51 U

			GP-065_070606 GP-065 0 0 7/6/2006 X3636 Soil	GP-066_070606 GP-066 0 0 7/6/2006 X3636 Soil	GP-067_070606 GP-067 0 0 7/6/2006 X3636 Soil	GP-068_070606 GP-068 0 0 7/6/2006 X3636 Soil	GP-069_070606 GP-069 0 0 7/6/2006 X3637 Soil	GP-070_070606 GP-070 0 0 7/6/2006 X3637 Soil	GP-071_070606 GP-071 0 0 7/6/2006 X3637 Soil	GP-072_070606 GP-072 0 0 7/6/2006 X3637 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	4.1 UJ-	12 UJ-	53 UJ-	58 UJ-	58 U	52 U	59 U	50 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	1.9 UJ-	5.4 UJ-	59 UJ-	65 UJ-	63 U	47 U	1.8 U	89 U
SW8270	99-09-2	3-NITROANILINE	1.4 UJ-	1.8 UJ-	45 UJ-	49 UJ-	300 U	63 U	58 U	48 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	1.6 UJ-	2.3 UJ-	67 UJ-	74 UJ-	52 U	57 U	70 U	2.6 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	1.8 UJ-	2.1 UJ-	52 UJ-	57 UJ-	54 U	56 U	40 U	6 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	4.5 UJ-	3.7 UJ-	48 UJ-	52 UJ-	56 U	60 U	54 U	54 U
SW8270	106-47-8	4-CHLOROANILINE	4.4 UJ-	2.1 UJ-	41 UJ-	45 UJ-	56 U	62 U	310 U	66 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	2.2 UJ-	1.7 UJ-	55 UJ-	60 UJ-	60 U	87 U	63 U	43 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	55 UJ-	0.03 UJ-	55 UJ-	60 UJ-	59 U	69 U	54 U	44 U
SW8270	100-01-6	4-NITROANILINE	1.6 UJ-	1.3 UJ-	59 UJ-	65 UJ-	58 U	56 U	66 U	56 U
SW8270	100-02-7	4-NITROPHENOL	2.3 UJ-	11 UJ-	43 UJ-	47 UJ-	51 U	62 U	56 U	58 U
SW8270	83-32-9	ACENAPHTHENE	1.7 UJ-	2.3 UJ-	62 UJ-	67 UJ-	43 U	64 U	55 U	61 U
SW8270	208-96-8	ACENAPHTHYLENE	4.6 UJ-	2.3 UJ-	56 UJ-	61 UJ-	46 U	65 U	56 U	55 U
SW8270	98-86-2	ACETOPHENONE	76 UJ-	4.4 UJ-	51 UJ-	55 UJ-	58 U	61 U	58 U	48 U
SW8270	120-12-7	ANTHRACENE	1.5 UJ-	1.8 UJ-	52 UJ-	57 UJ-	53 U	67 U	60 U	0.08 U
SW8270	1912-24-9	ATRAZINE	2.1 UJ-	5 UJ-	53 UJ-	58 UJ-	56 U	60 U	58 U	2.6 U
SW8270	100-52-7	BENZALDEHYDE	59 UJ-	2.7 UJ-	0.39 UJ-	78 UJ-	55 U	62 U	62 U	52 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	4.6 UJ-	3.9 UJ-	48 UJ-	53 UJ-	67 U	62 U	4.6 U	110 U
SW8270	50-32-8	BENZO(A)PYRENE	2.9 UJ-	61 UJ-	55 UJ-	61 UJ-	44 U	1.9 U	10 U	33 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	2.2 UJ-	60 UJ-	38 UJ-	42 UJ-	56 U	5.9 U	4.3 U	96 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	5 UJ-	63 UJ-	57 UJ-	63 UJ-	4.2 U	0.38 U	3.3 U	73 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	1.6 UJ-	63 UJ-	76 UJ-	83 UJ-	44 U	2.9 U	4.1 U	79 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	1.9 UJ-	2.2 UJ-	56 UJ-	61 UJ-	49 U	47 U	2.8 U	140 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	3.5 UJ-	1.9 UJ-	57 UJ-	62 UJ-	44 U	320 U	71 U	52 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5.5 UJ-	7.2 UJ-	57 UJ-	62 UJ-	60 U	60 U	52 U	54 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	62 UJ-	6.2 UJ-	55 UJ-	60 UJ-	58 U	82 U	56 U	56 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	38 UJ-	1.7 UJ-	56 UJ-	61 UJ-	55 U	59 U	61 U	55 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	2.4 UJ-	57 UJ-	110 J-	73 UJ-	39 U	90 J	0.38 U	60 U
SW8270	105-60-2	CAPROLACTAM	4.5 UJ-	5 UJ-	56 UJ-	61 UJ-	59 U	47 U	60 U	51 U
SW8270	86-74-8	CARBAZOLE	19 UJ-	2.4 UJ-	53 UJ-	58 UJ-	52 U	64 U	2.8 U	52 U
SW8270	218-01-9	CHRYSENE	2 UJ-	78 UJ-	62 UJ-	68 UJ-	60 U	2.9 U	0.04 U	50 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	2 UJ-	60 UJ-	43 UJ-	48 UJ-	2.7 U	0.04 U	6.2 U	440 U
SW8270	132-64-9	DIBENZOFURAN	1.7 UJ-	2.3 UJ-	57 UJ-	63 UJ-	60 U	56 U	54 U	37 U
SW8270	84-66-2	DIETHYL PHTHALATE	2.2 UJ-	1.9 UJ-	60 UJ-	65 UJ-	59 U	57 U	59 U	54 U
SW8270	131-11-3	DIMETHYL PHTHALATE	1.9 UJ-	2.4 UJ-	56 UJ-	61 UJ-	50 U	55 U	58 U	60 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	1.2 UJ-	78 J-	66 J-	58 UJ-	62 U	41 U	4.3 U	110 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	1.6 UJ-	60 UJ-	59 UJ-	64 UJ-	77 U	6.7 U	4.3 U	55 U
SW8270	206-44-0	FLUORANTHENE	2.1 UJ-	3.2 UJ-	52 UJ-	56 UJ-	57 U	82 U	6.5 U	41 U
SW8270	86-73-7	FLUORENE	2.1 UJ-	21 UJ-	58 UJ-	64 UJ-	68 U	60 U	51 U	43 U
SW8270	118-74-1	HEXACHLOROBENZENE	10 UJ-	2 UJ-	55 UJ-	61 UJ-	81 U	66 U	80 U	5.3 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.03 UJ-	2.1 UJ-	53 UJ-	58 UJ-	48 U	62 U	45 U	56 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	11 UJ-	1.9 UJ-	55 UJ-	60 UJ-	54 U	53 U	58 U	79 U
SW8270	67-72-1	HEXACHLOROETHANE	43 UJ-	4.9 UJ-	59 UJ-	64 UJ-	53 U	45 U	60 U	290 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	2.9 UJ-	55 UJ-	44 UJ-	48 UJ-	58 U	4.8 U	11 U	57 U
SW8270	78-59-1	ISOPHORONE	2.6 UJ-	4.7 UJ-	52 UJ-	57 UJ-	56 U	60 U	46 U	56 U
SW8270	91-20-3	NAPHTHALENE	1.7 UJ-	3.3 UJ-	59 UJ-	65 UJ-	54 U	57 U	65 U	58 U
SW8270	98-95-3	NITROBENZENE	57 UJ-	4.9 UJ-	76 UJ-	83 UJ-	54 U	58 U	61 U	42 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	44 UJ-	0.08 UJ-	57 UJ-	63 UJ-	76 U	64 U	56 U	61 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	2.1 UJ-	4.2 UJ-	57 UJ-	62 UJ-	56 U	57 U	62 U	4 U
SW8270	87-86-5	PENTACHLOROPHENOL	1.9 UJ-	2.2 UJ-	80 UJ-	88 UJ-	53 U	64 U	46 U	1.7 U
SW8270	85-01-8	PHENANTHRENE	1.7 UJ-	2.6 UJ-	55 UJ-	60 UJ-	53 U	52 U	46 U	4.3 U
SW8270	108-95-2	PHENOL	49 UJ-	4.1 UJ-	0.09 UJ-	57 UJ-	56 U	64 U	44 U	56 U
SW8270	129-00-0	PYRENE	3.8 UJ-	3.1 UJ-	61 UJ-	67 UJ-	60 U	60 U	5.8 U	120 U

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method	cas_rn	chemical_name								
SW6010	7440-38-2	ARSENIC	0.0076 B	0.0063 B	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
SW6010	7440-39-3	BARIUM	0.174 B	0.0932 B	0.165 B	0.106 B	0.565	0.132 B	0.104 B	0.0813 B
SW6010	7440-43-9	CADMIUM	0.00098 B	0.00042 B	0.00015 B	0.00025 B	0.00016 B	0.0001 U	0.0001 U	0.0002 B
SW6010	7440-47-3	CHROMIUM, TOTAL	0.0023 B	0.0029 B	0.0025 B	0.0014 B	0.0013 B	0.0021 B	0.0016 B	0.0015 B
SW6010	7439-92-1	LEAD	6.42	0.743	0.91	0.406	0.0282	0.0304	0.0189	0.133
SW6010	7782-49-2	SELENIUM	0.00098 U	0.00098 U	0.0033 B	0.00098 U	0.0014 B	0.013 B	0.0059 B	0.0046 B
SW6010	7440-22-4	SILVER	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U
SW7471	7439-97-6	MERCURY	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	34 U	34 U	36 U	35 U	42 U	34 U	34 U	35 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-								
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	591-78-6	2-HEXANONE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	67-64-1	ACETONE	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ	5 UJ
SW8260	71-43-2	BENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	108-86-1	BROMOBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-25-2	BROMOFORM	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	74-83-9	BROMOMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-00-3	CHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	67-66-3	CHLOROFORM	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U

			GP-073_070606 GP-073 0 0 7/6/2006 E0960 Soil	GP-074_070606 GP-074 0 0 7/6/2006 E0960 Soil	GP-075_070606 GP-075 0 0 7/6/2006 E0960 Soil	GP-076_070606 GP-076 0 0 7/6/2006 E0960 Soil	GP-077_070606 GP-077 0 0 7/6/2006 E0960 Soil	GP-078_070606 GP-078 0 0 7/6/2006 E0960 Soil	GP-079_070706 GP-079 0 0 7/7/2006 E0960 Soil	GP-080_070706 GP-080 0 0 7/7/2006 E0960 Soil
method	cas_rn	chemical_name								
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	110-82-7	CYCLOHEXANE								
SW8260	99-87-6	CYMENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	100-41-4	ETHYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	79-20-9	METHYL ACETATE								
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE								
SW8260	75-09-2	METHYLENE CHLORIDE	3 J	5 U	2 J	5 U	3 J	5 U	5 U	3 J
SW8260	136777-61-2	M-P-XYLENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	91-20-3	NAPHTHALENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	104-51-8	N-BUTYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	103-65-1	N-PROPYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	100-42-5	STYRENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	108-88-3	TOLUENE	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	108-05-4	VINYL ACETATE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8260	75-01-4	VINYL CHLORIDE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	51-28-5	2,4-DINITROPHENOL	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	121-14-2	2,4-DINITROTOLUENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	606-20-2	2,6-DINITROTOLUENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	95-57-8	2-CHLOROPHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	88-74-4	2-NITROANILINE	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U

			GP-073_070606 GP-073 0 0 7/6/2006 E0960 Soil	GP-074_070606 GP-074 0 0 7/6/2006 E0960 Soil	GP-075_070606 GP-075 0 0 7/6/2006 E0960 Soil	GP-076_070606 GP-076 0 0 7/6/2006 E0960 Soil	GP-077_070606 GP-077 0 0 7/6/2006 E0960 Soil	GP-078_070606 GP-078 0 0 7/6/2006 E0960 Soil	GP-079_070706 GP-079 0 0 7/7/2006 E0960 Soil	GP-080_070706 GP-080 0 0 7/7/2006 E0960 Soil
method	cas_rn	chemical_name								
SW8270	88-75-5	2-NITROPHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	99-09-2	3-NITROANILINE	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	106-47-8	4-CHLOROANILINE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	100-01-6	4-NITROANILINE	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	100-02-7	4-NITROPHENOL	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	83-32-9	ACENAPHTHENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	208-96-8	ACENAPHTHYLENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	98-86-2	ACETOPHENONE								
SW8270	120-12-7	ANTHRACENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	1912-24-9	ATRAZINE								
SW8270	100-52-7	BENZALDEHYDE								
SW8270	56-55-3	BENZO(A)ANTHRACENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	50-32-8	BENZO(A)PYRENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	57 J	59 J	100 J	96 J	150 J	95 J	62 J	63 J
SW8270	105-60-2	CAPROLACTAM								
SW8270	86-74-8	CARBAZOLE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	218-01-9	CHRYSENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	132-64-9	DIBENZOFURAN	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	84-66-2	DIETHYL PHTHALATE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	131-11-3	DIMETHYL PHTHALATE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	206-44-0	FLUORANTHENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	86-73-7	FLUORENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	118-74-1	HEXACHLOROBENZENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	67-72-1	HEXACHLOROETHANE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	78-59-1	ISOPHORONE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	91-20-3	NAPHTHALENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	98-95-3	NITROBENZENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	87-86-5	PENTACHLOROPHENOL	700 U	700 U	720 U	720 U	840 U	700 U	700 U	710 U
SW8270	85-01-8	PHENANTHRENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	108-95-2	PHENOL	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U
SW8270	129-00-0	PYRENE	340 U	340 U	350 U	350 U	410 U	340 U	340 U	350 U

			GP-081_070706 GP-081 0 0 7/7/2006 E0960 Soil	GP-082_070706 GP-082 0 0 7/7/2006 E0960 Soil	GP-083_070706 GP-083 0 0 7/7/2006 E0960 Soil	GP-084_070706 GP-084 0 0 7/7/2006 E0960 Soil	GP-085_070706 GP-085 0 0 7/7/2006 E0960 Soil	GP-086_070706 GP-086 0 0 7/7/2006 E0960 Soil
method	cas_rn	chemical_name						
SW6010	7440-38-2	ARSENIC	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
SW6010	7440-39-3	BARIUM	1.22	1.65	1.02	0.391	0.18 B	0.947
SW6010	7440-43-9	CADMIUM	0.00034 B	0.0012 B	0.0001 U	0.00092 B	0.0001 U	0.0001 U
SW6010	7440-47-3	CHROMIUM, TOTAL	0.038	0.0032 B	0.00098 B	0.00092 B	0.0015 B	0.00059 B
SW6010	7439-92-1	LEAD	0.0268	0.002 B	0.0034 B	0.002 B	0.0027 B	0.0097 B
SW6010	7782-49-2	SELENIUM	0.0059 B	0.0035 B	0.0055 B	0.0013 B	0.00098 U	0.0048 B
SW6010	7440-22-4	SILVER	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U	0.00091 U
SW7471	7439-97-6	MERCURY	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	42 U	37 U	36 U	36 UJ	39 U	39 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-						
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-34-3	1,1-DICHLOROETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-35-4	1,1-DICHLOROETHENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	65 U	6 U	5 U	1100	6 U	6 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	107-06-2	1,2-DICHLOROETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	95-49-8	2-CHLOROTOLUENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	591-78-6	2-HEXANONE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	106-43-4	4-CHLOROTOLUENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	67-64-1	ACETONE	65 UJ	6 UJ	8 J	97 J	6 UJ	6 UJ
SW8260	71-43-2	BENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	108-86-1	BROMOBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	74-97-5	BROMOCHLOROMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-27-4	BROMODICHLOROMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-25-2	BROMOFORM	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	74-83-9	BROMOMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-15-0	CARBON DISULFIDE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	56-23-5	CARBON TETRACHLORIDE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	108-90-7	CHLOROBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-00-3	CHLOROETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	67-66-3	CHLOROFORM	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	74-87-3	CHLOROMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	65 U	6 U	5 U	56 U	6 U	6 U

			GP-081_070706 GP-081 0 0 7/7/2006 E0960 Soil	GP-082_070706 GP-082 0 0 7/7/2006 E0960 Soil	GP-083_070706 GP-083 0 0 7/7/2006 E0960 Soil	GP-084_070706 GP-084 0 0 7/7/2006 E0960 Soil	GP-085_070706 GP-085 0 0 7/7/2006 E0960 Soil	GP-086_070706 GP-086 0 0 7/7/2006 E0960 Soil
method	cas_rn	chemical_name						
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	110-82-7	CYCLOHEXANE						
SW8260	99-87-6	CYMENE	65 U	6 U	5 U	270	6 U	6 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	74-95-3	DIBROMOMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	1330-20-7	DIMETHYL BENZENE	65 U	6 U	5 U	27 J	6 U	6 U
SW8260	100-41-4	ETHYLBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	65 U	6 U	5 U	63	6 U	6 U
SW8260	79-20-9	METHYL ACETATE						
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	65 UJ	6 UJ	5 UJ	56 UJ	6 UJ	6 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	108-87-2	METHYLCYCLOHEXANE						
SW8260	75-09-2	METHYLENE CHLORIDE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	136777-61-2	M-P-XYLENE	65 U	6 U	5 U	27 J	6 U	6 U
SW8260	91-20-3	NAPHTHALENE	65 U	6 U	5 U	320	6 U	6 U
SW8260	104-51-8	N-BUTYLBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	103-65-1	N-PROPYLBENZENE	65 U	6 U	5 U	79	6 U	6 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	135-98-8	SEC-BUTYLBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	100-42-5	STYRENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	98-06-6	T-BUTYLBENZENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	108-88-3	TOLUENE	65 U	6 U	5 U	56 U	6 U	2 J
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	108-05-4	VINYL ACETATE	65 U	6 U	5 U	56 U	6 U	6 U
SW8260	75-01-4	VINYL CHLORIDE	65 U	6 U	5 U	56 U	6 U	6 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	51-28-5	2,4-DINITROPHENOL	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	121-14-2	2,4-DINITROTOLUENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	606-20-2	2,6-DINITROTOLUENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	95-57-8	2-CHLOROPHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	88-74-4	2-NITROANILINE	870 U	750 U	730 U	730 U	790 U	790 U

			GP-081_070706 GP-081 0 0 7/7/2006 E0960 Soil	GP-082_070706 GP-082 0 0 7/7/2006 E0960 Soil	GP-083_070706 GP-083 0 0 7/7/2006 E0960 Soil	GP-084_070706 GP-084 0 0 7/7/2006 E0960 Soil	GP-085_070706 GP-085 0 0 7/7/2006 E0960 Soil	GP-086_070706 GP-086 0 0 7/7/2006 E0960 Soil
method	cas_rn	chemical_name						
SW8270	88-75-5	2-NITROPHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	99-09-2	3-NITROANILINE	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	106-47-8	4-CHLOROANILINE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	100-01-6	4-NITROANILINE	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	100-02-7	4-NITROPHENOL	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	83-32-9	ACENAPHTHENE	640	370 U	360 U	360 U	390 U	390 U
SW8270	208-96-8	ACENAPHTHYLENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	98-86-2	ACETOPHENONE						
SW8270	120-12-7	ANTHRACENE	190 J	370 U	360 U	180 J	390 U	390 U
SW8270	1912-24-9	ATRAZINE						
SW8270	100-52-7	BENZALDEHYDE						
SW8270	56-55-3	BENZO(A)ANTHRACENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	50-32-8	BENZO(A)PYRENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)						
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	790	190 J	96 J	150 J	140 J	110 J
SW8270	105-60-2	CAPROLACTAM						
SW8270	86-74-8	CARBAZOLE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	218-01-9	CHRYSENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	132-64-9	DIBENZOFURAN	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	84-66-2	DIETHYL PHTHALATE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	131-11-3	DIMETHYL PHTHALATE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	206-44-0	FLUORANTHENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	86-73-7	FLUORENE	920	370 U	360 U	180 J	390 U	390 U
SW8270	118-74-1	HEXACHLOROBENZENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	67-72-1	HEXACHLOROETHANE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	78-59-1	ISOPHORONE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	91-20-3	NAPHTHALENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	98-95-3	NITROBENZENE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	87-86-5	PENTACHLOROPHENOL	870 U	750 U	730 U	730 U	790 U	790 U
SW8270	85-01-8	PHENANTHRENE	2500	370 U	360 U	560	390 U	51 J
SW8270	108-95-2	PHENOL	430 U	370 U	360 U	360 U	390 U	390 U
SW8270	129-00-0	PYRENE	430 U	370 U	360 U	360 U	390 U	390 U

J L Steel Historical
Surface Soils

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LF-SS-1_110305 LS-SS-1 11/3/2005 LF-SS-1 Surface Soil	LF-SS-2_110305 LS-SS-2 11/3/2005 LF-SS-1 Surface Soil	LF-SS-3_110305 LS-SS-3 11/3/2005 LF-SS-1 Surface Soil	LF-SS-4_110305 LS-SS-4 11/3/2005 LF-SS-1 Surface Soil	MPA-SS-1_110305 MPA-SS-1 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	11 U	11	11 U	19	11 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	36 U	37 U	36 U	35 U	37 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	1800 UJ	1900 UJ	1800 UJ	1800 UJ	1900 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	370 U	370 U	370 UJ	360 U	370 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	1800 U	1900 U	1800 U	1800 U	1900 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	730 U	750 U	740 U	720 U	370 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	1800 U	1900 U	1800 U	1800 U	1900 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	1800 U	1900 U	1800 UJ	1800 U	1900 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	1800 U	1900 U	1800 UJ	1800 U	1900 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	1800 U	1900 U	1800 UJ	1800 U	1900 U
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	370 U	370 U	370 U	360 U	750 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LF-SS-1_110305 LS-SS-1 11/3/2005 LF-SS-1 Surface Soil	LF-SS-2_110305 LS-SS-2 11/3/2005 LF-SS-1 Surface Soil	LF-SS-3_110305 LS-SS-3 11/3/2005 LF-SS-1 Surface Soil	LF-SS-4_110305 LS-SS-4 11/3/2005 LF-SS-1 Surface Soil	MPA-SS-1_110305 MPA-SS-1 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	370 U	370 U	370 U	360 U	99 J
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	86-73-7	FLUORENE	30000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	370 U	370 U	370 U	240 J	370 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	370 U	370 U	370 U	360 U	370 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	1800 UJ	1900 UJ	1800 UJ	1800 UJ	1900 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	370 J	370 U	370 U	360 U	370 U
SW8270	108-95-2	PHENOL	330	ug/kg	370 U	370 U	370 U	47 J	370 U
SW8270	129-00-0	PYRENE	100000	ug/kg	370 U	370 U	370 U	360 U	370 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MPA-SS-2_110305 MPA-SS-2 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-3_110305 MPA-SS-3 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-4_110305 MPA-SS-4 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-5_110305 MPA-SS-5 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-6_110305 MPA-SS-6 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	940	11 U	17	26	13 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	36 U	36 U	37 U	35 U	41 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	36 U	36 U	37 U	35 U	41 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	36 U	36 U	37 U	35 U	41 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	36 U	36 U	37 U	35 U	41 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	36 U	36 U	37 U	35 U	41 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	36 U	120	130	81	41 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	36 U	36 U	37 U	35 U	41 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	1800 UJ	1800 UJ	1900 UJ	1800 UJ	2100 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 UJ
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	410	66 J	370 U	170 J	420 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	1800 U	1800 U	1900 U	1800 U	2100 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	720 U	730 U	740 U	710 U	830 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	1800 U	1800 U	1900 U	1800 U	2100 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	1800 UJ	1800 U	1900 U	1800 U	2100 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	1800 UJ	1800 U	1900 U	1800 UJ	2100 UJ
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	1800 UJ	1800 U	1900 U	1800 UJ	2100 UJ
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	230 J	78 J	370 U	52 J	420 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	1100	140 J	370 U	100 J	420 U
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	1200	140 J	370 U	88 J	420 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	550 J	190 J	370 U	120 J	420 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	940	130 J	370 U	69 J	420 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	310 J	140 J	370 U	110 J	420 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	NS	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	51 J	360 U	370 U	360 U	420 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	1500	210 J	370 U	140 J	420 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	670 J	360 U	370 U	360 U	420 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	360 UJ	360 U	370 U	360 UJ	420 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MPA-SS-2_110305 MPA-SS-2 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-3_110305 MPA-SS-3 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-4_110305 MPA-SS-4 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-5_110305 MPA-SS-5 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-6_110305 MPA-SS-6 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	360 U	190 J	370 U	360 U	420 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	110 J	220 J	370 U	220 J	420 U
SW8270	86-73-7	FLUORENE	30000	ug/kg	42 J	360 U	370 U	360 U	420 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	360 U	140 J	370 U	81 J	420 U
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	230 J	74 J	370 U	45 J	420 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	360 U	360 U	370 U	360 U	420 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	1800 UJ	1800 UJ	1900 UJ	1800 UJ	2100 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	490 J	150 J	370 U	150 J	420 U
SW8270	108-95-2	PHENOL	330	ug/kg	360 UJ	360 U	370 U	360 U	420 U
SW8270	129-00-0	PYRENE	100000	ug/kg	650 J	180 J	370 U	190 J	420 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MPA-SS-7_110305 MPA-SS-7 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-8_110305 MPA-SS-8 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-9_110305 MPA-SS-9 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-10_110305 MPA-SS-10 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-11_110305 MPA-SS-11 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	15	11 U	69	11	20
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	36 U	35 U	35 U	35 U	40 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	36 U	35 U	35 U	35 U	40 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	36 U	35 U	35 U	35 U	40 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	36 U	35 U	35 U	35 U	40 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	36 U	35 U	35 U	35 U	40 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	760 J+	110	77	230	33 J
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	1300 J+	35 U	35 U	35 U	40 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	1800 UJ	1800 UJ	1800 UJ	1800 UJ	2000 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	1800 U	1800 U	1800 U	1800 U	2000 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	720 U	710 U	720 U	710 U	810 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	1800 U	1800 U	1800 U	1800 U	2000 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	1800 U	1800 U	1800 U	1800 U	2000 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	1800 UJ	1800 UJ	1800 UJ	1800 UJ	2000 UJ
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	1800 UJ	1800 UJ	1800 UJ	1800 UJ	2000 UJ
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	360 U	360 U	63 J	360 U	410 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	110 J	49 J	61 J	360 U	410 U
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	140 J	57 J	360 U	360 U	410 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	170 J	80 J	360 U	360 U	410 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	170 J	75 J	360 U	360 U	410 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	120 J	63 J	360 U	360 U	410 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	360 U	360 U	47 J	360 U	410 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	140 J	360 U	77 J	360 U	410 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	360 UJ	360 UJ	360 UJ	360 U	410 UJ

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MPA-SS-7_110305 MPA-SS-7 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-8_110305 MPA-SS-8 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-9_110305 MPA-SS-9 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-10_110305 MPA-SS-10 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-11_110305 MPA-SS-11 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	130 J	360 U	110 J	360 U	410 U
SW8270	86-73-7	FLUORENE	30000	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	360 U	360 U	360 U	360 UJ	410 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	150 J	360 U	360 U	360 U	410 U
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	1800 UJ	1800 UJ	1800 UJ	1800 UJ	2000 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	72 J	41 J	37 J	360 U	410 U
SW8270	108-95-2	PHENOL	330	ug/kg	360 U	360 U	360 U	360 U	410 U
SW8270	129-00-0	PYRENE	100000	ug/kg	160 J	72 J	100 J	360 U	410 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MPA-SS-12_110305 MPA-SS-12 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-13_110305 MPA-SS-13 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-14_110305 MPA-SS-14 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-15_110305 MPA-SS-15 11/3/2005 MPA-SS-1 Surface Soil	OCA-SS-1_110305 OCA-SS-1 11/3/2005 LF-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	11 U	11 U	11 U	11 U	11 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	37 U	36 U	37 U	36 U	1900 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	37 U	36 U	37 U	36 U	35 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	37 U	36 U	37 U	36 U	35 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	37 U	36 U	37 U	36 U	35 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	37 U	36 U	37 U	36 U	35 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	40	36 U	37 U	17 J	35 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	37 U	12 J	130	36 U	35 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	1900 UJ	1800 UJ	1900 UJ	1800 UJ	1800 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	1900 U	1800 U	1900 U	1800 U	1800 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	750 U	730 U	740 U	720 U	720 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	1900 U	1800 U	1900 U	1800 U	1800 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	1900 U	1800 U	1900 U	1800 U	1800 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	1900 UJ	1800 UJ	1900 UJ	1800 UJ	1800 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	1900 UJ	1800 UJ	1900 UJ	1800 UJ	1800 U
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	370 U	110 J	160 J	360 U	360 U
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	370 U	220 J	320 J	360 U	360 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	370 U	240 J	340 J	360 U	360 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	370 U	310 J	370 J	360 U	360 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	370 U	180 J	230 J	360 U	360 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	370 U	150 J	210 J	360 U	360 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	370 U	360 U	370 UJ	360 U	360 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MPA-SS-12_110305 MPA-SS-12 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-13_110305 MPA-SS-13 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-14_110305 MPA-SS-14 11/3/2005 MPA-SS-1 Surface Soil	MPA-SS-15_110305 MPA-SS-15 11/3/2005 MPA-SS-1 Surface Soil	OCA-SS-1_110305 OCA-SS-1 11/3/2005 LF-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	370 U	120 J	160 J	360 U	360 U
SW8270	86-73-7	FLUORENE	30000	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	370 UJ	360 UJ	370 U	360 UJ	360 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	370 U	340 J	360 J	360 U	360 U
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	1900 UJ	1800 UJ	1900 UJ	1800 UJ	1800 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	370 U	45 J	63 J	360 U	360 U
SW8270	108-95-2	PHENOL	330	ug/kg	370 U	360 U	370 U	360 U	360 U
SW8270	129-00-0	PYRENE	100000	ug/kg	370 U	120 J	200 J	360 U	360 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	OCA-SS-2_110305 OCA-SS-2 11/3/2005 LF-SS-1 Surface Soil	OCA-SS-3_110305 OCA-SS-3 11/3/2005 LF-SS-1 Surface Soil	R3-SS-1_110305 R3-SS-1 11/3/2005 MPA-SS-1 Surface Soil	R3-SS-2_110305 R3-SS-2 11/3/2005 MPA-SS-1 Surface Soil	R60-SS-1_110305 R60-SS-1 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	10 U	11 U	13 U	17	12
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	34 U	36 U	41 U	41 U	37 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	1700 UJ	1800 UJ	2100 UJ	2100 UJ	1900 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 UJ
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	1700 U	1800 U	2100 U	2100 U	1900 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	690 U	740 U	830 U	820 U	740 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	1700 U	1800 U	2100 U	2100 U	1900 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	1700 U	1800 U	2100 U	2100 U	1900 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	1700 U	1800 U	2100 U	2100 UJ	1900 UJ
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	1700 U	1800 U	2100 U	2100 UJ	1900 UJ
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	350 U	370 U	420 U	410 U	55 J
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	350 U	370 U	420 U	410 U	88 J
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	350 U	370 U	420 U	410 U	59 J
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	350 U	370 U	420 U	410 U	38 J
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	350 U	370 U	420 U	410 U	370 j
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	350 U	370 U	420 U	410 U	51 J
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	350 U	370 U	420 U	410 U	90 J
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	350 U	370 U	420 U	410 UJ	370 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	OCA-SS-2_110305 OCA-SS-2 11/3/2005 LF-SS-1 Surface Soil	OCA-SS-3_110305 OCA-SS-3 11/3/2005 LF-SS-1 Surface Soil	R3-SS-1_110305 R3-SS-1 11/3/2005 MPA-SS-1 Surface Soil	R3-SS-2_110305 R3-SS-2 11/3/2005 MPA-SS-1 Surface Soil	R60-SS-1_110305 R60-SS-1 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units					
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	350 U	370 U	66 J	410 U	370 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	350 U	370 U	420 U	410 U	250 J
SW8270	86-73-7	FLUORENE	30000	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	350 U	370 UJ	420 U	410 U	370 j
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	1700 UJ	1800 UJ	2100 UJ	2100 UJ	1900 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	350 J	370 J	420 U	410 U	150 J
SW8270	108-95-2	PHENOL	330	ug/kg	350 U	370 U	420 U	410 U	370 U
SW8270	129-00-0	PYRENE	100000	ug/kg	350 U	370 U	420 U	410 U	160 J

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	R60-SS-2_110305 R60-SS-2 11/3/2005 MPA-SS-1 Surface Soil	R60-SS-3_110305 R60-SS-3 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units		
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	12 U	11 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	100	ug/kg	39 U	35 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	100	ug/kg	39 U	35 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	100	ug/kg	39 U	35 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	100	ug/kg	39 U	35 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	100	ug/kg	39 U	35 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	100	ug/kg	39 U	62
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	100	ug/kg	39 U	35 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	390 U	360 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	390 U	360 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	390 U	360 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	390 U	360 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/kg	390 U	360 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/kg	390 U	360 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/kg	390 U	360 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	ug/kg	390 U	360 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	ug/kg	2000 UJ	1800 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/kg	390 U	360 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/kg	390 U	360 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/kg	390 U	360 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/kg	390 U	360 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/kg	390 U	360 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	330	ug/kg	390 U	360 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/kg	2000 U	1800 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/kg	390 U	360 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/kg	780 U	710 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/kg	2000 U	1800 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/kg	2000 U	1800 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/kg	390 U	360 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	330	ug/kg	390 U	360 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/kg	390 U	360 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/kg	390 U	360 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	330	ug/kg	390 U	360 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/kg	2000 U	1800 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/kg	2000 U	1800 U
SW8270	83-32-9	ACENAPHTHENE	20000	ug/kg	390 U	360 U
SW8270	208-96-8	ACENAPHTHYLENE	100000	ug/kg	390 U	360 U
SW8270	120-12-7	ANTHRACENE	100000	ug/kg	180 J	360 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	1000	ug/kg	300 J	360 U
SW8270	50-32-8	BENZO(A)PYRENE	1000	ug/kg	260 J	360 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	1000	ug/kg	170 J	360 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	100000	ug/kg	170 J	360 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	800	ug/kg	250 J	360 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/kg	390 U	360 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/kg	390 U	360 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	NS	ug/kg	390 U	360 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/kg	390 U	360 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	ug/kg	390 U	360 U
SW8270	86-74-8	CARBAZOLE	NS	ug/kg	42 J	360 U
SW8270	218-01-9	CHRYSENE	1000	ug/kg	310 J	360 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	330	ug/kg	43 J	360 U
SW8270	132-64-9	DIBENZOFURAN	5	ug/kg	390 U	360 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/kg	390 U	360 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	R60-SS-2_110305 R60-SS-2 11/3/2005 MPA-SS-1 Surface Soil	R60-SS-3_110305 R60-SS-3 11/3/2005 MPA-SS-1 Surface Soil
method	cas_rn	chemical_name		units		
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/kg	390 U	360 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/kg	390 U	40 J
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/kg	390 U	360 U
SW8270	206-44-0	FLUORANTHENE	100000	ug/kg	700 J	360 U
SW8270	86-73-7	FLUORENE	30000	ug/kg	390 U	360 U
SW8270	118-74-1	HEXACHLOROBENZENE	330	ug/kg	390 U	360 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	390 U	360 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	NS	ug/kg	390 U	360 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	ug/kg	390 U	360 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	500	ug/kg	190 J	360 U
SW8270	78-59-1	ISOPHORONE	NS	ug/kg	390 U	360 U
SW8270	91-20-3	NAPHTHALENE	12000	ug/kg	390 U	360 U
SW8270	98-95-3	NITROBENZENE	NS	ug/kg	390 U	360 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/kg	390 U	360 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/kg	390 U	360 U
SW8270	87-86-5	PENTACHLOROPHENOL	800	ug/kg	2000 UJ	1800 UJ
SW8270	85-01-8	PHENANTHRENE	100000	ug/kg	550	360 U
SW8270	108-95-2	PHENOL	330	ug/kg	390 U	360 U
SW8270	129-00-0	PYRENE	100000	ug/kg	660 J	360 U

J L Steel Historical
Sewer Samples

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	SEWER_X_111908 SEWER_X 11/19/2008 MG2184 Soil	SEWERSAMPLE1_100808 SEWERSAMPLE1 10/8/2008 MG-1773 Soil	SEWERSAMPLE2_100808 SEWERSAMPLE2A 10/8/2008 MG-1773 Soil	SEWERSAMPLE3_100808 SEWERSAMPLE3 10/8/2008 MG-1773 Soil
method	cas_rn	chemical_name			units				
SW6010	7429-90-5	ALUMINUM	NS	NS	mg/kg	2680	2080	2470	2160
SW6010	7440-36-0	ANTIMONY	NS	NS	mg/kg	0.14 U	3.4	0.14 U	0.14 U
SW6010	7440-38-2	ARSENIC	10	33	mg/kg	3.3	5.8	0.82 B	1.2
SW6010	7440-39-3	BARIUM	NS	NS	mg/kg	93.7	84.3	23.9	16.8
SW6010	7440-41-7	BERYLLIUM	NS	NS	mg/kg	0.34	0.23	0.37	0.34
SW6010	7440-43-9	CADMIUM	1	5	mg/kg	0.41	6.1	0.056 B	0.045 B
SW6010	7440-70-2	CALCIUM	NS	NS	mg/kg	2180	241	936	1110
SW6010	7440-47-3	CHROMIUM, TOTAL	43	110	mg/kg	5.4	75	1.6	1.5
SW6010	7440-48-4	COBALT	NS	NS	mg/kg	9.5	14.3	3.2	2.1 B
SW6010	7440-50-8	COPPER	32	150	mg/kg	49.1	170	41.5	10
SW6010	7439-89-6	IRON	NS	NS	mg/kg	38300	211000	5550	5400
SW6010	7439-92-1	LEAD	36	130	mg/kg	11.8	37.2	4.8	5.6
SW6010	7439-95-4	MAGNESIUM	NS	NS	mg/kg	714	706	632	597
SW6010	7439-96-5	MANGANESE	NS	NS	mg/kg	199	816	107	74.1
SW6010	7440-02-0	NICKEL	23	49	mg/kg	10.4	54.3	6	3
SW6010	7440-09-7	POTASSIUM	NS	NS	mg/kg	468	349	172	171
SW6010	7782-49-2	SELENIUM	NS	NS	mg/kg	4.3	0.6 U	0.6 U	0.6 U
SW6010	7440-22-4	SILVER	1	2.2	mg/kg	0.243 U	0.34 U	0.34 U	0.34 U
SW6010	7440-23-5	SODIUM	NS	NS	mg/kg	47.2	2.8 U	29.1 B	2.8 U
SW6010	7440-28-0	THALLIUM	NS	NS	mg/kg	0.46 B	0.35 U	0.35 U	0.35 U
SW6010	7440-62-2	VANADIUM	NS	NS	mg/kg	31.9	3.7	4.3	4.5
SW6010	7440-66-6	ZINC	120	460	mg/kg	42.4	80.9	28.2	35
SW7471	7439-97-6	MERCURY	0.2	1	mg/kg	0.000014 B	0.11	0.006 U	0.015 B
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	9,000	18,000	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	2,800	5,400	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	230	2,800	ug/kg	5.3 U	5.9 U	5.3 U	0.52 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3,400	30,000	ug/kg	5.3 U	5.9 U	5.3 U	1.2 J
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	95-49-8	2-CHLOROTOLUENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	591-78-6	2-HEXANONE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	106-43-4	4-CHLOROTOLUENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U

- exceeds Class A Sediment Guidance Values
- exceeds Class A and Class C Sediment Guidance Values

J L Steel Historical
Sewer Samples

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	SEWER_X_111908 SEWER_X 11/19/2008 MG2184 Soil	SEWERSAMPLE1_100808 SEWERSAMPLE1 10/8/2008 MG-1773 Soil	SEWERSAMPLE2_100808 SEWERSAMPLE2A 10/8/2008 MG-1773 Soil	SEWERSAMPLE3_100808 SEWERSAMPLE3 10/8/2008 MG-1773 Soil
method	cas_rn	chemical_name			units				
SW8260	67-64-1	ACETONE	NS	NS	ug/kg	5.3 J	5.9 UJ	5.3 UJ	5.2 UJ
SW8260	71-43-2	BENZENE	530	1,900	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	108-86-1	BROMOBENZENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-25-2	BROMOFORM	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	74-83-9	BROMOMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-15-0	CARBON DISULFIDE	NS	NS	ug/kg	5.3 U	5.9 UJ	5.3 UJ	5.2 UJ
SW8260	56-23-5	CARBON TETRACHLORIDE	1,070	9,600	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	108-90-7	CHLOROBENZENE	200	1,700	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-00-3	CHLOROETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	67-66-3	CHLOROFORM	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	74-87-3	CHLOROMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	99-87-6	CYMENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	74-95-3	DIBROMOMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	NS	ug/kg	5.3 UJ	5.9 U	5.3 U	5.2 U
SW8260	1330-20-7	XYLENES, TOTAL	590	5,200	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	100-41-4	ETHYLBENZENE	430	3,700	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	1,200	12,000	ug/kg	5.3 U	5.9 U	5.3 U	0.12 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	210	1,800	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	NS	ug/kg	5.3 UJ	5.9 UJ	5.3 UJ	5.2 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-09-2	METHYLENE CHLORIDE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	91-20-3	NAPHTHALENE		7,700	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	104-51-8	N-BUTYLBENZENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	103-65-1	N-PROPYLBENZENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	820	7,240	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	135-98-8	SEC-BUTYLBENZENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	100-42-5	STYRENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	98-06-6	T-BUTYLBENZENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	16,000	57,000	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	108-88-3	TOLUENE	930	4,500	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	1,200	11,000	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	1,800	8,600	ug/kg	5.3 U	2.9 J	5.3 U	5.2 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	108-05-4	VINYL ACETATE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	75-01-4	VINYL CHLORIDE	NS	NS	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U
SW8260	XYLENES	XYLENES, TOTAL	590	5,200	ug/kg	5.3 U	5.9 U	5.3 U	5.2 U

- exceeds Class A Sediment Guidance Values
- exceeds Class A and Class C Sediment Guidance Values

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg	LR-001_110205 LR-001 11/2/2005 LF-SS-1	LR-002_110205 LR-002 11/2/2005 LF-SS-1	LR-003_110205 LR-003 11/2/2005 LF-SS-1	LR-004_110205 LR-004 11/2/2005 LF-SS-1
method	cas_rn	chemical_name			matrix_code units	Sediment	Sediment	Sediment	Sediment
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	NS	mg/kg	13 U	60 J	20 U	820 J
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)			ug/kg	41 U	150 U	67 U	45 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)			ug/kg	41 U	150 U	67 U	45 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)			ug/kg	41 U	150 U	67 U	45 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)			ug/kg	41 U	150 U	67 U	45 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)			ug/kg	41 U	150 U	67 U	45 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)			ug/kg	41 U	150 UJ	67 U	45 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)			ug/kg	41 U	150 U	67 U	45 U
		Total PPCBs	100	1000	ug/kg	41 U	60 J	67 U	45 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	2,800	5,400	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	NS	ug/kg	12 UJ	45 UJ	20 UJ	18 UJ
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	591-78-6	2-HEXANONE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	67-64-1	ACETONE	NS	NS	ug/kg	12 U	84 J	20 U	18 U
SW8260	71-43-2	BENZENE	530	1,900	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-25-2	BROMOFORM	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	74-83-9	BROMOMETHANE	NS	NS	ug/kg	12 UJ	45 UJ	20 UJ	18 UJ
SW8260	75-15-0	CARBON DISULFIDE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	56-23-5	CARBON TETRACHLORIDE	1,070	9,600	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	108-90-7	CHLOROBENZENE	200	1,700	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-00-3	CHLOROETHANE	NS	NS	ug/kg	12 UJ	45 UJ	20 UJ	18 UJ
SW8260	67-66-3	CHLOROFORM	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	74-87-3	CHLOROMETHANE	NS	NS	ug/kg	12 UJ	45 UJ	20 UJ	18 UJ
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	110-82-7	CYCLOHEXANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	1330-20-7	DIMETHYL BENZENE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	100-41-4	ETHYLBENZENE	430	3,700	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	210	1,800	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	79-20-9	METHYL ACETATE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-09-2	METHYLENE CHLORIDE	NS	NS	ug/kg	12 U	45 U	20 U	18 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	820	7,240	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	100-42-5	STYRENE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	16,000	57,000	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	108-88-3	TOLUENE	930	4,500	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	1,200	11,000	ug/kg	12 U	45 UJ	20 U	18 U

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg	LR-001_110205 LR-001 11/2/2005 LF-SS-1	LR-002_110205 LR-002 11/2/2005 LF-SS-1	LR-003_110205 LR-003 11/2/2005 LF-SS-1	LR-004_110205 LR-004 11/2/2005 LF-SS-1
method	cas_rn	chemical_name			matrix_code units	Sediment	Sediment	Sediment	Sediment
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	1,800	8,600	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8260	75-01-4	VINYL CHLORIDE	NS	NS	ug/kg	12 U	45 UJ	20 U	18 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	NS	ug/kg	2100 UJ	7600 UJ	3400 UJ	3000 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	NS	ug/kg	210 J	1500 UJ	680 U	610 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	88-74-4	2-NITROANILINE	NS	NS	ug/kg	2100 U	7600 UJ	3400 U	3000 U
SW8270	88-75-5	2-NITROPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	NS	ug/kg	830 U	3000 U	1400 U	1200 U
SW8270	99-09-2	3-NITROANILINE	NS	NS	ug/kg	2100 U	7600 U	3400 U	3000 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	NS	ug/kg	2100 U	7600 UJ	3400 U	3000 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	106-47-8	4-CHLOROANILINE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	100-01-6	4-NITROANILINE	NS	NS	ug/kg	2100 UJ	7600 UJ	3400 UJ	3000 U
SW8270	100-02-7	4-NITROPHENOL	NS	NS	ug/kg	2100 UJ	7600 UJ	3400 UJ	3000 UJ
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	810	8,100	ug/kg	420 UJ	1500 UJ	680 U	610 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	1,200	12,000	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	87-86-5	PENTACHLOROPHENOL	14,000	19,000	ug/kg	2100 UJ	7600 UJ	3400 UJ	3000 UJ
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	360,000	360,000	ug/kg	420 U	1500 U	680 U	610 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	86-74-8	CARBAZOLE	NS	NS	ug/kg	830 U	1500 U	680 U	610 U
SW8270	132-64-9	DIBENZOFURAN	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	NS	ug/kg	420 U	1500 UJ	680 UJ	610 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	118-74-1	HEXACHLOROBENZENE	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	78-59-1	ISOPHORONE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	98-95-3	NITROBENZENE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	NS	ug/kg	420 U	1500 U	680 U	610 U
SW8270	108-95-2	PHENOL	NS	NS	ug/kg	420 U	1500 UJ	680 U	610 U
SW8270	83-32-9	ACENAPHTHENE		9,820	ug/kg	420 U	1500 U	680 U	610 U
SW8270	208-96-8	ACENAPHTHYLENE		9,040	ug/kg	420 U	1500 UJ	680 U	610 U

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-001_110205 LR-001 11/2/2005 LF-SS-1 Sediment	LR-002_110205 LR-002 11/2/2005 LF-SS-1 Sediment	LR-003_110205 LR-003 11/2/2005 LF-SS-1 Sediment	LR-004_110205 LR-004 11/2/2005 LF-SS-1 Sediment
method	cas_rn	chemical_name			units				
SW8270	120-12-7	ANTHRACENE		11,880	ug/kg	88 J	1500 UJ	680 U	610 U
SW8270	56-55-3	BENZO(A)ANTHRACENE		16,820	ug/kg	420 U	160 J	680 U	610 U
SW8270	50-32-8	BENZO(A)PYRENE		19,280	ug/kg	110 J	200 J	680 U	610 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE		19,580	ug/kg	87 J	190 J	680 U	610 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE		21,900	ug/kg	67 J	230 J	680 U	610 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE		19,600	ug/kg	120 J	1500 UJ	680 U	610 U
SW8270	218-01-9	CHRYSENE		16,860	ug/kg	420 U	210 J	680 U	610 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE		22,440	ug/kg	420 U	1500 U	680 U	610 U
SW8270	206-44-0	FLUORANTHENE		14,160	ug/kg	270 J	240 J	680 U	610 U
SW8270	86-73-7	FLUORENE		10,780	ug/kg	420 U	1500 U	680 U	610 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE		22,300	ug/kg	94 J	210 J	680 J	610 UJ
SW8270	91-20-3	NAPHTHALENE		7,700	ug/kg	59 J	1500 UJ	680 U	610 U
SW8270	85-01-8	PHENANTHRENE		11,940	ug/kg	210 J	1500 UJ	680 U	610 U
SW8270	129-00-0	PYRENE		13,960	ug/kg	300 J	250 J	680 U	610 U
		Total PAHs	4,000	45,000	ug/kg	1405	1690	680	610 U

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-005_110205 LR-005 11/2/2005 LF-SS-1 Sediment	LR-006_110205 LR-006 11/2/2005 LF-SS-1 Sediment	LR-007_110205 LR-007 11/2/2005 LF-SS-1 Sediment	LR-008_110205 LR-008 11/2/2005 LF-SS-1 Sediment
method	cas_rn	chemical_name			units				
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	NS	mg/kg	28	640	32	870
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)			ug/kg	42 U	46 U	72 U	46 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)			ug/kg	42 U	46 U	72 U	46 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)			ug/kg	42 U	46 U	72 U	46 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)			ug/kg	42 U	46 U	72 U	46 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)			ug/kg	42 U	46 U	72 U	46 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)			ug/kg	42 U	46 U	72 U	46 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)			ug/kg	42 U	46 U	72 U	46 U
		Total PPCBs	100	1000	ug/kg	42 U	46 u	72 U	46 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	2,800	5,400	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	NS	ug/kg	13 UJ	14 UJ	22 UJ	70 UJ
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	591-78-6	2-HEXANONE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	67-64-1	ACETONE	NS	NS	ug/kg	17	18	67	98 J
SW8260	71-43-2	BENZENE	530	1,900	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-25-2	BROMOFORM	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	74-83-9	BROMOMETHANE	NS	NS	ug/kg	13 UJ	14 UJ	22 UJ	70 UJ
SW8260	75-15-0	CARBON DISULFIDE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	56-23-5	CARBON TETRACHLORIDE	1,070	9,600	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	108-90-7	CHLOROBENZENE	200	1,700	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-00-3	CHLOROETHANE	NS	NS	ug/kg	13 UJ	14 UJ	22 UJ	70 UJ
SW8260	67-66-3	CHLOROFORM	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	74-87-3	CHLOROMETHANE	NS	NS	ug/kg	13 UJ	14 UJ	22 UJ	70 UJ
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	110-82-7	CYCLOHEXANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	1330-20-7	DIMETHYL BENZENE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	100-41-4	ETHYLBENZENE	430	3,700	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	210	1,800	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	79-20-9	METHYL ACETATE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-09-2	METHYLENE CHLORIDE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	820	7,240	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	100-42-5	STYRENE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	16,000	57,000	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	108-88-3	TOLUENE	930	4,500	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	1,200	11,000	ug/kg	13 U	14 U	22 U	70 UJ

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg	LR-005_110205 LR-005 11/2/2005 LF-SS-1	LR-006_110205 LR-006 11/2/2005 LF-SS-1	LR-007_110205 LR-007 11/2/2005 LF-SS-1	LR-008_110205 LR-008 11/2/2005 LF-SS-1
method	cas_rn	chemical_name			matrix_code units	Sediment	Sediment	Sediment	Sediment
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	1,800	8,600	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8260	75-01-4	VINYL CHLORIDE	NS	NS	ug/kg	13 U	14 U	22 U	70 UJ
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	430 U	460 U	720 U	470 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	430 U	460 U	720 U	470 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	430 U	460 U	720 U	470 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	430 U	460 U	720 U	470 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	NS	ug/kg	2100 UJ	2300 UJ	3600 UJ	2300 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	NS	ug/kg	430 U	460 U	720 U	470 UJ
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	NS	ug/kg	430 U	460 U	720 U	470 UJ
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	88-74-4	2-NITROANILINE	NS	NS	ug/kg	2100 U	2300 U	3600 U	2300 U
SW8270	88-75-5	2-NITROPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	NS	ug/kg	850 U	930 U	1400 U	940 U
SW8270	99-09-2	3-NITROANILINE	NS	NS	ug/kg	2100 U	2300 U	3600 U	2300 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	NS	ug/kg	2100 UJ	2300 UJ	3600 U	2300 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	106-47-8	4-CHLOROANILINE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	100-01-6	4-NITROANILINE	NS	NS	ug/kg	2100 U	2300 U	3600 U	2300 UJ
SW8270	100-02-7	4-NITROPHENOL	NS	NS	ug/kg	2100 UJ	2300 UJ	3600 U	2300 UJ
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	810	8,100	ug/kg	430 U	460 U	720 U	470 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	1,200	12,000	ug/kg	430 U	460 U	720 U	470 U
SW8270	87-86-5	PENTACHLOROPHENOL	14,000	19,000	ug/kg	2100 UJ	2300 UJ	3600 UJ	2300 UJ
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	360,000	360,000	ug/kg	430 U	460 U	720 U	470 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	86-74-8	CARBAZOLE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	132-64-9	DIBENZOFURAN	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	NS	ug/kg	430 U	460 U	720 U	940 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	118-74-1	HEXACHLOROBENZENE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	78-59-1	ISOPHORONE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	98-95-3	NITROBENZENE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	108-95-2	PHENOL	NS	NS	ug/kg	430 U	460 U	720 U	470 U
SW8270	83-32-9	ACENAPHTHENE		9,820	ug/kg	430 U	460 U	720 U	470 U
SW8270	208-96-8	ACENAPHTHYLENE		9,040	ug/kg	430 U	460 U	720 U	470 U

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-005_110205 LR-005 11/2/2005 LF-SS-1 Sediment	LR-006_110205 LR-006 11/2/2005 LF-SS-1 Sediment	LR-007_110205 LR-007 11/2/2005 LF-SS-1 Sediment	LR-008_110205 LR-008 11/2/2005 LF-SS-1 Sediment
method	cas_rn	chemical_name			units				
SW8270	120-12-7	ANTHRACENE		11,880	ug/kg	430 U	460 U	720 U	470 U
SW8270	56-55-3	BENZO(A)ANTHRACENE		16,820	ug/kg	430 U	460 U	720 U	62 J
SW8270	50-32-8	BENZO(A)PYRENE		19,280	ug/kg	430 U	460 U	720 U	470 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE		19,580	ug/kg	430 U	460 U	720 U	470 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE		21,900	ug/kg	430 U	460 U	720 U	470 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE		19,600	ug/kg	430 U	460 U	720 U	470 U
SW8270	218-01-9	CHRYSENE		16,860	ug/kg	430 U	460 U	720 U	68 J
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE		22,440	ug/kg	430 U	460 U	720 U	470 U
SW8270	206-44-0	FLUORANTHENE		14,160	ug/kg	430 U	460 U	720 U	130 J
SW8270	86-73-7	FLUORENE		10,780	ug/kg	430 U	460 U	720 U	470 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE		22,300	ug/kg	430 UJ	460 UJ	720 UJ	470 UJ
SW8270	91-20-3	NAPHTHALENE		7,700	ug/kg	430 U	460 U	720 U	470 U
SW8270	85-01-8	PHENANTHRENE		11,940	ug/kg	430 U	460 U	720 U	370 J
SW8270	129-00-0	PYRENE		13,960	ug/kg	430 U	460 U	720 U	130 J
		Total PAHs	4,000	45,000	ug/kg	430 U	460 U	720 U	760

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-009_110205 LR-009 11/2/2005 LF-SS-1 Sediment	LR-010_110205 LR-010 11/2/2005 LF-SS-1 Sediment
method	cas_rn	chemical_name			units		
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	NS	mg/kg	380	800
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)			ug/kg	49 U	54 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)			ug/kg	49 U	54 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)			ug/kg	49 U	54 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)			ug/kg	49 U	54 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)			ug/kg	49 U	54 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)			ug/kg	49 U	83
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)			ug/kg	49 U	54 U
		Total PPCBs	100	1000	ug/kg	49 U	83
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	2,800	5,400	ug/kg	15 U	16 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	NS	ug/kg	15 U	16 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	15 U	16 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	NS	ug/kg	15 UJ	16 UJ
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	NS	ug/kg	15 U	16 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	15 U	16 U
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	NS	ug/kg	15 U	16 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	15 U	16 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	15 U	16 U
SW8260	591-78-6	2-HEXANONE	NS	NS	ug/kg	15 U	16 U
SW8260	67-64-1	ACETONE	NS	NS	ug/kg	21	37
SW8260	71-43-2	BENZENE	530	1,900	ug/kg	15 U	16 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	75-25-2	BROMOFORM	NS	NS	ug/kg	15 UJ	16 U
SW8260	74-83-9	BROMOMETHANE	NS	NS	ug/kg	15 UJ	16 UJ
SW8260	75-15-0	CARBON DISULFIDE	NS	NS	ug/kg	15 U	16 U
SW8260	56-23-5	CARBON TETRACHLORIDE	1,070	9,600	ug/kg	15 U	16 U
SW8260	108-90-7	CHLOROBENZENE	200	1,700	ug/kg	15 U	16 U
SW8260	75-00-3	CHLOROETHANE	NS	NS	ug/kg	15 UJ	16 UJ
SW8260	67-66-3	CHLOROFORM	NS	NS	ug/kg	15 U	16 U
SW8260	74-87-3	CHLOROMETHANE	NS	NS	ug/kg	15 UJ	16 UJ
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	NS	ug/kg	15 U	16 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	15 U	16 U
SW8260	110-82-7	CYCLOHEXANE	NS	NS	ug/kg	15 U	16 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	1330-20-7	DIMETHYL BENZENE	NS	NS	ug/kg	15 U	16 U
SW8260	100-41-4	ETHYLBENZENE	430	3,700	ug/kg	15 U	16 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	210	1,800	ug/kg	15 U	16 U
SW8260	79-20-9	METHYL ACETATE	NS	NS	ug/kg	15 U	16 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	NS	ug/kg	15 U	16 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	NS	ug/kg	15 U	16 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	NS	ug/kg	15 U	16 U
SW8260	75-09-2	METHYLENE CHLORIDE	NS	NS	ug/kg	15 U	16 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	820	7,240	ug/kg	15 U	16 U
SW8260	100-42-5	STYRENE	NS	NS	ug/kg	15 U	16 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	NS	ug/kg	15 U	16 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	16,000	57,000	ug/kg	15 U	16 U
SW8260	108-88-3	TOLUENE	930	4,500	ug/kg	15 U	16 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	1,200	11,000	ug/kg	15 U	16 U

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-009_110205 LR-009 11/2/2005 LF-SS-1 Sediment	LR-010_110205 LR-010 11/2/2005 LF-SS-1 Sediment
method	cas_rn	chemical_name			units		
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	NS	ug/kg	15 U	16 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	1,800	8,600	ug/kg	15 U	16 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	NS	ug/kg	15 U	16 U
SW8260	75-01-4	VINYL CHLORIDE	NS	NS	ug/kg	15 U	16 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	35,000	55,000	ug/kg	490 U	550 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	280	2,500	ug/kg	490 U	550 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	1,800	7,100	ug/kg	490 U	550 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	720	3,300	ug/kg	490 U	550 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	51-28-5	2,4-DINITROPHENOL	NS	NS	ug/kg	2500 UJ	2700 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	NS	ug/kg	490 UJ	550 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	NS	ug/kg	490 U	550 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	NS	ug/kg	490 U	550 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	NS	ug/kg	490 U	120 J
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	NS	ug/kg	490 U	550 U
SW8270	88-74-4	2-NITROANILINE	NS	NS	ug/kg	2500 U	2700 U
SW8270	88-75-5	2-NITROPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	NS	ug/kg	980 U	1100 U
SW8270	99-09-2	3-NITROANILINE	NS	NS	ug/kg	2500 U	2700 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	NS	ug/kg	2500 UJ	2700 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	NS	ug/kg	490 U	550 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	106-47-8	4-CHLOROANILINE	NS	NS	ug/kg	490 U	550 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	NS	ug/kg	490 U	550 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	NS	ug/kg	490 U	76 J
SW8270	100-01-6	4-NITROANILINE	NS	NS	ug/kg	2500 UJ	2700 U
SW8270	100-02-7	4-NITROPHENOL	NS	NS	ug/kg	2500 UJ	2700 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	810	8,100	ug/kg	490 U	550 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	1,200	12,000	ug/kg	490 U	550 U
SW8270	87-86-5	PENTACHLOROPHENOL	14,000	19,000	ug/kg	2500 UJ	2700 UJ
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	360,000	360,000	ug/kg	490 U	550 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	ug/kg	490 U	550 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	NS	ug/kg	490 U	550 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	NS	ug/kg	490 U	550 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	NS	ug/kg	490 U	550 U
SW8270	86-74-8	CARBAZOLE	NS	NS	ug/kg	490 U	550 U
SW8270	132-64-9	DIBENZOFURAN	NS	NS	ug/kg	490 U	550 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	NS	ug/kg	490 U	550 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	NS	ug/kg	490 U	550 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	NS	ug/kg	490 U	550 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	ug/kg	490 U	550 U
SW8270	118-74-1	HEXACHLOROBENZENE	NS	NS	ug/kg	490 U	550 U
SW8270	67-72-1	HEXACHLOROETHANE	NS	NS	ug/kg	490 U	550 U
SW8270	78-59-1	ISOPHORONE	NS	NS	ug/kg	490 U	550 U
SW8270	98-95-3	NITROBENZENE	NS	NS	ug/kg	490 U	550 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	NS	ug/kg	490 U	550 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	NS	ug/kg	490 U	550 U
SW8270	108-95-2	PHENOL	NS	NS	ug/kg	490 U	550 U
SW8270	83-32-9	ACENAPHTHENE		9,820	ug/kg	490 U	550 U
SW8270	208-96-8	ACENAPHTHYLENE		9,040	ug/kg	490 U	550 U

			Class A NYSDEC Sediment Screening Criteria	Class C NYSDEC Sediment Screening Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-009_110205 LR-009 11/2/2005 LF-SS-1 Sediment	LR-010_110205 LR-010 11/2/2005 LF-SS-1 Sediment
method	cas_rn	chemical_name			units		
SW8270	120-12-7	ANTHRACENE		11,880	ug/kg	490 U	550 U
SW8270	56-55-3	BENZO(A)ANTHRACENE		16,820	ug/kg	490 U	550 U
SW8270	50-32-8	BENZO(A)PYRENE		19,280	ug/kg	490 U	550 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE		19,580	ug/kg	490 U	550 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE		21,900	ug/kg	490 U	550 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE		19,600	ug/kg	490 U	550 U
SW8270	218-01-9	CHRYSENE		16,860	ug/kg	490 U	550 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE		22,440	ug/kg	490 U	550 U
SW8270	206-44-0	FLUORANTHENE		14,160	ug/kg	490 U	550 U
SW8270	86-73-7	FLUORENE		10,780	ug/kg	490 U	550 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE		22,300	ug/kg	490 UJ	550 UJ
SW8270	91-20-3	NAPHTHALENE		7,700	ug/kg	490 U	77 J
SW8270	85-01-8	PHENANTHRENE		11,940	ug/kg	370 J	550 U
SW8270	129-00-0	PYRENE		13,960	ug/kg	490 U	550 U
		Total PAHs	4,000	45,000	ug/kg	370	77

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-4A_052306 MW-4A-MH 5/23/2006 X2934 Groundwater	MW-4A_111605 MW-4A-MH 11/16/2005 T5801 Groundwater	MW-6A_052306 MW-6A 5/23/2006 X2934 Groundwater	MW-6A_110205 MW-6A 11/2/2005 MW-6A Groundwater	MW-7_052306 MW-7 5/23/2006 X2934 Groundwater	MW-7_110205 MW-7 11/2/2005 MW-6A Groundwater	MW-8_052306 MW-8 5/23/2006 X2934 Groundwater	MW-8_111605 MW-8 11/16/2005 T5801 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.32 UJ		3.9 U		3.9 U		3.32 UJ
SW6010	7440-39-3	BARIUM	1000	ug/l		165 J		42.3 BE		493 E		325
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.327 U		0.2 U		0.2 U		0.327 U
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		1.63 U		2.3 U		3.2 B		1.2 U
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		2.18 U		2.8 UN		2.8 UN		2.18 U
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		4.9 J		4.6 UN		4.6 UN		3.04 U
SW6010	7440-22-4	SILVER	50	ug/l		1.64 UJ		2.7 UN		2.7 UN		1.64 NJ
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.03 U		0.1 U		0.1 U		0.03 UNJ
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l				570		11000		
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								5600
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l		3550						
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.148 U		0.065 U		0.065 U		0.148 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.173 U		0.065 U		0.065 U		0.173 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.111 U		0.065 U		0.065 U		0.111 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.085 U		0.065 U		0.065 U		0.085 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.043 U		0.065 U		0.065 U		0.043 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.038 U		0.065 U		0.065 U		0.038 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.16 U		0.065 U		0.065 U		0.16 U
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l								
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	8.8	0.32 U	0.3 U	10 U	1.3 U	10 U	1.2 U	0.32 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	0.85 U	0.3 U	0.87 U	10 U	0.22 U	10 U	0.28 U	0.3 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l	0.88 U	1.3 U	0.32 U	10 U	1.1 U	10 U	1.3 U	1.3 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	1.4 U	0.41 U	1.2 U	10 U	1.3 U	10 U	0.89 U	0.41 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	1.1 U	0.38 U	0.45 U	10 U	1.4 U	10 U	1.3 U	0.38 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	1.4 U	0.42 U	0.36 U	10 U	1.3 U	10 U	1.2 U	0.42 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l								
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l								
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l								
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	0.33 U	0.46 U	1.2 U	10 U	0.28 U	10 U	0.36 U	0.46 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l								
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	0.34 UJ	0.38 U	1.1 U	10 U	0.4 UJ	10 U	0.38 UJ	0.38 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	1.5 UJ	0.32 U	1.4 UJ		1.2 UJ		0.34 UJ	0.32 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	0.17 U	0.44 U	1.4 U	10 U	2.3 U	10 U	0.4 U	0.44 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	1.4 U	0.34 U	0.44 U	10 U	1.3 U	10 U	1.1 U	0.34 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	1.7 U	0.4 U	0.46 U	10 U	1.2 U	10 U	1.7 U	0.4 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l								
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	0.89 U	0.5 U	1.4 U	10 U	1.3 U	10 U	0.2 U	0.5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l								
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	1.1 U	0.54 U	1.3 U	10 U	0.42 U	10 U	0.43 U	0.54 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l								
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l								
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	1.3 U	1.7 U	1.2 U	10 UJ	0.77 U	10 UJ	1.1 U	1.7 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l								
SW8260	67-64-1	ACETONE	50 (G)	ug/l	1.3 U	2.3 U	0.41 U	10 UJ	1.3 U	10 UJ	1.4 U	2.3 U

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-4A_052306 MW-4A-MH 5/23/2006 X2934 Groundwater	MW-4A_111605 MW-4A-MH 11/16/2005 T5801 Groundwater	MW-6A_052306 MW-6A 5/23/2006 X2934 Groundwater	MW-6A_110205 MW-6A 11/2/2005 MW-6A Groundwater	MW-7_052306 MW-7 5/23/2006 X2934 Groundwater	MW-7_110205 MW-7 11/2/2005 MW-6A Groundwater	MW-8_052306 MW-8 5/23/2006 X2934 Groundwater	MW-8_111605 MW-8 11/16/2005 T5801 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	17	17	0.54 U	10 U	1.6 U	10 U	1.5 U	1.2 J
SW8260	108-86-1	BROMOBENZENE	5	ug/l								
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l								
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	1.3 U	0.33 U	1.7 U	10 U	1.5 U	10 U	1.3 U	0.33 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	1.9 U	0.32 U	1.4 U	10 UJ	0.41 U	10 UJ	2.3 U	0.32 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	1.2 U	0.41 U	0.33 U	10 UJ	1.2 U	10 UJ	1 U	0.41 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	1.4 U	0.4 U	1.7 U	10 U	1.3 U	10 U	1.4 U	0.4 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	1.3 U	1.1 U	0.41 U	10 U	1.7 U	10 U	1.5 U	1.1 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	1.1 U	0.47 U	1.6 U	10 U	0.89 U	10 U	0.41 U	0.47 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	1.4 U	10 J	1.6 U	10 U	1.3 U	10 U	3.6 U	0.83 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	3.6 U	0.33 U	0.44 U	10 U	1.5 U	10 U	1.3 U	0.33 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	1.3 UJ	0.34 U	0.46 UJ	10 U	1.4 UJ	10 U	1.3 UJ	0.34 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	1 U	0.29 U	0.32 U	10 U	1.3 U	10 U	1.4 U	0.29 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	1.6 U	0.36 U	1.5 U	10 U	1.7 U	10 U	0.85 U	0.36 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	4.1 J	4.6 J	1.2 UJ	10 U	1.4 UJ	10 U	1.3 UJ	0.36 U
SW8260	99-87-6	CYMENE	5	ug/l								
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	1.2 U	0.26 U	1.3 U	10 U	1.9 U	10 U	0.17 U	0.26 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l								
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	1.3 U	0.17 U	0.34 U	10 U	1.3 U	10 U	1.3 U	0.17 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l				10 U		10 U		
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	8.7	2 J	1.3 U	10 U	1.1 U	10 U	0.83 U	0.61 J
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l								
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l								
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	6.2	5.7	1.4 U	10 U	0.83 U	10 U	0.4 U	0.44 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	1.2 U	0.2 U	0.32 U	10 U	3.6 U	10 U	1.7 U	0.2 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	1.3 U	1.1 U	0.46 U	10 U	1.1 U	10 U	1.6 U	1.1 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	1.5 U	1.6 U	1.3 U	10 U	1.5 U	10 U	0.77 U	1.6 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	1.2 U	0.34 U	0.5 U	10 U	1.3 U	10 U	1.5 U	0.34 U
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	1.3 U	0.43 U	0.48 U	10 U	3.2 U	10 U	1.3 U	0.43 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l	5.8 J	8.5 J	1.4 U		0.17 U		0.22 U	1.2 U
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l								
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l								
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l								
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	2 J	1.1 J	1.2 U	10 U	0.34 U	10 U	1.3 U	0.51 J
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l								
SW8260	100-42-5	STYRENE	5	ug/l	0.77 U	0.41 U	1.4 U	10 U	0.33 U	10 U	0.42 U	0.41 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l								
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	1.2 U	0.28 U	0.26 U	10 U	1 U	10 U	1.1 U	0.28 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	1.5 U	0.48 U	1.2 U	10 U	0.85 U	10 U	0.33 U	0.48 U
SW8260	108-88-3	TOLUENE	5	ug/l	1.1 J	1.7 U	1.5 U	10 U	1.1 U	10 U	1.9 U	0.36 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	1.4 U	0.4 U	0.47 U	10 U	1.2 U	10 U	1.5 U	0.4 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	1.3 U	0.32 U	1.2 U	10 U	1.1 U	10 U	1.2 U	0.32 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	1.1 U	0.46 U	0.38 U	10 U	1.3 U	10 U	1.1 U	0.46 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	1.5 U	0.22 U	0.36 U	10 U	1.4 U	10 U	3.2 U	0.22 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l								
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	1.4 U	0.33 U	0.4 U	10 U	1.2 U	10 U	1.3 U	0.33 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l								
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l				5 U		10 U		
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l				5 U		10 U		
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l				5 U		10 U		
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l				5 U		10 U		
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	1.6 U	1.2 U	1.4 U	5 U	0.48 U	10 U	0.41 U	1.2 UJ
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	0.33 U	1.2 U	1.6 U	5 U	0.32 U	10 U	0.46 U	1.2 UJ
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	0.29 U	1.5 U	1.4 U	5 U	0.33 U	10 U	0.41 U	1.5 UJ
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	1.1 U	1.2 U	1.2 U	5 U	0.46 U	10 U	0.32 U	1.2 UJ
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	0.47 UJ	3.6 U	1.7 UJ	25 UJ	0.5 UJ	50 UJ	1.7 UJ	3.6 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	0.46 U	1.2 U	1.9 U	5 U	0.38 U	10 U	1.2 U	1.2 UJ
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	0.26 U	1.3 U	1.4 U	5 U	0.32 U	10 U	0.44 U	1.3 UJ

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-4A_052306 MW-4A-MH 5/23/2006 X2934 Groundwater	MW-4A_111605 MW-4A-MH 11/16/2005 T5801 Groundwater	MW-6A_052306 MW-6A 5/23/2006 X2934 Groundwater	MW-6A_110205 MW-6A 11/2/2005 MW-6A Groundwater	MW-7_052306 MW-7 5/23/2006 X2934 Groundwater	MW-7_110205 MW-7 11/2/2005 MW-6A Groundwater	MW-8_052306 MW-8 5/23/2006 X2934 Groundwater	MW-8_111605 MW-8 11/16/2005 T5801 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	0.32 U	1.4 U	1.3 U	5 U	0.45 U	10 U	0.44 U	1.4 UJ
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	1.3 U	1.2 U	1.4 U	5 U	0.38 U	10 U	0.33 U	1.2 UJ
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	4.9 J	21	1.2 U	5 U	6.2 J	10 U	4.7 J	1.1 UJ
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	0.42 U	1.5 U	1.1 U	5 U	0.36 U	10 U	0.32 U	1.5 UJ
SW8270	88-74-4	2-NITROANILINE	5	ug/l	0.36 U	1.1 U	1.3 U	25 U	1.2 U	50 U	0.3 U	1.1 UJ
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	0.36 U	1.4 U	1.3 U	5 U	0.34 U	10 U	0.36 U	1.4 UJ
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l		1.1 U	0.38 U	10 U	1.4 U	20 U	1.1 U	1.1 UJ
SW8270	99-09-2	3-NITROANILINE	5	ug/l	0.32 U	1 U	1.1 U	25 U	0.44 U	50 U	0.38 U	1 UJ
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	0.5 UJ	1.6 U	0.34 UJ	25 U	1.2 UJ	50 U	1.4 UJ	1.6 UJ
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	0.44 U	1.5 U	0.41 U	5 U	1.3 U	10 U	1.6 U	1.5 UJ
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	0.34 U	1.4 U	1.5 U	5 U	0.41 U	10 U	0.47 U	1.4 UJ
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	0.32 UJ	0.88 U	1.1 U	5 U	0.36 U	10 U	0.26 U	0.88 UJ
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	0.32 U	1.4 U	0.84 U	5 U	1.7 U	10 U	1.2 U	1.4 UJ
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	0.28 U	1.3 U	1.3 U	5 U	0.29 U	10 U	0.34 U	1.3 UJ
SW8270	100-01-6	4-NITROANILINE	5	ug/l	0.3 U	1.1 UJ	1.1 U	25 U	1.5 U	50 U	1.3 U	1.1 UJ
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	0.45 U	3.2 U	1.3 U	25 U	0.54 U	50 U	1.3 U	3.2 UJ
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	6.1 J	3.7 J	1.1 U	5 U	12	10 U	1.6 J	1.4 UJ
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	1.7 U	1.3 U	1.5 U	5 U	0.41 U	10 U	0.54 U	1.3 UJ
SW8270	98-86-2	ACETOPHENONE	NS	ug/l	0.4 U	1.3 U	1.3 U		1.1 U		0.39 U	1.3 UJ
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	1.5 U	1.4 U	2.3 U	5 U	4.6 J	10 U	1.5 U	1.4 UJ
SW8270	1912-24-9	ATRAZINE	7.5	ug/l	0.46 U	1.3 U	0.22 U		1.3 U		1.4 U	1.3 UJ
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l	0.41 UJ	1.7 U	1.2 UJ		0.2 UJ		1.1 UJ	1.7 UJ
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	1.2 U	1.1 U	0.36 U	5 U	0.88 U	10 U	1.2 U	1.1 UJ
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	1.5 U	1.2 U	0.34 U	5 U	1.3 U	10 U	1.3 U	1.2 UJ
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	1.2 U	0.76 U	0.33 U	5 U	1.2 U	10 U	1.4 U	0.76 UJ
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	1.4 U	1.1 U	0.4 U	5 U	1.1 U	10 U	1 U	1.1 UJ
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	1.4 U	1.9 U	0.32 U	5 U	1.2 U	10 U	1.1 U	1.9 UJ
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	1.3 U	1.5 U	0.4 U	5 U	1.5 U	10 U	1.4 U	1.5 UJ
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	4.9 J	1.4 U	1.4 U		2.3 J		0.32 U	1.4 UJ
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	1.1 U	1.4 U	1.3 U	5 U	0.4 U	10 U	0.36 U	1.4 UJ
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	0.22 U	1.5 U	1.4 U	5 U	0.4 U	10 U	0.29 U	1.5 UJ
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	2.3 U	1.2 U	1.3 U	5 U	1.1 U	10 U	0.34 U	1.2 UJ
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	9.7 J	10	1.6 J	5 U	11	10 U	4.3 J	5.6 J
SW8270	105-60-2	CAPROLACTAM	NS	ug/l	0.39 UJ	1.3 UJ	1.3 UJ		0.36 UJ		0.48 U	1.3 UJ
SW8270	86-74-8	CARBAZOLE	NS	ug/l	8.9 J	10	0.4 U	5 U	1.3 U	10 U	1.4 U	1.3 UJ
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	1.6 U	1.7 U	1.1 U	5 U	1.4 U	10 U	1.2 U	1.7 UJ
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	0.88 U	0.88 U	0.34 U	5 U	1.4 U	10 U	1.3 U	0.88 UJ
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	4.8 J	3 J	0.76 U	5 U	5.1 J	10 U	1.5 U	1.3 UJ
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	0.41 U	1.4 U	1.2 U	5 U	0.46 U	10 U	1.5 U	1.4 UJ
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	0.41 U	1.3 U	1.2 U	5 U	0.46 U	10 U	0.5 U	1.3 UJ
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	1.5 U	2.6 J	0.28 U	5 U	1.4 U	10 U	6.1 J	1.3 UJ
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	1.4 U	1.3 U	0.29 U	5 U	1.4 U	10 U	1.4 U	1.3 UJ
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	1.3 U	1.2 U	0.2 U	5 U	1.2 U	10 U	1.4 U	1.2 UJ
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	7.2 J	3.1 J	0.87 U	5 U	20	19	2.2 J	1.4 UJ
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	0.38 U	1.2 U	0.83 U	5 U	1.3 U	10 U	1.3 U	1.2 UJ
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	0.34 U	1.4 U	1.6 U	5 U	0.32 U	10 U	0.32 U	1.4 UJ
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	0.4 UJ	1.2 U	1.3 UJ	5 U	0.26 UJ	10 U	1.2 UJ	1.2 UJ
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	0.43 U	1.2 U	1.4 U	5 U	0.32 U	10 U	0.4 U	1.2 UJ
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	1.4 U	0.84 U	0.39 U	5 U	1.4 U	10 U	1.3 U	0.84 UJ
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	0.38 U	1.3 U	3.1 U	5 U	0.39 U	10 U	1.6 U	1.3 UJ
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	24	6.7 J	1.4 U	5 U	1.6 U	10 U	1.7 U	1.4 UJ
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	0.4 U	1.6 U	3.5 U	5 U	0.34 U	10 U	0.33 U	1.6 UJ
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	0.2 U	1.4 U	1 U	5 U	0.33 U	10 U	0.46 U	1.4 UJ
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	0.54 U	1.3 U	0.33 U	5 U	1.5 U	10 U	1.2 U	1.3 UJ
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	1.7 U	1.6 U	1.3 U	25 U	1.4 U	50 U	1.2 U	1.6 UJ
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	8.4 J	5.1 J	0.42 U	5 U	36	31	1.4 U	1.4 UJ
SW8270	108-95-2	PHENOL	1	ug/l	0.83 U	1.3 U	1.2 U	5 U	0.43 U	10 U	1.1 U	1.3 UJ
SW8270	129-00-0	PYRENE	50 (G)	ug/l	1.3 U	1.5 U	0.43 U	5 U	1.4 U	10 U	1.3 U	1.5 UJ

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-10_052306 MW-10 5/23/2006 X2934 Groundwater	MW-10_111605 MW-10 11/16/2005 T5801 Groundwater	MW-10A_111605 MW-10 11/16/2005 T5801 Groundwater	MW-11_052306 MW-11 5/23/2006 X2934 Groundwater	MW-11_110205 MW-11 11/2/2005 MW-6A Groundwater	MW-11D_052306 MW-11D 5/23/2006 X2934 Groundwater	MW-12A_101408 MW-12A 10/14/2008 MG1844 Groundwater	MW-12A_111908 MW-12A 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.32 UJ	3.32 UJ		3.9 U			
SW6010	7440-39-3	BARIUM	1000	ug/l		22.8 J	31 J		920 E			
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.327 U	0.327 U		0.2 U			
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		2.38 U	6.1 U		3 B			
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		4.36 U	10.1 U		2.8 UN			
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		3.04 U	4.91 J		4.6 UN			
SW6010	7440-22-4	SILVER	50	ug/l		1.64 NJ	1.64 NJ		2.7 UN			
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.03 UNJ	0.03 UNJ		0.1 U			
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l					28000			
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l		2340	4100					
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.149 U	0.148 U		0.066 U			
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.175 U	0.173 U		0.066 U			
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.112 U	0.111 U		0.066 U			
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.086 U	0.085 U		0.066 U			
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.043 U	0.043 U		0.066 U			
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.038 U	0.038 U		0.066 U			
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.16 U	0.16 U		0.066 U			
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l							5 U	5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	0.41 U	0.32 U	0.32 U	0.44 U	10 U	1.5 U	1.2 J	5 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	1.3 U	0.3 U	0.3 U	12 U	10 U	1.3 U	5 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l	1.1 U	1.3 U	1.3 U	0.41 U	10 U	1.2 U		
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	0.44 U	0.41 U	0.41 U	14 U	10 U	1.4 U	5 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	0.4 U	0.38 U	0.38 U	0.46 U	10 U	0.38 U	5 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	0.29 U	0.42 U	0.42 U	1.7 U	10 U	0.46 U	5 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l							5 U	5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l							5 U	5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l							5 U	5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	1.6 U	0.46 U	0.46 U	11 U	10 U	3.1 U	5 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l							60	120
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	1.2 U	0.38 U	0.38 U	14 U	10 U	3.5 U	5 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	0.54 UJ	0.32 U	0.32 U	13 UJ		1.4 UJ	5 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	1.4 U	0.44 U	0.44 U	14 U	10 U	1 U	5 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	0.32 U	0.34 U	0.34 U	17 U	10 U	1.3 U	5 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	0.47 U	0.4 U	0.4 U	15 U	10 U	1.2 U	5 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l							15	38
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	1.3 U	0.5 U	0.5 U	12 U	10 U	1.3 U	5 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l							5 U	5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	1.3 U	0.54 U	0.54 U	12 U	10 U	1.3 U	5 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l							5 U	5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l							5 U	5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	0.3 U	1.7 U	1.7 U	12 U	10 UJ	1.4 U	5 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l							5 U	5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	0.33 U	2.3 U	2.3 U	0.26 U	10 UJ	0.41 U	5 UJ	5 UJ

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-10_052306 MW-10 5/23/2006 X2934 Groundwater	MW-10_111605 MW-10 11/16/2005 T5801 Groundwater	MW-10A_111605 MW-10 11/16/2005 T5801 Groundwater	MW-11_052306 MW-11 5/23/2006 X2934 Groundwater	MW-11_110205 MW-11 11/2/2005 MW-6A Groundwater	MW-11D_052306 MW-11D 5/23/2006 X2934 Groundwater	MW-12A_101408 MW-12A 10/14/2008 MG1844 Groundwater	MW-12A_111908 MW-12A 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	0.26 U	0.39 U	0.39 U	0.46 U	10 U	1.2 U	12	10
SW8260	108-86-1	BROMOBENZENE	5	ug/l							5 U	5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l							5 U	5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	0.45 U	0.33 U	0.33 U	12 U	10 U	1.6 U	5 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	1.2 U	0.32 U	0.32 U	14 U	10 UJ	1.4 U	5 U	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	0.38 U	0.41 U	0.41 U	0.36 U	10 UJ	0.48 U	5 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	0.32 U	0.4 U	0.4 U	0.32 U	10 U	0.32 U	5 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	0.36 U	1.1 U	1.1 U	0.3 U	10 U	1.3 U	5 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	0.38 U	0.47 U	0.47 U	12 U	10 U	1.4 U	5 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	0.36 U	0.83 U	0.83 U	0.32 U	10 U	0.47 U	1.3 J	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	0.36 U	0.33 U	0.33 U	0.54 U	10 U	1.2 U	5 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	0.43 UJ	0.34 U	0.34 U	0.33 UJ	10 U	0.26 UJ	5 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	0.32 U	0.29 U	0.29 U	0.5 U	10 U	1.5 U	5 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	0.32 U	0.36 U	0.36 U	13 U	10 U	1.4 U	5 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	0.33 UJ	0.36 U	0.36 U	0.41 UJ	10 U	0.46 UJ		
SW8260	99-87-6	CYMENE	5	ug/l							5 U	5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	0.5 U	0.26 U	0.26 U	16 U	10 U	0.87 U	5 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l							5 U	5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	0.2 U	0.17 U	0.17 U		10 U	1.7 U	5 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l					10 U		38	49
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	0.46 U	0.45 U	0.45 U	14 U	10 U	1.1 U	15	22
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l							5 U	5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l							5 U	5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	1.5 U	0.44 U	0.44 U	1.2 J	10 U	1.2 J	5.1	6.3
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	0.39 U	0.2 U	0.2 U	0.47 U	10 U	0.5 U		
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	1.6 U	1.1 U	1.1 U	0.32 U	10 U	1.7 U	5 UJ	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	1.2 U	1.6 U	1.6 U	15 U	10 U	1.3 U	5 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	1.7 U	0.34 U	0.34 U	0.38 U	10 U	1.2 U		
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	0.34 U	0.43 U	0.43 U	0.45 U	10 U	0.54 U	5 U	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l	1.7 U	1.2 U	1.2 U	15 U		1.2 U		
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l							72	160
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l							3.7 J	7.6
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l							4.6 J	6.5
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	1.3 U	0.46 U	0.46 U	14 U	10 U	1.2 U	2.5 J	15
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l							1.7 J	2.9 J
SW8260	100-42-5	STYRENE	5	ug/l	1.5 U	0.41 U	0.41 U	8.8 U	10 U	1.2 U	5 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l							5 U	5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	0.34 U	0.28 U	0.28 U	0.48 U	10 U	0.3 U	5 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	0.44 U	0.48 U	0.48 U	14 U	10 U	1.3 U	5 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	0.46 U	0.36 U	0.36 U	12 U	10 U	1.4 U	1.3 J	2 J
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	0.46 U	0.4 U	0.4 U	1.2 U	10 U	0.44 U	5 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	0.41 U	0.32 U	0.32 U	13 U	10 U	1.2 U	5 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	0.48 U	0.46 U	0.46 U	1 J	10 U	1.4 U	5 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	1.1 U	0.22 U	0.22 U	0.36 U	10 U	0.45 U	5 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l							5 U	5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	0.4 U	0.33 U	0.33 U	1.6 U	10 U	0.32 U	5 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l							41	64
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l					50 U			
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l					50 U			
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l					50 U			
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l					50 U			
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	1.4 U	1.3 U	1.3 U	11 U	50 U	0.84 U		
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	1.2 U	1.2 U	1.2 U	11 U	50 U	1.2 U		
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	1.1 U	1.5 U	1.5 U	13 U	50 U	1.5 U		
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	1.4 U	1.2 U	1.2 U	15 U	50 U	1.3 U		
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	1.5 UJ	3.6 UJ	3.6 U	0.17 UJ	250 UJ	1.3 UJ		
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	1.3 U	1.2 U	1.2 U	0.41 U	50 U	0.4 U		
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	1.3 U	1.3 U	1.3 U	8.4 U	50 U	0.41 U		

				sys_sample_code	MW-10_052306	MW-10_111605	MW-10A_111605	MW-11_052306	MW-11_110205	MW-11D_052306	MW-12A_101408	MW-12A_111908
				sys_loc_code	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11D	MW-12A	MW-12A
			NYSDEC	sample_date	5/23/2006	11/16/2005	11/16/2005	5/23/2006	11/2/2005	5/23/2006	10/14/2008	11/19/2008
			Class GA	lab_sdg	X2934	T5801	T5801	X2934	MW-6A	X2934	MG1844	MG2184
			Groundwater	matrix_code	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	1.1 U	1.4 U	1.4 U	13 U	50 U	1.1 U		
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	1.4 U	1.2 U	1.2 U	10 U	50 U	1.4 U		
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	3.2 J	1.1 U	1.1 U	120	50 U	0.76 U		
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	1.5 U	1.5 U	1.5 U	36 U	50 U	1.1 U		
SW8270	88-74-4	2-NITROANILINE	5	ug/l	1.7 U	1.1 U	1.1 U	7.6 U	250 U	0.17 U		
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	1.3 U	1.4 U	1.4 U	13 U	50 U	1.3 U		
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	0.83 U	1.1 U	1.1 U	0.34 U	100 U	0.36 U		
SW8270	99-09-2	3-NITROANILINE	5	ug/l	1.3 U	1 UJ	1 UJ	8.8 U	250 U	0.83 U		
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	1.1 UJ	1.7 U	1.7 U	2.3 UJ	250 U	0.38 UJ		
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	1.3 U	1.5 U	1.5 U	0.28 U	50 U	1.1 U		
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	3.6 U	1.4 U	1.4 U	12 U	50 U	1.3 U		
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	1.3 U	0.88 UJ	0.88 UJ	14 U	50 U	1.1 U		
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	1.5 U	1.4 U	1.4 U	0.22 U	50 U	0.2 U		
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	1.4 U	1.3 U	1.3 U	12 U	50 U	1.5 U		
SW8270	100-01-6	4-NITROANILINE	5	ug/l	1.1 U	1.1 UJ	1.1 UJ	0.42 U	250 U	0.4 U		
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	1.4 U	3.2 U	3.2 U	0.34 U	250 U	0.42 U		
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	2.7 J	6.3 J	6 J	37 J	50 U	14		
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	1.5 U	1.3 U	1.3 U	12 U	50 U	0.33 U		
SW8270	98-86-2	ACETOPHENONE	NS	ug/l	0.88 U	1.3 U	1.3 U	13 U		1.3 U		
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	0.89 U	1.4 U	1.4 U	0.36 U	50 U	0.39 U		
SW8270	1912-24-9	ATRAZINE	7.5	ug/l	1.9 U	1.3 U	1.3 U	0.43 U		0.29 U		
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l	1.3 UJ	1.7 U	1.7 U	13 UJ		1.3 UJ		
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	0.22 U	1.1 U	1.1 U	0.39 U	50 U	0.32 U		
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	0.2 U	1.2 U	1.2 U	0.36 U	50 U	0.48 U		
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	0.4 U	0.77 U	0.77 U	0.33 U	50 U	0.26 U		
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	0.38 U	1.1 U	1.1 U	0.41 U	50 U	1.2 U		
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	0.28 U	1.9 U	1.9 U	1.6 U	50 U	0.32 U		
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	0.41 U	1.5 U	1.5 U	0.32 U	50 U	1.6 U		
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	1.4 U	1.4 U	1.4 U	17 U		3.3 J		
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	1.4 U	1.4 U	1.4 U	12 U	50 U	1.2 U		
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	1.2 U	1.5 U	1.5 U	13 U	50 U	1.3 U		
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	1.4 U	1.3 U	1.3 U	32 U	50 U	1.6 U		
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	3.8 J	6.5 J	2.7 J	220	9 U	72		
SW8270	105-60-2	CAPROLACTAM	NS	ug/l	1 U	1.3 UJ	1.3 UJ	400 J		1.7 UJ		
SW8270	86-74-8	CARBAZOLE	NS	ug/l	1.1 U	1.3 UJ	1.3 UJ	1.1 U	50 U	0.34 U		
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	1.3 U	1.7 U	1.7 U	0.34 U	50 U	0.36 U		
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	0.4 U	0.89 U	0.89 U	0.36 U	50 U	0.45 U		
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	1.3 U	1.3 U	1.3 U	0.33 U	50 U	2.3 U		
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	1.2 U	1.4 U	1.4 U	0.83 U	50 U	0.28 U		
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	1.3 U	1.3 U	1.3 U	19 U	50 U	0.34 U		
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	0.17 U	4.4 J	1.3 U	1.1 U	50 U	0.46 U		
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	2.3 U	1.3 U	1.3 U	0.4 U	50 U	1.7 U		
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	0.34 U	1.2 U	1.2 U	0.29 U	50 U	0.4 U		
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	2.5 J	7.7 J	8 J	64 J	50 U	18		
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	0.77 U	1.3 U	1.3 U	0.2 U	50 U	1.1 U		
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	1.3 U	1.4 U	1.4 U	13 U	50 U	1.1 U		
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	1.3 UJ	1.2 U	1.2 U	15 UJ	50 U	1.9 UJ		
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	1.4 U	1.2 U	1.2 U	14 U	50 U	1.3 U		
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	0.43 U	0.85 U	0.85 U	0.32 U	50 U	0.47 U		
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	1.2 U	1.3 U	1.3 U	16 U	50 U	1.4 U		
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	1.3 U	1.4 U	1.4 U	16 U	50 U	1.4 U		
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	1.2 U	1.6 U	1.6 U	11 U	50 U	1.6 U		
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	1.3 U	1.4 U	1.4 U	14 U	50 U	1.2 U		
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	1.7 U	1.3 U	1.3 U	0.4 U	50 U	0.36 U		
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	1.2 U	1.6 U	1.6 U	0.4 U	250 U	0.33 U		
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	0.85 U	11	13	160	14 J	35		
SW8270	108-95-2	PHENOL	1	ug/l	1.4 U	1.3 UJ	1.3 U	13 U	50 U	1.2 U		
SW8270	129-00-0	PYRENE	50 (G)	ug/l	0.33 U	1.5 U	1.5 U	0.33 U	50 U	0.33 U		

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-13_052206 MW-13 5/22/2006 ME0675 Groundwater	MW-13_110205 MW-13 11/2/2005 LR-001 Groundwater	MW-14_101508 MW-14 10/15/2008 MG1845 Groundwater	MW-14_111908 MW-14 11/19/2008 MG2184 Groundwater	MW-15_052206 MW-15 5/22/2006 ME0675 Groundwater	MW-15_101408 MW-15 10/14/2008 MG1844 Groundwater	MW-15_110205 MW-15 11/2/2005 MW-6A Groundwater	MW-15_111908 MW-15 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.9 U					3.9 U	
SW6010	7440-39-3	BARIUM	1000	ug/l		67.8 B					46 BE	
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.2 U					0.2 U	
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		6.5 B					4.4 B	
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		2.8 NJ					2.8 UN	
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		4.6 U					4.6 UN	
SW6010	7440-22-4	SILVER	50	ug/l		2.7 NJ					2.7 UN	
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.1 U					0.1 U	
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l		100 U					550	
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.065 U					0.066 U	
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.065 U					0.066 U	
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.065 U					0.066 U	
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.065 U					0.066 U	
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.065 U					0.066 U	
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.065 U					0.066 U	
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.065 U					0.066 U	
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5 U	10 U	130	23	5 U	1.2 J	10 U	1.2 J
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l		10 U					10 U	
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	5 U	10 U	77	13 J	5 U	5 U	10 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5 U		25 U	4.2 J	5 U	5 U		5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5 U		230	280	3 J	53		150
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	5 U	10 U	25 U	20 U	5 U	5 U		5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5 U		55	81	5 U	5 U		36
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 UJ	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ	10 U	25 UJ	170 J	5 UJ	5 UJ	10 UJ	6.2 J

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-13_052206 MW-13 5/22/2006 ME0675 Groundwater	MW-13_110205 MW-13 11/2/2005 LR-001 Groundwater	MW-14_101508 MW-14 10/15/2008 MG1845 Groundwater	MW-14_111908 MW-14 11/19/2008 MG2184 Groundwater	MW-15_052206 MW-15 5/22/2006 ME0675 Groundwater	MW-15_101408 MW-15 10/14/2008 MG1844 Groundwater	MW-15_110205 MW-15 11/2/2005 MW-6A Groundwater	MW-15_111908 MW-15 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	5 U	10 U	25 U	20 U	5 U	1.2 J	10 U	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	5 U	10 UJ	25 U	20 U	5 U	5 U	10 UJ	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U	10 UJ	25 U	20 U	5 U	5 U	10 UJ	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 UJ
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l		10 U					10 U	
SW8260	99-87-6	CYMENE	5	ug/l	5 U		25 U	15 J	5 U	2 J		5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 UJ
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	5 U	10 U	250	150	5 U	12	10 U	45
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	5 U	10 U	85	38	5 U	12	10 U	28
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	5 U	10 U	20 J	15 J	5 U	6.6	10 U	13
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l		10 U					10 U	
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 U	10 U	25 UJ	23 J	5 U	5 UJ	10 U	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l		10 U					10 U	
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 UJ
SW8260	136777-61-2	M-P-XYLENE	5	ug/l								
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	5 U		550	270	5 U	93		170
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	5 U		11 J	21	5 U	4.3 J		9.4
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	5 U		19 J	14 J	5 U	6.9		12
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	5 U	10 U	45	36	1 J	5 J	10 U	14
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	5 U		5.6 J	10 J	5 U	3.1 J		4.9 J
SW8260	100-42-5	STYRENE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	5 U	10 U	8.1 J	20 U	5 U	5 U	10 U	1.5 J
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U		25 U	20 U	5 U	5 U		5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U	10 U	25 U	20 U	5 U	5 U	10 U	5 UJ
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	5 U		300	180	1 J	17		60
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	10 U	5 U			10 U		5 U	
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	10 U	5 U			10 U		5 U	
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	10 U	5 U			10 U		5 U	
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	10 U	5 U			10 U		5 U	
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	20 U	5 U			20 U		5 U	
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	10 U	5 U			10 U		5 U	
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	20 UJ	25 UJ			20 UJ		25 UJ	
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	10 U	5 U			10 U		5 U	
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	10 U	5 U			10 U		5 U	

				sys_sample_code	MW-13_052206	MW-13_110205	MW-14_101508	MW-14_111908	MW-15_052206	MW-15_101408	MW-15_110205	MW-15_111908
				sys_loc_code	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15
			NYSDEC	sample_date	5/22/2006	11/2/2005	10/15/2008	11/19/2008	5/22/2006	10/14/2008	11/2/2005	11/19/2008
			Class GA	lab_sdg	ME0675	LR-001	MG1845	MG2184	ME0675	MG1844	MW-6A	MG2184
			Groundwater	matrix_code	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	10 U	5 U			11		3 J	
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	88-74-4	2-NITROANILINE	5	ug/l	20 U	25 U			20 U		25 U	
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	10 UJ	10 U			10 UJ		10 U	
SW8270	99-09-2	3-NITROANILINE	5	ug/l	20 U	25 U			20 U		25 U	
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	20 U	25 U			20 U		0.6 J	
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	10 UJ	5 U			10 UJ		5 U	
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	100-01-6	4-NITROANILINE	5	ug/l	20 U	25 U			20 U		25 U	
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	20 U	25 U			20 U		25 U	
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	98-86-2	ACETOPHENONE	NS	ug/l								
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	1912-24-9	ATRAZINE	7.5	ug/l								
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l								
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	10 U	5 U			10 U		5 U	
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	10 U	5 U			10 U		5 U	
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	10 U	5 U			10 U		5 U	
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	10 U	5 U			10 U		5 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	2 J	5 U			16		5 U	
SW8270	105-60-2	CAPROLACTAM	NS	ug/l								
SW8270	86-74-8	CARBAZOLE	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	10 U	5 U			10 U		5 U	
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	10 U	5 U			2 J		1 J	
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	10 U	5 U			10 U		5 U	
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	10 U	5 U			10 U		5 U	
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	10 UJ	5 U			10 UJ		5 U	
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	10 U	5 U			10 U		5 U	
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	10 U	5 U			10 U		1 J	
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	10 U	5 U			10 U		5 U	
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	10 U	5 U			10 U		5 U	
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	10 U	5 U			10 U		5 U	
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	20 U	25 U			20 U		25 U	
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	20 U	5 U			4 J		2 J	
SW8270	108-95-2	PHENOL	1	ug/l	10 U	5 U			10 U		5 U	
SW8270	129-00-0	PYRENE	50 (G)	ug/l	10 U	5 U			10 U		5 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-15D_052206 MW-15D 5/22/2006 ME0675 Groundwater	MW-16_101508 MW-16 10/15/2008 MG1845 Groundwater	MW-16_101608 MW-16 10/15/2008 MG1845 Groundwater	MW-16_111808 MW-16 11/18/2008 MG2184 Groundwater	MW-17_101508 MW-17 10/15/2008 MG1845 Groundwater	MW-17_111908 MW-17 11/19/2008 MG2184 Groundwater	MW-18_052206 MW-18 5/22/2006 ME0675 Groundwater	MW-18_101608 MW-18 10/16/2008 MG1844 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l								
SW6010	7440-39-3	BARIUM	1000	ug/l								
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l								
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l								
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l								
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l								
SW6010	7440-22-4	SILVER	50	ug/l								
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l								
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l								
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l								1 UJ
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l								1 UJ
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l								1 UJ
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l								1 UJ
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l								1 UJ
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l								1 UJ
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l								1 UJ
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5 U	4.8 J		5 J	25	9.7	130 NJ	130
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l								
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	5 U	6 J		31	4.5 J	3.7 J	3 J	100
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	2 J	10 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5 U	20 U		5 U	5.3 J	5 U	5 U	10 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	20 U		5 U	3.5 J	5 U	5 U	10 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	3 J	220		230 D	140	130	37	33 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5 U	60		60	40	44	7	14
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ	20 UJ		13 J	13 UJ	7.2 J	3 J	10 UJ

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-15D_052206 MW-15D 5/22/2006 ME0675 Groundwater	MW-16_101508 MW-16 10/15/2008 MG1845 Groundwater	MW-16_101608 MW-16 10/15/2008 MG1845 Groundwater	MW-16_111808 MW-16 11/18/2008 MG2184 Groundwater	MW-17_101508 MW-17 10/15/2008 MG1845 Groundwater	MW-17_111908 MW-17 11/19/2008 MG2184 Groundwater	MW-18_052206 MW-18 5/22/2006 ME0675 Groundwater	MW-18_101608 MW-18 10/16/2008 MG1844 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	5 U	20 U		2.7 J	13 U	5 U	5 U	10 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	17
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l								
SW8260	99-87-6	CYMENE	5	ug/l	5 U	20 U		6.9	13 U	7.3	2 J	10 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 UJ
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	5 U	56		76	74	63	40	24
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	5 U	44		63	13 U	38	34	19
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	5 U	20 U		5 U	3.1 J	5 U	5 U	10 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	5 U	14 J		16	11 J	8.7	10	6.6 J
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l								
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 U	20 UJ		5.5 J	13 UJ	5 UJ	5 U	10 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l								
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l								
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	5 U	370		290 D	290	150	200 U	190
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	5 U	11 J		9.4	8.5 J	5 U	5 U	5 J
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	5 U	15 J		16	12 J	8.2	9	6.3 J
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	1 J	20 U		2.2 J	8.2 J	17	24	31
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	5 U	5.2 J		4.1 J	4.3 J	3.6 J	3 J	3 J
SW8260	100-42-5	STYRENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	5 U	20 U		5 U	13 U	5 U	1 J	10 U
SW8260	108-88-3	TOLUENE	5	ug/l	5 U	20 U		5 U	3.1 J	3 J	2 J	10 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U	20 U		5 U	13 U	5 U	5 U	10 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	1 J		56	78	82	80	64	54
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	10 U						10 U	
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	10 U						10 U	
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	10 U						10 U	
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	10 U						10 U	
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	20 U						20 U	
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	10 U						10 U	
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	10 U						10 U	
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	10 U						10 U	
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	20 UJ						20 UJ	
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	10 U						10 U	
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	10 U						10 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-15D_052206 MW-15D 5/22/2006 ME0675 Groundwater	MW-16_101508 MW-16 10/15/2008 MG1845 Groundwater	MW-16_101608 MW-16 10/15/2008 MG1845 Groundwater	MW-16_111808 MW-16 11/18/2008 MG2184 Groundwater	MW-17_101508 MW-17 10/15/2008 MG1845 Groundwater	MW-17_111908 MW-17 11/19/2008 MG2184 Groundwater	MW-18_052206 MW-18 5/22/2006 ME0675 Groundwater	MW-18_101608 MW-18 10/16/2008 MG1844 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	10 U						10 U	
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	10 U						10 U	
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	6 J						650 DE	
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	10 U						10 U	
SW8270	88-74-4	2-NITROANILINE	5	ug/l	20 U						20 U	
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	10 U						10 U	
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	10 UJ						10 UJ	
SW8270	99-09-2	3-NITROANILINE	5	ug/l	20 U						20 U	
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	20 U						20 U	
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	10 U						10 U	
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	10 U						10 U	
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	10 UJ						10 UJ	
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	10 U						10 U	
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	10 U						10 U	
SW8270	100-01-6	4-NITROANILINE	5	ug/l	20 U						20 U	
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	20 U						20 U	
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	10 U						10 U	
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	10 U						10 U	
SW8270	98-86-2	ACETOPHENONE	NS	ug/l								
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	10 U						10 U	
SW8270	1912-24-9	ATRAZINE	7.5	ug/l								
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l								
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	10 U						10 U	
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	10 U						10 U	
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	10 U						10 U	
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	10 U						10 U	
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	10 U						10 U	
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	10 U						10 U	
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	10 U						10 U	
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	10 U						10 U	
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	10 U						10 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	6 J						21	
SW8270	105-60-2	CAPROLACTAM	NS	ug/l								
SW8270	86-74-8	CARBAZOLE	NS	ug/l	10 U						10 U	
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	10 U						10 U	
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	10 U						10 U	
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	10 U						14	
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	10 U						10 U	
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	10 U						10 U	
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	10 U						10 U	
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	10 U						10 U	
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	10 U						10 U	
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	10 U						32	
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	10 U						10 U	
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	10 U						10 U	
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	10 UJ						10 UJ	
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	10 U						10 U	
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	10 U						10 U	
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	10 U						10 U	
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	10 U							
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	10 U						10 U	
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	10 U						10 U	
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	10 U						10 U	
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	20 U						20 U	
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	1 J						28	
SW8270	108-95-2	PHENOL	1	ug/l	10 U						10 U	
SW8270	129-00-0	PYRENE	50 (G)	ug/l	10 U						10 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-18_110205 MW-18 11/2/2005 MW-6A Groundwater	MW-18_111708 MW-18 11/17/2008 MG2184 Groundwater	MW-18_111908 MW-18 11/19/2008 MG2184 Groundwater	MW-18A_110205 MW-18 11/2/2005 MW-6A Groundwater	MW-19_052306 MW-19 5/23/2006 X2934 Groundwater	MW-19_101608 MW-19 10/16/2008 MG1844 Groundwater	MW-19_110205 MW-19 11/2/2005 MW-6A Groundwater	MW-19_111708 MW-19 11/17/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l	3.9 U			3.9 U			3.9 U	
SW6010	7440-39-3	BARIUM	1000	ug/l	75.2 BE			71.1 BE			40.2 BE	
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l	0.2 U			0.2 U			0.2 U	
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l	2.5 B			3.2 B			5.2 B	
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l	2.8 UN			2.8 UN			2.8 UN	
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l	4.6 UN			4.6 UN			4.6 UN	
SW6010	7440-22-4	SILVER	50	ug/l	2.7 UN			2.7 UN			2.7 UN	
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l	0.1 U			0.1 U			0.1 U	
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l	8900			13000			120	
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l	0.065 U	1 UJ		0.065 U		1 UJ	0.065 U	1 UJ
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l	0.065 U	1 UJ		0.065 U		1 UJ	0.065 U	1 UJ
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l	0.065 U	1 UJ		0.065 U		1 UJ	0.065 U	1 UJ
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l	0.065 U	1 UJ		0.065 U		1 UJ	0.065 U	1 UJ
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l	0.065 U	1 UJ		0.065 U		1 UJ	0.065 U	1 UJ
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l	0.065 U	1 UJ		0.065 U		1 UJ	0.065 U	1 UJ
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l	0.037 J	1 UJ		0.042 J		1 UJ	0.065 U	1 UJ
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l			5 U			5 U		
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	330		110 J	340	2.2 J	1.7 J	10 U	
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	50 U		5 U	50 U	3.2 U	5 U	10 U	
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l	50 U			50 U	0.54 U		10 U	
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	50 U		5 U	50 U	1.2 U	5 U	10 U	
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	50		39	33 J	1.2 U	5 U	10 U	
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	50 U		5 U	50 U	0.44 U	5 U	10 U	
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l			5 U			5 U		
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l			5 U			5 U		
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l			5 U			5 U		
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l			71			5 U		
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l			5 U		1.4 UJ	5 U		
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l			20			5 U		
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	50 U		5 U	50 U	1.3 U	5 U	10 U	
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l			5 U			5 U		
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	50 U		5 U	50 U	1.2 U	5 U	10 U	
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l			5 U			5 U		
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l			5 U			5 U		
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	50 UJ		5 U	50 UJ	1.2 U	5 U	10 UJ	
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l			5 U			5 U		
SW8260	67-64-1	ACETONE	50 (G)	ug/l	50 UJ		5 UJ	50 UJ	0.38 U	5 UJ	10 UJ	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-18_110205 MW-18 11/2/2005 MW-6A Groundwater	MW-18_111708 MW-18 11/17/2008 MG2184 Groundwater	MW-18_111908 MW-18 11/19/2008 MG2184 Groundwater	MW-18A_110205 MW-18 11/2/2005 MW-6A Groundwater	MW-19_052306 MW-19 5/23/2006 X2934 Groundwater	MW-19_101608 MW-19 10/16/2008 MG1844 Groundwater	MW-19_110205 MW-19 11/2/2005 MW-6A Groundwater	MW-19_111708 MW-19 11/17/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	50 U		5 U	50 U	1.2 U	5 U	10 U	
SW8260	108-86-1	BROMOBENZENE	5	ug/l			5 U			5 U		
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l			5 U			5 U		
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	50 U		5 U	50 U	0.88 U	5 U	10 U	
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	50 UJ		5 U	50 UJ	1.4 U	5 U	10 UJ	
SW8260	74-83-9	BROMOMETHANE	5	ug/l	50 UJ		5 U	50 UJ	0.44 U	5 U	10 UJ	
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	50 U		5 U	50 U	0.46 U	5 U	10 U	
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	50 U		5 U	50 U	1.1 U	5 U	10 U	
SW8260	75-00-3	CHLOROETHANE	5	ug/l	50 U		5 U	50 U	0.3 U	5 U	10 U	
SW8260	67-66-3	CHLOROFORM	7	ug/l	50 U		5 U	50 U	1.6 U	5 U	10 U	
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	50 U		10 U	50 U	0.41 UJ	5 U	10 U	
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	50 U		5.5	50 U	1.2 U	5 U	10 U	
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	50 U		5 U	50 U	1.1 U	5 U	10 U	
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	50 U			50 U	1.3 UJ		10 U	
SW8260	99-87-6	CYMENE	5	ug/l			5 U			5 U		
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	50 U		5 U	50 U	1.2 U	5 U	10 U	
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l			5 U			5 U		
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	50 U		10 U	50 U	0.46 U	5 U	10 U	
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	51		59	54		5 U	10 U	
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	34 J		59	35 J	1.3 U	5 U	10 U	
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l			5 U			5 U		
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l			5 U			5 U		
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	50 U		16	50 U	3.6 U	5 U	10 U	
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	50 U			50 U	1.5 U		10 U	
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	50 U		5 UJ	50 U	1.3 U	5 UJ	10 U	
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	50 U			50 U	1.4 U		10 U	
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	50 U		5 U	50 U	1.2 U	5 U	10 U	
SW8260	136777-61-2	M-P-XYLENE	5	ug/l					1.3 U			
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l			300 D			5 U		
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l			6			5 U		
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l			13			5 U		
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	26 J		25	33 J	1.3 U	5 U	10 U	
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l			4.6 J			5 U		
SW8260	100-42-5	STYRENE	5	ug/l	50 U		5 U	50 U	1 U	5 U	10 U	
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l			5 U			5 U		
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	50 U		5 U	50 U	1.7 U	5 U	10 U	
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	50 U		1.4 J	50 U	1.4 U	5 U	10 U	
SW8260	108-88-3	TOLUENE	5	ug/l	50 U		1.3 J	50 U	1.3 U	5 U	10 U	
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	50 U		5 U	50 U	1.5 U	5 U	10 U	
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	50 U		5 U	50 U	1.4 U	5 U	10 U	
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	50 U		5 U	50 U	1.5 U	5 U	10 U	
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	50 U		5 U	50 U	0.5 U	5 U	10 U	
SW8260	108-05-4	VINYL ACETATE	NS	ug/l			5 U			5 U		
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	50 U		10 U	50 U	0.32 U	5 U	10 U	
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l			84			5 U		
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	20 U			50 U			5 U	
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	20 U			50 U			5 U	
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	20 U			50 U			5 U	
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	20 U			50 U			5 U	
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	20 U			50 U	0.17 U		5 U	
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	20 U			50 U	1.1 U		5 U	
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	20 U			50 U	1.1 U		5 U	
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	20 U			50 U	1.5 U		5 U	
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	100 UJ			250 UJ	0.4 UJ		25 UJ	
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	20 U			50 U	0.43 U		5 U	
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	20 U			50 U	1.3 U		5 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-18_110205 MW-18 11/2/2005 MW-6A Groundwater	MW-18_111708 MW-18 11/17/2008 MG2184 Groundwater	MW-18_111908 MW-18 11/19/2008 MG2184 Groundwater	MW-18A_110205 MW-18 11/2/2005 MW-6A Groundwater	MW-19_052306 MW-19 5/23/2006 X2934 Groundwater	MW-19_101608 MW-19 10/16/2008 MG1844 Groundwater	MW-19_110205 MW-19 11/2/2005 MW-6A Groundwater	MW-19_111708 MW-19 11/17/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	20 U			50 U	0.33 U		5 U	
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	20 U			50 U	1.5 U		5 U	
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	190 J			490 J	0.84 U		5 U	
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	20 U			50 U	1.2 U		5 U	
SW8270	88-74-4	2-NITROANILINE	5	ug/l	100 U			250 U	0.41 U		25 U	
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	20 U			50 U	1.5 U		5 U	
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	40 U			100 U	0.36 U		10 U	
SW8270	99-09-2	3-NITROANILINE	5	ug/l	100 U			250 U	0.42 U		25 U	
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	100 U			250 U	1.1 UJ		25 U	
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	20 U			50 U	0.33 U		5 U	
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	20 U			50 U	1.2 U		5 U	
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	20 U			50 U	1.3 U		5 U	
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	20 U			50 U	0.38 U		5 U	
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	20 U			50 U	1.4 U		5 U	
SW8270	100-01-6	4-NITROANILINE	5	ug/l	100 U			250 U	1.1 U		25 U	
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	100 U			250 U	0.28 U		25 U	
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	20 U			50 U	2.3 U		5 U	
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	20 U			50 U	0.22 U		5 U	
SW8270	98-86-2	ACETOPHENONE	NS	ug/l					1.6 U			
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	20 U			50 U	0.46 U		5 U	
SW8270	1912-24-9	ATRAZINE	7.5	ug/l					0.34 U			
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l					1.1 UJ			
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	20 U			50 U	0.41 U		5 U	
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	20 U			50 U	0.45 U		5 U	
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	20 U			50 U	0.48 U		5 U	
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	20 U			50 U	0.41 U		5 U	
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	20 U			50 U	0.47 U		5 U	
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	20 U			50 U	0.32 U		5 U	
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l					0.34 U			
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	20 U			50 U	1.1 U		5 U	
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	20 U			50 U	1.3 U		5 U	
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	20 U			50 U	1.3 U		5 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	20 U			50 U	2.5 J		5 U	
SW8270	105-60-2	CAPROLACTAM	NS	ug/l					1.9 UJ			
SW8270	86-74-8	CARBAZOLE	NS	ug/l	20 U			50 U	0.4 U		5 U	
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	20 U			50 U	1.7 U		5 U	
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	20 U			50 U	0.46 U		5 U	
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	20 U			50 U	0.2 U		5 U	
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	20 U			50 U	0.4 U		5 U	
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	20 U			50 U	0.83 U		5 U	
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	20 U			50 U	0.33 U		5 U	
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	20 U			50 U	0.32 U		5 U	
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	20 U			50 U	1.6 U		5 U	
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	14 J			52 J	0.36 U		5 U	
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	20 U			50 U	0.32 U		5 U	
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	20 U			50 U	0.76 U		5 U	
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	20 U			50 U	0.88 UJ		5 U	
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	20 U			50 U	1.3 U		5 U	
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	20 U			50 U	1.2 U		5 U	
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	20 U			50 U	1.2 U		5 U	
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	140			230 J	1.7 U		5 U	
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	20 U			50 U	1.3 U		5 U	
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	20 U			50 U	1.4 U		5 U	
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	20 U			50 U	0.29 U		5 U	
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	100 U			250 U	0.39 U		25 U	
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	12 J			53 J	0.34 U		5 U	
SW8270	108-95-2	PHENOL	1	ug/l	20 U			50 U	1.3 J		5 U	
SW8270	129-00-0	PYRENE	50 (G)	ug/l	20 U			50 U	0.36 U		5 U	

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method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l			3.9 U				3.9 U	
SW6010	7440-39-3	BARIUM	1000	ug/l			47.6 BE				20 BE	
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l			0.2 U				0.2 U	
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l			2.6 B				3.9 B	
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l			2.8 UN				2.8 UN	
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l			4.6 UN				4.6 UN	
SW6010	7440-22-4	SILVER	50	ug/l			2.7 UN				2.7 UN	
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l			0.1 U				0.1 U	
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l			2900				110	
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l			0.065 U				0.067 U	
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l			0.065 U				0.067 U	
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l			0.065 U				0.067 U	
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l			0.065 U				0.067 U	
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l			0.065 U				0.067 U	
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l			0.065 U				0.067 U	
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l			0.065 U				0.067 U	
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	1.5 J	19	33	1.1 U	5 U		10 U	5 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	10 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l			10 U	1.3 U			10 U	
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	5 U	5 U	10 U	1.5 U	5 U		10 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	10 U	5 U			5 U			5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	10 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	10 U	5 U		1.3 UJ	5 U			5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	10 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	10 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	10 U	5 U	10 U	1.6 U	5 U		10 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	10 U	5 U	10 UJ	3.6 U	5 U		10 UJ	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ	5 UJ	10 UJ	1.2 U	5 UJ		10 UJ	5 UJ

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method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	10 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	10 U	5 U	10 U	1.1 U	5 U		10 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	10 U	5 U	10 UJ	1.3 U	5 U		10 UJ	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U	5 U	10 UJ	1.5 U	5 U		10 UJ	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U	5 U	10 U	1.6 U	5 U		10 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U	5 U	10 U	1.5 UJ	5 U		10 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	5 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	10 U	5 U	10 U	1 U	5 U		10 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l			10 U	1.4 UJ			10 U	
SW8260	99-87-6	CYMENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	10 U	5 U	10 U	3.2 U	5 U		10 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	10 U	5 U	10 U		5 U		10 U	5 U
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	10 U	5 U			5 U			5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U	5 U			5 U			5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	10 U	5 U	10 U	1.5 U	5 U		10 U	5 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l			10 U	1.4 U			10 U	
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 UJ	5 U	10 U	0.88 U	5 UJ		10 U	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	10 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l			10 U	1.2 U			10 U	
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l				1.4 U				
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	10 U	5 U			5 U			5 U
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	10 U	5 U	4 J	1.1 U	5 U		10 U	5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	100-42-5	STYRENE	5	ug/l	10 U	5 U	10 U	1.6 U	5 U		10 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	10 U	5 U			5 U			5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	10 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	10 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	10 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	10 U	5 U	10 U	1.4 U	5 U		10 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U	5 U	10 U	1.3 U	5 U		10 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U	5 U			5 U			5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U	5 U	10 U	1.2 U	5 U		10 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	10 U	5 U				5 U		5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l		10 U	5 U				5 U	
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l		10 U	5 U				5 U	
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l		10 U	5 U				5 U	
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l		10 U	5 U				5 U	
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l		20 U	5 U	0.28 U			5 U	
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l		10 U	5 U	0.4 U			5 U	
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l		10 U	5 U	0.34 U			5 U	
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l		10 U	5 U	1.1 U			5 U	
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l		20 UJ	25 UJ	0.34 UJ			25 UJ	
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l		10 U	5 U	0.4 U			5 U	
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l		10 U	5 U	1.1 U			5 U	

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method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l		10 U	5 U	0.43 U			5 U	
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l		10 U	5 U	1.5 U			5 U	
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l		10 U	25 J	0.42 U			5 U	
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l		10 U	5 U	1.1 U			5 U	
SW8270	88-74-4	2-NITROANILINE	5	ug/l		20 U	25 U	0.4 U			25 U	
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l		10 U	5 U	0.88 U			5 U	
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l		10 UJ	10 U	0.46 U			10 U	
SW8270	99-09-2	3-NITROANILINE	5	ug/l		20 U	25 U	0.29 U			25 U	
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l		20 U	25 U	0.41 UJ			25 U	
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l		10 U	5 U	0.26 U			5 U	
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l		10 U	5 U	1.3 U			5 U	
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l		10 UJ	5 U	0.41 U			5 U	
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l		10 U	5 U	1.6 U			5 U	
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l		10 U	5 U	1.3 U			5 U	
SW8270	100-01-6	4-NITROANILINE	5	ug/l		20 U	25 U	0.36 U			25 U	
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l		20 U	25 U	0.34 U			25 U	
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l		10 U	5 U	0.33 U			5 U	
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l		10 U	5 U	1.1 U			5 U	
SW8270	98-86-2	ACETOPHENONE	NS	ug/l				1.7 U				
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l		10 U	5 U	0.32 U			5 U	
SW8270	1912-24-9	ATRAZINE	7.5	ug/l				0.48 U				
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l				1.3 UJ				
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l		10 U	5 U	1.7 U			5 U	
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l		10 U	5 U	1.3 U			5 U	
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l		10 U	5 U	1.5 U			5 U	
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l		10 U	5 U	1.2 U			5 U	
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l		10 U	5 U	1.3 U			5 U	
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l		10 U	5 U	0.38 U			5 U	
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l				0.2 U				
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l		10 U	5 U	0.17 U			5 U	
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l		10 U	5 U	1.5 U			5 U	
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l		10 U	5 U	1.1 U			5 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l		2 J	5 U	4.4 J			5 U	
SW8270	105-60-2	CAPROLACTAM	NS	ug/l				0.22 UJ				
SW8270	86-74-8	CARBAZOLE	NS	ug/l		10 U	5 U	0.3 U			5 U	
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l		10 U	5 U	1.3 U			5 U	
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l		10 U	5 U	1.4 U			5 U	
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l		10 U	5 U	0.46 U			5 U	
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l		10 U	5 U	0.33 U			5 U	
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l		10 U	5 U	0.38 U			5 U	
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l		10 U	0.6 J	0.5 U			5 U	
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l		10 U	5 U	1.2 U			5 U	
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l		10 U	5 U	0.54 U			5 U	
SW8270	86-73-7	FLUORENE	50 (G)	ug/l		10 U	2 J	0.32 U			5 U	
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l		10 U	5 U	0.32 U			5 U	
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l		10 U	5 U	0.83 U			5 U	
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l		10 UJ	5 U	2.3 UJ			5 U	
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l		10 U	5 U	1.9 U			5 U	
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l		10 U	5 U	1.3 U			5 U	
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l		10 U	5 U	0.84 U			5 U	
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l		10 U	5 J	0.33 U			5 U	
SW8270	98-95-3	NITROBENZENE	0.4	ug/l		10 U	5 U	1.2 U			5 U	
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l		10 U	5 U	0.76 U			5 U	
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l		10 U	5 U	1.7 U			5 U	
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l		20 U	25 U	0.47 U			25 U	
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l		10 U	2 J	0.41 U			5 U	
SW8270	108-95-2	PHENOL	1	ug/l		10 U	5 U	1.2 U			5 U	
SW8270	129-00-0	PYRENE	50 (G)	ug/l		10 U	5 U	0.44 U			5 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-22_052306 MW-22 5/23/2006 X2934 Groundwater	MW-22_110205 MW-22 11/2/2005 MW-6A Groundwater	MW-23_101508 MW-23 10/15/2008 MG1845 Groundwater	MW-23_111808 MW-23 11/18/2008 MG2184 Groundwater	MW-24_052306 MW-24-MH 5/23/2006 X2934 Groundwater	MW-24_110205 MW-24-MH 11/2/2005 MW-6A Groundwater	MW-25_052306 MW-25-MH 5/23/2006 X2934 Groundwater	MW-25_111605 MW-25-MH 11/16/2005 T5801 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.9 U				3.9 U		3.32 UJ
SW6010	7440-39-3	BARIUM	1000	ug/l		160 BE				21.9 BE		348
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.2 U				0.2 U		0.327 U
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		2.6 B				2.3 U		1.2 U
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		2.8 UN				2.8 UN		3.9 U
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		4.6 UN				4.6 UN		3.04 U
SW6010	7440-22-4	SILVER	50	ug/l		2.7 UN				2.7 UN		1.64 NJ
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.1 U				0.1 U		0.03 UNJ
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l		5500				100 U		
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								1680
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.066 U				0.066 U		0.148 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.066 U				0.066 U		0.173 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.066 U				0.066 U		0.111 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.066 U				0.066 U		0.085 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.066 U				0.066 U		0.043 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.066 U				0.066 U		0.038 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.066 U				0.066 U		0.16 U
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l			5 U	5 U				
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	1.1 U	10 U	5 U	5 U	0.39 U	10 U	0.46 U	0.32 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	1.2 UJ	10 U	5 U	5 U	0.54 U	10 U	1.2 U	0.3 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l	1.3 U	10 U			2.3 U	10 U	0.4 U	1.3 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	1.4 U	10 U	5 U	5 U	0.26 U	10 U	1.3 U	0.41 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	1.5 U	10 U	5 U	5 U	1.1 U	10 U	0.26 U	0.38 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	1.4 U	10 U	5 U	5 U	0.4 U	10 U	0.33 U	0.42 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l			5 U	5 U				
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l			5 U	5 U				
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l			5 U	5 U				
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	1.3 U	10 U	5 U	5 U	1.3 U	10 U	1.4 U	0.46 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l			8.7	12				
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	1.4 UJ	10 U	5 U	5 U	1.7 U	10 U	0.88 U	0.38 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	1.3 UJ		5 U	5 U	0.47 UJ		1.5 UJ	0.32 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	1.4 U	10 U	5 U	5 U	0.46 U	10 U	1.4 U	0.44 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	1.2 U	10 U	5 U	5 U	0.4 U	10 U	0.44 U	0.34 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	1.4 U	10 U	5 U	5 U	1.6 U	10 U	0.5 U	0.4 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l			5.3	5.8				
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	1.3 U	10 U	5 U	5 U	0.44 U	10 U	1.4 U	0.5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l			5 U	5 U				
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	1.6 U	10 U	5 U	5 U	0.38 U	10 U	1.5 U	0.54 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l			5 U	5 U				
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l			5 U	5 U				
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	3.6 U	10 UJ	5 U	5 U	0.32 U	10 UJ	1.5 U	1.7 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l			5 U	5 U				
SW8260	67-64-1	ACETONE	50 (G)	ug/l	1.2 U	10 UJ	5 UJ	5 UJ	0.28 U	10 UJ	1.6 U	22 J

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-22_052306 MW-22 5/23/2006 X2934 Groundwater	MW-22_110205 MW-22 11/2/2005 MW-6A Groundwater	MW-23_101508 MW-23 10/15/2008 MG1845 Groundwater	MW-23_111808 MW-23 11/18/2008 MG2184 Groundwater	MW-24_052306 MW-24-MH 5/23/2006 X2934 Groundwater	MW-24_110205 MW-24-MH 11/2/2005 MW-6A Groundwater	MW-25_052306 MW-25-MH 5/23/2006 X2934 Groundwater	MW-25_111605 MW-25-MH 11/16/2005 T5801 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	1.2 U	10 U	5 U	5 U	0.46 U	10 U	0.32 U	0.39 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l			5 U	5 U				
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l			5 U	5 U				
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	1.1 U	10 U	5 U	5 U	0.36 U	10 U	0.54 U	0.33 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	1.3 UJ	10 UJ	5 U	5 U	0.3 U	10 UJ	1.3 U	0.32 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	1.5 UJ	10 UJ	5 U	5 U	0.22 U	10 UJ	0.39 U	0.41 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	1.6 U	10 U	5 U	5 U	0.2 U	10 U	0.36 U	0.4 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	1.4 U	10 U	5 U	5 U	0.33 U	10 U	0.47 U	1.1 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	1.4 U	10 U	5 U	5 U	1.2 U	10 U	1.3 U	0.47 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	1.2 U	10 U	5 U	5 U	1.3 U	10 U	0.34 U	0.83 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	1.4 U	10 U	5 U	5 U	0.34 U	10 U	1.2 U	0.33 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	1.5 UJ	10 U	5 U	5 U	0.41 UJ	10 U	0.32 UJ	0.34 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	1.3 UJ	10 U	5 U	5 U	0.32 U	10 U	0.45 U	0.29 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	1 U	10 U	5 U	5 U	1.7 U	10 U	1.7 U	0.36 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	1.4 UJ	10 U			1.1 UJ	10 U	0.32 UJ	0.36 U
SW8260	99-87-6	CYMENE	5	ug/l			5 U	1.3 J				
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	3.2 UJ	10 U	5 U	5 U	0.48 U	10 U	1.2 U	0.26 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l			5 U	5 U				
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	1.3 U	10 U	5 U	5 U	0.33 U	10 U	0.33 U	0.17 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l		10 U	4.3 J	6		10 U		
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	1.4 U	10 U	4.5 J	4.4 J	0.46 U	10 U	1.3 U	0.45 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l			5 U	5 U				
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l			5 U	5 U				
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	1.5 U	10 U	1.6 J	1.9 J	0.5 U	10 U	1.4 U	0.44 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	1.4 U	10 U			0.4 U	10 U	0.36 U	0.2 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	0.88 U	10 U	5 UJ	5 UJ	0.29 U	10 U	0.48 U	1.1 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	1.3 U	10 U	5 U	5 U	0.32 U	10 U	0.44 U	1.6 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	1.2 UJ	10 U			0.34 U	10 U	0.41 U	0.34 U
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	1.2 U	10 U	5 U	5 U	0.38 U	10 U	0.41 U	0.43 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l	1.4 U				0.41 U		1.4 U	1.2 U
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l			18	13				
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l			2.8 J	3.2 J				
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l			1.6 J	1.6 J				
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	1.1 U	10 U	1.4 J	1.4 J	0.32 U	10 U	1.2 U	0.46 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l			5 U	1.3 J				
SW8260	100-42-5	STYRENE	5	ug/l	1.6 U	10 U	5 U	5 U	0.44 U	10 U	1.6 U	0.41 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l			5 U	5 U				
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	1.3 U	10 U	5 U	5 U	0.43 U	10 U	0.32 U	0.28 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	1.2 U	10 U	5 U	5 U	0.45 U	10 U	1.3 U	0.48 U
SW8260	108-88-3	TOLUENE	5	ug/l	1.3 U	10 U	1.2 J	1.8 J	0.36 U	10 U	0.38 U	0.36 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	1.4 UJ	10 U	5 U	5 U	0.36 U	10 U	1.7 U	0.4 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	1.3 U	10 U	5 U	5 U	0.41 U	10 U	0.46 U	0.32 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	1.4 U	10 U	5 U	5 U	0.33 U	10 U	0.3 U	0.46 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	1.4 U	10 U	5 U	5 U	0.42 U	10 U	0.46 U	0.22 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l			5 U	5 U				
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	1.2 U	10 U	5 U	5 U	0.83 U	10 U	0.34 U	0.33 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l			5.7	7.4				
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l		10 U				5 U		
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l		10 U				5 U		
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l		10 U				5 U		
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l		10 U				5 U		
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	0.28 U	10 U			1.4 U	5 U	1.6 U	1.3 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	0.4 U	10 U			1.4 U	5 U	1.3 U	1.2 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	0.34 U	10 U			0.87 U	5 U	1.2 U	1.5 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	1.1 U	10 U			1.4 U	5 U	3.6 U	1.2 U
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	0.34 UJ	50 UJ			1.3 UJ	25 UJ	1.1 UJ	3.6 U
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	0.4 U	10 U			1.4 U	5 U	0.77 U	1.3 U
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	1.1 U	10 U			1.4 U	5 U	1.5 U	1.3 U

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-22_052306 MW-22 5/23/2006 X2934 Groundwater	MW-22_110205 MW-22 11/2/2005 MW-6A Groundwater	MW-23_101508 MW-23 10/15/2008 MG1845 Groundwater	MW-23_111808 MW-23 11/18/2008 MG2184 Groundwater	MW-24_052306 MW-24-MH 5/23/2006 X2934 Groundwater	MW-24_110205 MW-24-MH 11/2/2005 MW-6A Groundwater	MW-25_052306 MW-25-MH 5/23/2006 X2934 Groundwater	MW-25_111605 MW-25-MH 11/16/2005 T5801 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	0.43 U	10 U			1.3 U	5 U	1.4 U	1.4 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	1.5 U	10 U			1.2 U	5 U	1.2 U	1.2 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	0.42 U	10 U			1.2 U	5 U	1.5 U	1.1 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	1.1 U	10 U			1.2 U	5 U	1.2 U	1.6 U
SW8270	88-74-4	2-NITROANILINE	5	ug/l	0.4 U	50 U			1.3 U	25 U	1.3 U	1.1 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	0.88 U	10 U			1.4 U	5 U	1 U	1.4 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	0.46 U	20 U			1.7 U	10 U	0.43 U	1.1 U
SW8270	99-09-2	3-NITROANILINE	5	ug/l	0.29 U	50 U			3.5 U	25 U	1.5 U	1.1 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	0.41 UJ	50 U			1.5 UJ	25 U	1.1 UJ	1.7 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	0.26 U	10 U			1.3 U	5 U	0.34 U	1.5 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	1.3 U	10 U			1.2 U	5 U	1.3 U	1.4 U
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	0.41 U	10 U			1.3 U	5 U	1.4 U	0.89 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	1.6 U	10 U			1.1 U	5 U	1.2 U	1.4 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	1.3 U	10 U			1.2 U	5 U	1.4 U	1.4 U
SW8270	100-01-6	4-NITROANILINE	5	ug/l	0.36 U	50 U			1.3 U	25 U	0.89 U	1.2 UJ
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	0.34 U	50 U			1.2 U	25 U	1.7 U	3.2 U
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	0.33 U	10 U			3.1 U	5 U	5.3 J	4.3 J
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	1.1 U	10 U			1 U	5 U	1.2 U	1.3 U
SW8270	98-86-2	ACETOPHENONE	NS	ug/l	1.7 U				1.4 U		1.4 U	1.3 U
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	0.32 U	10 U			1.3 U	5 U	1.3 U	1.5 U
SW8270	1912-24-9	ATRAZINE	7.5	ug/l	0.48 U				1.4 U		0.41 U	1.3 U
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l	1.3 UJ				1.5 UJ		1.3 UJ	1.7 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	1.7 U	10 U			1.3 U	5 U	0.4 U	1.2 U
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	1.3 U	10 U			1.1 U	5 U	0.33 U	1.2 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	1.5 U	10 U			0.84 U	5 U	1.1 U	0.78 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	1.2 U	10 U			0.33 U	5 U	0.39 U	1.1 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	1.3 U	10 U			0.87 U	5 U	0.29 U	2 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	0.38 U	10 U			1.1 U	5 U	0.2 U	1.5 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	0.2 U				1.1 U		1.5 U	1.5 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	0.17 U	10 U			1.4 U	5 U	3.2 U	1.4 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	1.5 U	10 U			1.5 U	5 U	1.1 U	1.5 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	1.1 U	10 U			1.3 U	5 U	1.3 U	1.3 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	15	10 U			2.4 J	5 U	4.4 J	7.5 J
SW8270	105-60-2	CAPROLACTAM	NS	ug/l	0.22 U				1.1 UJ		1.7 UJ	1.3 UJ
SW8270	86-74-8	CARBAZOLE	NS	ug/l	0.3 U	10 U			1.2 U	5 U	0.42 U	1.3 U
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	1.3 U	10 U			0.76 U	5 U	0.38 U	1.7 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	1.4 U	10 U			0.34 U	5 U	0.34 U	0.9 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	0.46 U	10 U			1.3 U	5 U	2.1 J	1.8 J
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	0.33 U	10 U			1.4 U	5 U	1.9 U	1.4 U
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	0.38 U	10 U			1.3 U	5 U	1.3 U	1.3 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	6.8 J	10 U			1.5 U	0.7 J	2.3 U	1.4 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	1.2 U	10 U			1.2 U	5 U	1.1 U	1.3 U
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	0.54 U	10 U			1.4 U	5 U	0.4 U	1.3 U
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	0.32 U	9 J			1.6 U	5 U	5.9 J	4.8 J
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	0.32 U	10 U			1.6 U	5 U	0.33 U	1.3 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	0.83 U	10 U			1.4 U	5 U	1.1 U	1.4 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	2.3 UJ	10 U			1.2 UJ	5 U	1.3 UJ	1.2 U
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	1.9 U	10 U			1.3 U	5 U	1.3 U	1.2 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	1.3 U	10 U			0.17 U	5 U	0.32 U	0.86 U
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	0.84 U	10 U			1.2 U	5 U	1.3 U	1.3 U
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	0.33 U	10 U			1.4 U	5 U	1.4 U	1.4 U
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	1.2 U	10 U			1.4 U	5 U	1.3 U	1.6 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	0.76 U	10 U			1.6 U	5 U	1.1 U	1.4 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	1.7 U	10 U			1.2 U	5 U	0.17 U	1.3 U
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	0.47 U	50 U			1.4 U	25 U	0.83 U	1.6 U
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	51	16 J			1.3 U	5 U	0.22 U	1.5 U
SW8270	108-95-2	PHENOL	1	ug/l	1.2 U	10 U			1.2 U	5 U	1.4 U	1.3 U
SW8270	129-00-0	PYRENE	50 (G)	ug/l	1.5 J	10 U			1.1 U	5 U	0.28 U	1.5 U

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-26_052306 MW-26-MH 5/23/2006 X2934 Groundwater	MW-26_111605 MW-26-MH 11/16/2005 T5801 Groundwater	MW-27_052306 MW-27-MH 5/23/2006 X2934 Groundwater	MW-27_111605 MW-27-MH 11/16/2005 T5801 Groundwater	MW-28_052306 MW-28 5/23/2006 X2934 Groundwater	MW-28_110205 MW-28 11/2/2005 MW-6A Groundwater	MW-29_101408 MW-29 10/14/2008 MG1845 Groundwater	MW-30_052206 MW-30 5/22/2006 ME0675 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.32 UJ		3.32 UJ		3.9 U		
SW6010	7440-39-3	BARIUM	1000	ug/l		243		48.6 J		455 E		
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.327 U		0.327 U		0.2 U		
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		1.23 U		1.3 U		8.5 B		
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		2.18 U		10.5 U		2.8 UN		
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		3.34 J		3.04 U		4.6 UN		
SW6010	7440-22-4	SILVER	50	ug/l		1.64 NJ		1.64 NJ		2.7 UN		
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.03 UNJ		0.03 UNJ		0.1 U		
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l						14000		
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l		565		200				
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.151 U		0.151 U		0.066 U		
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.177 U		0.177 U		0.066 U		
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.114 U		0.114 U		0.066 U		
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.087 U		0.087 U		0.066 U		
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.044 U		0.044 U		0.066 U		
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.039 U		0.039 U		0.066 U		
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.16 U		0.16 U		0.066 U		
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l							20 U	5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	0.48 U	0.32 U	0.34 U	0.32 U	1.3 U	10 U	20 U	89
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	1.2 U	0.3 U	0.44 U	0.3 U	1.5 U	10 U	20 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l	0.34 U	1.3 U	0.4 U	1.3 U	1.5 U	10 U		
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	0.44 U	0.41 U	0.32 U	0.41 U	1 U	10 U	20 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	0.32 U	0.38 U	1.1 U	0.38 U	1.4 U	10 U	20 U	3 J
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	0.39 U	0.42 U	0.28 U	0.42 U	1.2 U	10 U	20 U	2 J
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l							20 U	5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l							20 U	5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l							20 U	5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	1.4 U	0.46 U	1.5 U	0.46 U	1.4 U	10 U	20 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l							220	15
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	1.2 U	0.38 U	1.3 U	0.38 U	1.4 U	10 U	20 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	1.7 UJ	0.32 U	0.45 UJ	0.32 U	3.1 UJ		20 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	1.4 U	0.44 U	1.7 U	0.44 U	1.6 U	10 U	20 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	1.2 U	0.34 U	0.33 U	0.34 U	1.2 U	10 U	20 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	0.41 U	0.4 U	0.36 U	0.4 U	1.4 U	10 U	20 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l							51	5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	1.6 U	0.5 U	0.38 U	0.5 U	1.2 U	10 U	20 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l							20 U	5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	1.3 U	0.54 U	0.46 U	0.54 U	1.3 U	10 U	20 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l							20 U	5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l							20 U	5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	0.38 U	1.7 U	0.48 U	1.7 U	1.4 U	10 UJ	20 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l							20 U	5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	0.34 U	2.3 U	0.2 U	2.3 U	1.2 U	10 UJ	20 UJ	5 UJ

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-26_052306 MW-26-MH 5/23/2006 X2934 Groundwater	MW-26_111605 MW-26-MH 11/16/2005 T5801 Groundwater	MW-27_052306 MW-27-MH 5/23/2006 X2934 Groundwater	MW-27_111605 MW-27-MH 11/16/2005 T5801 Groundwater	MW-28_052306 MW-28 5/23/2006 X2934 Groundwater	MW-28_110205 MW-28 11/2/2005 MW-6A Groundwater	MW-29_101408 MW-29 10/14/2008 MG1845 Groundwater	MW-30_052206 MW-30 5/22/2006 ME0675 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	0.45 U	0.39 U	0.4 U	0.39 U	1.2 U	10 U	31	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l							20 U	5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l							20 U	5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	0.32 U	0.33 U	0.32 U	0.33 U	1.4 U	10 U	20 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	1.3 U	0.32 U	0.5 U	0.32 U	1.6 U	10 UJ	20 U	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	0.29 U	0.41 U	1.3 U	0.41 U	1.3 U	10 UJ	20 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	0.46 U	0.4 U	0.43 U	0.4 U	1.3 U	10 U	20 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	1.7 U	1.1 U	0.32 U	1.1 U	1.4 U	10 U	20 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	1.5 U	0.47 U	0.46 U	0.47 U	1.2 U	10 U	20 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	0.33 U	0.83 U	0.42 U	0.83 U	1.5 U	10 U	20 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	0.32 U	0.33 U	0.39 U	0.33 U	1.4 U	10 U	20 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	1.1 UJ	0.34 U	0.83 UJ	0.34 U	0.46 UJ	10 U	20 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	0.26 U	0.29 U	0.34 U	0.29 U	0.87 U	10 U	20 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	0.54 U	0.36 U	0.26 U	0.36 U	1.3 U	10 U	20 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	0.36 UJ	0.36 U	0.29 UJ	0.36 U	1.2 UJ	10 U		
SW8260	99-87-6	CYMENE	5	ug/l							20 U	5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	0.46 U	0.26 U	0.47 U	0.26 U	3.5 U	10 U	20 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l							20 U	5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	0.36 U	0.17 U	0.41 U	0.17 U	0.38 U	10 U	20 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l						10 U		6
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	1.2 U	0.78 J	0.41 U	0.45 U	1.3 U	10 U	52	1 J
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l							20 U	5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l							20 U	5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	1.4 U	0.44 U	0.54 U	0.44 U	1.3 U	10 U	12 J	2 J
SW8260	179601-23-1	M,P-XYLENES	5	ug/l							120	
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	0.33 U	0.2 U	0.38 U	0.2 U	1.2 U	10 U		
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	0.41 U	1.1 U	0.33 U	1.1 U	1.4 U	10 U	20 UJ	5 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	0.44 U	1.6 U	0.36 U	1.6 U	1.1 U	10 U	20 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	0.47 U	0.34 U	0.46 U	0.34 U	1.4 U	10 U		
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	1.6 U	0.43 U	0.36 U	0.43 U	1.6 U	10 U	20 U	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l	1.5 U	1.2 U	0.32 U	1.2 U	1.4 U			
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l							440	12 U
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l							16 J	5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l							17 J	1 J
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	1.3 U	0.46 U	0.44 U	0.46 U	1.4 U	10 U	26	9
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l							6.2 J	5 U
SW8260	100-42-5	STYRENE	5	ug/l	1.3 U	0.41 U	0.3 U	0.41 U	1.1 U	10 U	20 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l							20 U	5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	0.4 U	0.28 U	0.4 U	0.28 U	1.4 U	10 U	20 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	1.3 U	0.48 U	1.2 U	0.48 U	1.3 U	10 U	20 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	0.3 U	0.36 U	0.41 U	0.36 U	1.3 U	10 U	13 J	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	0.36 U	0.4 U	1.1 U	0.4 U	1.3 U	10 U	20 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	0.5 U	0.32 U	1.7 U	0.32 U	1.3 U	10 U	20 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	0.46 U	0.46 U	1.6 U	0.46 U	1.2 U	10 U	20 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	0.32 U	0.22 U	2.3 U	0.22 U	1.2 U	10 U	20 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l							20 U	5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	1.1 U	0.33 U	0.22 U	0.33 U	1.7 U	10 U	20 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l							150	15
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l						5 U		10 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l						5 U		10 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l						5 U		10 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l						5 U		10 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	1.3 U	1.3 U	1.3 U	1.2 U	0.4 U	5 U		
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	1.7 U	1.2 U	1.3 U	1.2 U	2.3 U	5 U		
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	1.3 U	1.5 U	1.4 U	1.5 U	0.17 U	5 U		
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	1.3 U	1.2 U	1.4 U	1.2 U	0.87 U	5 U		
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	1.2 UJ		1.6 UJ	3.6 U	0.29 UJ	25 UJ		
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	1.1 U	1.2 U	1.2 U	1.2 U		5 U		10 U
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	1.4 U	1.3 U	1.3 U	1.3 U		5 U		10 U

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-26_052306 MW-26-MH 5/23/2006 X2934 Groundwater	MW-26_111605 MW-26-MH 11/16/2005 T5801 Groundwater	MW-27_052306 MW-27-MH 5/23/2006 X2934 Groundwater	MW-27_111605 MW-27-MH 11/16/2005 T5801 Groundwater	MW-28_052306 MW-28 5/23/2006 X2934 Groundwater	MW-28_110205 MW-28 11/2/2005 MW-6A Groundwater	MW-29_101408 MW-29 10/14/2008 MG1845 Groundwater	MW-30_052206 MW-30 5/22/2006 ME0675 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	1.3 U	1.4 U	1 U	1.4 U		5 U		10 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	1.4 U	1.2 U	1.2 U	1.2 U	1.5 U	5 U		
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	1.4 U	1.1 U	22	1.1 U		5 U		9 J
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	1.3 U	1.5 U	1.3 U	1.5 U	1.4 U	5 U		
SW8270	88-74-4	2-NITROANILINE	5	ug/l	1.3 U	1.1 U	3.5 U	1.1 U		25 U		20 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	1.1 U	1.4 U	1.4 U	1.4 U	0.84 U	5 U		
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	2.3 U	1.1 U	0.17 U	1.1 U		10 U		10 UJ
SW8270	99-09-2	3-NITROANILINE	5	ug/l	1.3 U	1 U	1.4 U	1 UJ		25 U		20 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	1.9 UJ	1.7 U	1.2 UJ	1.6 U	0.33 UJ	25 U		
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	0.85 U	1.5 U	1.4 U	1.5 U		5 U		10 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	1.4 U	1.4 U	1.2 U	1.4 U	0.22 U	5 U		
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	3.6 U	0.88 U	1.4 U	0.88 UJ		5 U		10 UJ
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	1.7 U	1.4 U	1.6 U	1.4 U		5 U		10 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	1.2 U	1.3 U	1.6 U	1.3 U	1.7 U	5 U		
SW8270	100-01-6	4-NITROANILINE	5	ug/l	0.77 U	1.1 UJ	1.3 U	1.1 UJ		25 U		20 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	1.5 U	3.2 U	1.3 U		0.33 U	25 U		
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	5.3 J	2.4 J	8.2 J	1.4 U		5 U		10 U
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	1.5 U	1.3 U	1.2 U	1.3 U		5 U		10 U
SW8270	98-86-2	ACETOPHENONE	NS	ug/l	1.1 U	1.3 U	1.2 U	1.3 U				
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	0.33 U	1.4 U	1.7 J	1.4 U		5 U		10 U
SW8270	1912-24-9	ATRAZINE	7.5	ug/l	1.1 U	1.3 U	1.1 U	1.3 U				
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l	1.5 UJ	1.7 U	1.2 UJ	1.7 U				
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	0.4 U	1.1 U	0.34 U	1.1 U		5 U		10 U
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	0.36 U	1.2 U	0.42 U	1.2 U		5 U		10 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	0.4 U	0.77 U	0.22 U	0.76 U		5 U		10 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	0.29 U	1.1 U	0.28 U	1.1 U		5 U		10 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	0.38 U	1.9 U	1.3 U	1.9 U		5 U		10 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	0.42 U	1.5 U	1.1 U	1.5 U		5 U		10 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	1.5 U	1.4 U	1.8 J	1.4 U				
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	1.3 U	1.4 U	0.87 U	1.4 U		5 U		10 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	0.88 U	1.5 U	1.2 U	1.5 U		5 U		10 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	1.4 U	1.3 U	1.4 U	1.2 U		5 U		10 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	4.8 J	6.7 J	1.8 J	1.6 U		5 U		6 J
SW8270	105-60-2	CAPROLACTAM	NS	ug/l	1.2 U	1.3 UJ	1.2 U	1.3 UJ				
SW8270	86-74-8	CARBAZOLE	NS	ug/l	0.41 U	1.3 U	1.9 U	1.3 UJ		5 U		10 U
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	0.28 U	1.7 U	0.33 U	1.7 U	0.32 U	5 U		10 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	1.1 U	0.89 U	0.4 U	0.88 U		5 U		10 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	2.2 J	1.3 U	4.1 J	1.3 U		5 U		10 U
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	1.1 U	1.4 U	1.3 U	1.4 U		5 U		10 U
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	1.6 U	1.3 U	3.1 U	1.3 U		5 U		10 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	0.83 U	1.3 U	1.2 U	1.3 U		5 U		10 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	0.43 U	1.3 U	0.83 U	1.3 U		5 U		10 U
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	0.22 U	1.2 U	0.84 U	1.2 U		5 U		10 U
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	5.9 J	2.1 J	11	1.4 U		2 J		6 J
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	0.89 U	1.3 U	1.1 U	1.2 U		5 U		10 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	3.2 U	1.4 U	1.2 U	1.4 U		5 U		10 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	1.1 UJ	1.2 U	1.1 UJ	1.2 U		5 U		10 UJ
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	1.3 U	1.2 U	1.4 U	1.2 U		5 U		10 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	1.1 U	0.85 U	2.3 U	0.84 U		5 U		10 U
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	1.4 U	1.3 U	1.4 U	1.3 U		5 U		10 U
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	1 U	1.4 U	1.3 U	1.4 U		5 J		10 U
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	1.4 U	1.6 U	1.2 U	1.6 U		5 U		10 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	1.2 U	1.4 U	1.3 U	1.4 U		5 U		10 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	1.2 U	1.3 U	1.5 U	1.3 U		5 U		10 U
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	0.17 U	1.6 U	1.7 U	1.6 U		25 U		
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	0.34 U	1.5 U	11	1.4 U		6 J		1 J
SW8270	108-95-2	PHENOL	1	ug/l	1.4 U	1.3 U	1.5 U	1.3 U	1.3 U	5 U		10 U
SW8270	129-00-0	PYRENE	50 (G)	ug/l	1.3 U	1.5 U	0.87 U	1.5 U		5 U		10 U

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-30_101508 MW-30 10/15/2008 MG1845 Groundwater	MW-30_110205 MW-30 11/2/2005 MW-6A Groundwater	MW-30_111908 MW-30 11/19/2008 MG2184 Groundwater	MW-31_052206 MW-31 5/22/2006 ME0675 Groundwater	MW-31_101608 MW-31 10/16/2008 MG1845 Groundwater	MW-31_110205 MW-31 11/2/2005 MW-6A Groundwater	MW-31_111808 MW-31 10/16/2008 MG1845 Groundwater	MW-31_111908 MW-31 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.9 U				3.9 U		
SW6010	7440-39-3	BARIUM	1000	ug/l		51.4 BE				13.8 BE		
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.2 U				0.2 U		
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		2.4 B				2.3 U		
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		2.8 UN				2.8 UN		
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		4.6 UN				4.6 UN		
SW6010	7440-22-4	SILVER	50	ug/l		2.7 UN				2.7 UN		
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.1 U				0.1 U		
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l		12000				100 U		
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.065 U				0.065 U		
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.065 U				0.065 U		
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.065 U				0.065 U		
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.065 U				0.065 U		
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.065 U				0.065 U		
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.065 U				0.065 U		
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.065 U				0.065 U		
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	59	75	55	5 U	6.4	9 J		4.3 J
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l		10 U				10 U		
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	4.7 J	3 J	8.4	5 U	5 U	10 U		5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	19		24	5 U	5 U			5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	1.9 J		1.2 J	5 U	5 U			5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	5 U	10 UJ	5 U	5 U	5 U	10 UJ		5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	10 UJ		5 UJ

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method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	5 U	10 UJ	5 U	5 U	5 U	10 UJ		5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U	10 UJ	5 U	5 U	5 U	10 UJ		5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	5 U	10 U	5 U	5 U	1.2 J	10 U		5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U	10 U	5 UJ	5 U	5 U	10 U		5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l		10 U				10 U		
SW8260	99-87-6	CYMENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U	10 U	5 UJ	5 U	5 U	10 U		5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	3.2 J	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	2.3 J	10 U	3 J	5 U	5 U	10 U		5 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l		10 U				10 U		
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 UJ	10 U	5 UJ	5 U	5 UJ	10 U		5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l		10 U				10 U		
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U	10 U	5 UJ	5 U	5 U	10 U		5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l								
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	12		13	5 U	5 U			5 U
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	1.3 J		1.8 J	5 U	5 U			5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	2.1 J		2.3 J	5 U	5 U			5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	5.4	3 J	5.1	5 U	5 U	10 U		5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	1.1 J		1.6 J	5 U	5 U			5 U
SW8260	100-42-5	STYRENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	5 U	10 U	5 U	5 U	1 J	10 U		5 U
SW8260	108-88-3	TOLUENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	5 U	10 U	5 U	5 U	1 J	10 U		5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U	10 U	5 U	5 U	5 U	10 U		5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U		5 U	5 U	5 U			5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U	10 U	5 UJ	5 U	5 U	10 U		5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	8.6		5.1	5 U			5 U	5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l		10 U		10 U		5 U		
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l		10 U		10 U		5 U		
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l		10 U		10 U		5 U		
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l		10 U		10 U		5 U		
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l		10 U		20 U		5 U		
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l		10 U		10 U		5 U		
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l		10 U		10 U		5 U		
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l		50 UJ		20 UJ		25 UJ		
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l		10 U		10 U		5 U		
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l		10 U		10 U		5 U		

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method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l		10 U		10 U		5 U		
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l		10 U		10 U		5 U		
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l		50		10 U		0.8 J		
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l		10 U		10 U		5 U		
SW8270	88-74-4	2-NITROANILINE	5	ug/l		50 U		20 U		25 U		
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l		10 U		10 U		5 U		
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l		20 U		10 UJ		10 U		
SW8270	99-09-2	3-NITROANILINE	5	ug/l		50 U		20 U		25 U		
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l		50 U		20 U		25 U		
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l		3 J		10 U		5 U		
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l		10 U		10 U		5 U		
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l		10 U		10 UJ		5 U		
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l		10 U		10 U		5 U		
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l		10 U		10 U		5 U		
SW8270	100-01-6	4-NITROANILINE	5	ug/l		50 U		20 U		25 U		
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l		50 U		20 U		25 U		
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l		6 J		10 U		5 U		
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l		10 U		10 U		5 U		
SW8270	98-86-2	ACETOPHENONE	NS	ug/l								
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	1912-24-9	ATRAZINE	7.5	ug/l								
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l								
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l		10 U		10 U		5 U		
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l		10 U		10 U		5 U		
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l		10 U		10 U		5 U		
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l		10 U		10 U		5 U		
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l		10 U		10 U		5 U		
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l		10 U		10 U		5 U		
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l		10 U		10 U		5 U		
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l		10 U		10 U		5 U		
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l		10 U		3 J		5 U		
SW8270	105-60-2	CAPROLACTAM	NS	ug/l								
SW8270	86-74-8	CARBAZOLE	NS	ug/l		10 U		10 U		5 U		
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l		10 U		10 U		5 U		
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l		10 U		10 U		5 U		
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l		10 U		10 U		5 U		
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l		10 U		10 U		5 U		
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	86-73-7	FLUORENE	50 (G)	ug/l		14 J		10 U		5 U		
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l		10 U		10 U		5 U		
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l		10 U		10 U		5 U		
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l		10 U		10 UJ		5 U		
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l		10 U		10 U		5 U		
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l		10 U		10 U		5 U		
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l		24		10 U		5 U		
SW8270	98-95-3	NITROBENZENE	0.4	ug/l		10 U		10 U		5 U		
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l		10 U		10 U		5 U		
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l		10 U		10 U		5 U		
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l		50 U		20 U		25 U		
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l		4 J		20 U		0.7 J		
SW8270	108-95-2	PHENOL	1	ug/l		10 U		10 U		5 U		
SW8270	129-00-0	PYRENE	50 (G)	ug/l		10 U		10 U		5 U		

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method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l			3.9 U				3.9 U	
SW6010	7440-39-3	BARIUM	1000	ug/l			73.1 BE				97.2 BE	
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l			0.2 U				0.2 U	
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l			3.7 B				4.1 B	
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l			2.8 UN				2.8 UN	
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l			4.6 UN				4.6 UN	
SW6010	7440-22-4	SILVER	50	ug/l			2.7 UN				2.7 UN	
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l			0.11 B				0.1 U	
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l			460				1000	
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l			0.065 U				0.065 U	
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l			0.065 U				0.065 U	
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l			0.065 U				0.065 U	
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l			0.065 U				0.065 U	
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l			0.065 U				0.065 U	
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l			0.065 U				0.065 U	
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l			0.065 U				0.065 U	
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5 U	1.4 J	3 J	1.2 J	5 U	5 U	10 U	5 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l			10 U				10 U	
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	5 U	5 U	10 UJ	5 U	5 U	5 U	10 UJ	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ	5 UJ	10 UJ	5 UJ	3 J	5 UJ	10 UJ	5 UJ

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-32_052206 MW-32 5/22/2006 ME0675 Groundwater	MW-32_101508 MW-32 10/15/2008 MG1845 Groundwater	MW-32_110205 MW-32 11/2/2005 MW-6A Groundwater	MW-32_111908 MW-32 11/19/2008 MG2184 Groundwater	MW-33_052206 MW-33 5/22/2006 ME0675 Groundwater	MW-33_101408 MW-33 10/14/2008 MG1844 Groundwater	MW-33_110205 MW-33 11/2/2005 MW-6A Groundwater	MW-33_111908 MW-33 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	5 U	5 U	10 UJ	5 U	5 U	5 U	10 UJ	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U	5 U	10 UJ	5 U	5 U	5 U	10 UJ	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l			10 U				10 U	
SW8260	99-87-6	CYMENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l			10 U				10 U	
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 U	5 UJ	10 U	5 UJ	5 U	5 UJ	10 U	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l			10 U				10 U	
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U	5 U	3 U	5 U	5 U	5 U	10 U	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l								
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	100-42-5	STYRENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	5 U	5 U		5 U	5 U	5 U		5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	10 U		5 U		10 U		5 U	
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	10 U		5 U		10 U		5 U	
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	10 U		5 U		10 U		5 U	
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	10 U		5 U		10 U		5 U	
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	20 U		5 U		20 U		5 U	
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	10 U		5 U		10 U		5 U	
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	20 UJ		27 UJ		20 UJ		25 UJ	
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	10 U		5 U		10 U		5 U	
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	10 U		5 U		10 U		5 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-32_052206 MW-32 5/22/2006 ME0675 Groundwater	MW-32_101508 MW-32 10/15/2008 MG1845 Groundwater	MW-32_110205 MW-32 11/2/2005 MW-6A Groundwater	MW-32_111908 MW-32 11/19/2008 MG2184 Groundwater	MW-33_052206 MW-33 5/22/2006 ME0675 Groundwater	MW-33_101408 MW-33 10/14/2008 MG1844 Groundwater	MW-33_110205 MW-33 11/2/2005 MW-6A Groundwater	MW-33_111908 MW-33 11/19/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	10 U		1 J		10 U		5 U	
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	88-74-4	2-NITROANILINE	5	ug/l	20 U		27 U		20 U		25 U	
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	10 UJ		11 U		10 UJ		10 U	
SW8270	99-09-2	3-NITROANILINE	5	ug/l	20 U		27 U		20 U		25 U	
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	20 U		27 U		20 U		25 U	
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	10 UJ		5 U		10 UJ		5 U	
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	100-01-6	4-NITROANILINE	5	ug/l	20 U		27 U		20 U		25 U	
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	20 U		27 U		20 U		25 U	
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	98-86-2	ACETOPHENONE	NS	ug/l								
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	1912-24-9	ATRAZINE	7.5	ug/l								
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l								
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	10 U		5 U		10 U		5 U	
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	10 U		5 U		10 U		5 U	
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	10 U		5 U		10 U		5 U	
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	10 U		5 U		10 U		5 U	
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	4 J		5 U		9 J		5 U	
SW8270	105-60-2	CAPROLACTAM	NS	ug/l								
SW8270	86-74-8	CARBAZOLE	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	10 U		5 U		10 U		5 U	
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	10 U		5 U		10 U		5 U	
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	10 U		5 U		10 U		5 U	
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	10 UJ		5 U		10 UJ		5 U	
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	10 U		5 U		10 U		5 U	
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	10 U		5 U		10 U		5 U	
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	10 U		5 U		10 U		5 U	
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	10 U		5 U		10 U		5 U	
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	20 U		27 U		20 U		25 U	
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	20 U		1 J		10 U		5 U	
SW8270	108-95-2	PHENOL	1	ug/l	10 U		5 U		10 U		5 U	
SW8270	129-00-0	PYRENE	50 (G)	ug/l	10 U		5 U		10 U		5 U	

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-34_052306 MW-34 5/23/2006 X2934 Groundwater	MW-34_101408 MW-34 10/15/2008 MG1845 Groundwater	MW-34_101508 MW-34 10/15/2008 MG1845 Groundwater	MW-34_110205 MW-34 11/2/2005 MW-6A Groundwater	MW-34_111808 MW-34 11/18/2008 MG2184 Groundwater	MW-35_052206 MW-35 5/22/2006 ME0675 Groundwater	MW-35_110205 MW-35 11/2/2005 LR-001 Groundwater	MW-36_052206 MW-36 5/22/2006 ME0675 Groundwater
method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l				3.9 U			3.9 U	
SW6010	7440-39-3	BARIUM	1000	ug/l				46.7 BE			507	
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l				0.2 U			0.2 U	
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l				6.4 B			14.5	
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l				2.8 UN			2.8 NJ	
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l				4.6 UN			4.6 U	
SW6010	7440-22-4	SILVER	50	ug/l				2.7 UN			2.7 NJ	
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l				0.1 U			0.1 U	
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l				7800			4200	
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l				0.065 U			0.065 U	
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l				0.065 U			0.065 U	
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l				0.065 U			0.065 U	
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l				0.065 U			0.065 U	
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l				0.065 U			0.065 U	
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l				0.065 U			0.065 U	
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l				0.065 U			0.065 U	
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 UJ	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l	0.38 U			10 U			10 U	
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	1.2 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	0.46 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l			2.7 J		5 U	5 U		5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l			5 U		5 U	5 U		5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	1.2 U		1.7 J	10 U	5 U	5 U	10 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l			1.9 J		5 U	2 J		5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	1.5 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	1.1 UJ		5 U		5 U	5 U	10 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	1.5 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	0.88 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	1.1 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	1.6 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	1.4 U		5 U	10 UJ	5 U	5 U	10 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	1.7 U		5 UJ	10 UJ	5 UJ	5 UJ	10 U	5 UJ

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method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	1.2 U		5 U	10 UJ	5 U	5 U	10 U	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	0.5 U		5 U	10 UJ	5 U	5 U	10 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	1.2 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	0.54 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	0.44 UJ		1.7 J	10 U	5 U	5 U	10 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	1.6 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	1.2 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	1.3 UJ			10 U			10 U	
SW8260	99-87-6	CYMENE	5	ug/l			1.3 J		5 U	5 U		5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	0.32 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l				10 U	5 U	5 U	10 U	5 U
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l			1.8 J		5 U	5 U		5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l			5 U		5 U	5 U		5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	1.2 U			10 U			10 U	
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	1.4 U		5 UJ	10 U	5 UJ	5 U	10 U	5 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	1.2 U			10 U			10 U	
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	1.5 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l	1 U							
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l			5 U		5 U	5 U		5 U
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l			1.4 J		5 U	5 U		5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	3.6 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l			1.3 J		5 U	5 U		5 U
SW8260	100-42-5	STYRENE	5	ug/l	3.2 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l			5 U		5 U	5 U		5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	1.5 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	1.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	1.2 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	1.2 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	1.4 U		5 U	10 U	5 U	5 U	10 U	1 J
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	0.44 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l			5 U		5 U	5 U		5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	0.3 U		5 U	10 U	5 U	5 U	10 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l		5 U	5 U		5 U	5 U		5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l				10 U		10 U	5 U	10 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l				10 U		10 U	5 U	10 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l				10 U		10 U	5 U	10 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l				10 U		10 U	5 U	10 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	1.3 U			10 U		20 U	5 U	20 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	0.22 U			10 U		10 U	5 U	10 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l	0.84 U			10 U		10 U	5 U	10 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l	1.9 U			10 U		10 U	5 U	10 U
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l	0.36 UJ			50 UJ		20 UJ	25 UJ	20 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l	0.29 U			10 U		10 U	5 U	10 U
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l	0.43 U			10 U		10 U	5 U	10 U

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method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l	2.3 U			10 U		10 U	5 U	10 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	1.3 U			10 U		10 U	5 U	10 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	13			25		5 J	5 U	10 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	1.3 U			10 U		10 U	5 U	10 U
SW8270	88-74-4	2-NITROANILINE	5	ug/l	0.4 U			50 U		20 U	25 U	20 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	0.76 U			10 U		10 U	5 U	10 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	0.47 U			20 U		10 UJ	10 U	10 UJ
SW8270	99-09-2	3-NITROANILINE	5	ug/l	0.4 U			50 U		20 U	25 U	20 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	0.34 UJ			50 U		20 U	25 U	20 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	0.4 U			10 U		10 U	5 U	10 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	0.33 U			10 U		10 U	5 U	10 U
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l	1.1 U			10 U		10 UJ	5 U	10 UJ
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	0.32 U			10 U		10 U	5 U	10 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	1.5 U			10 U		10 U	5 U	10 U
SW8270	100-01-6	4-NITROANILINE	5	ug/l	0.39 U			50 U		20 U	25 U	20 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	1.1 U			50 U		20 U	25 U	20 U
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l	8 J			10 U		3 J	5 U	10 U
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	0.2 U			10 U		10 U	5 U	10 U
SW8270	98-86-2	ACETOPHENONE	NS	ug/l	1.5 U							
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l	0.36 U			10 U		10 U	5 U	10 U
SW8270	1912-24-9	ATRAZINE	7.5	ug/l	1.6 U							
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l	1.3 UJ							
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	0.45 U			10 U		10 U	5 U	10 U
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l	0.3 U			10 U		10 U	5 U	10 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	0.32 U			10 U		10 U	5 U	10 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	0.44 U			10 U		10 U	5 U	10 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l	0.44 U			10 U		10 U	5 U	10 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l	0.48 U			10 U		10 U	5 U	10 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	0.42 U							
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l	1.2 U			10 U		10 U	5 U	10 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l	1.4 U			10 U		10 U	5 U	10 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l	1.2 U			10 U		10 U	5 U	10 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	11			10 U		4 J	5 U	5 J
SW8270	105-60-2	CAPROLACTAM	NS	ug/l	0.34 UJ							
SW8270	86-74-8	CARBAZOLE	NS	ug/l	0.41 U			10 U		2 J	5 U	10 U
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l	1.2 U			10 U		10 U	5 U	10 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	0.54 U			10 U		10 U	5 U	10 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	2.6 J			10 U		2 J	5 U	10 U
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l	0.33 U			10 U		10 U	5 U	10 U
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l	0.28 U			10 U		10 U	5 U	10 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l	1.7 U			10 U		10 U	5 U	10 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l	0.41 U			10 U		10 U	5 U	10 U
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l	0.26 U			10 U		10 U	5 U	10 U
SW8270	86-73-7	FLUORENE	50 (G)	ug/l	8.8 J			8 J		4 J	6	10 U
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l	0.33 U			10 U		10 U	5 U	10 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	0.17 U			10 U		10 U	5 U	10 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l	0.83 UJ			10 U		10 UJ	5 U	10 UJ
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l	1.1 U			10 U		10 U	5 U	10 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l	0.5 U			10 U		10 U	5 U	10 U
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l	1.3 U			10 U		10 U	5 U	10 U
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l	0.88 U			10 U		16 U	21	10 U
SW8270	98-95-3	NITROBENZENE	0.4	ug/l	1.7 U			10 U		10 U	5 U	10 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	1.1 U			10 U		10 U	5 U	10 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l	0.46 U			10 U		10 U	5 U	10 U
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l	0.36 U			50 U		20 U	25 U	20 U
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l	13			12		5 J	8	20 U
SW8270	108-95-2	PHENOL	1	ug/l	1.6 U			10 U		10 U	6	10 U
SW8270	129-00-0	PYRENE	50 (G)	ug/l	0.32 U			10 U		10 U	5 U	10 U

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method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l		3.9 U						
SW6010	7440-39-3	BARIUM	1000	ug/l		39.8 BE						
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l		0.2 U						
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l		2.3 U						
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l		2.8 UN						
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l		4.6 UN						
SW6010	7440-22-4	SILVER	50	ug/l		2.7 UN						
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l		0.1 U						
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l		100 U						
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l		0.065 U						
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l		0.065 U						
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l		0.065 U						
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l		0.065 U						
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l		0.065 U						
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l		0.065 U						
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l		0.065 U						
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5.9	13 U	57
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l		10 U						
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	4.2 J	10 U	5 U	6.8 J	5.5 J	36	7.1 J	4.1 J
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5 U		5 U	160	300	210 D	170	5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5 U		5 U	42	84	69	46	1.7 J
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	5 U	10 UJ	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ	10 UJ	5 UJ	77 J	37 J	19 J	65 UJ	5 UJ

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method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	5 U	10 U	5 U	16 J	5.5 J	3.2 J	18	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	5 U	10 UJ	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U	10 UJ	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	18 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 UJ	13 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	7.8	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l		10 U						
SW8260	99-87-6	CYMENE	5	ug/l	5 U		5 U	20 U	13 U	8.4	6.8 J	5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 UJ	13 U	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	5 U	10 U	5 U	86	150	92		2.8 J
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	5 U	10 U	5 U	33	33	78	37	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	5 U	10 U	5 U	8.9 J	15	19	10 J	2.4 J
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l		10 U						
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 UJ	10 U	5 UJ	23 J	6.6 J	6.2 J	13 UJ	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l		10 U						
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 UJ	13 U	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l								
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	5 U		5 U	300	370	320 D	280	8.7
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	5 U		5 U	9.1 J	20	12	9.7 J	1.4 J
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	5 U		5 U	9 J	16	18	9.8 J	1.7 J
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	5 U	10 U	5 U	24	24	3 J	27	5.1
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	5 U		5 U	4.5 J	8.9 J	4.9 J	4.5 J	5 U
SW8260	100-42-5	STYRENE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	5 U	10 U	5 U	10 J	4.5 J	5 U	11 J	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	4.7 J	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U	10 U	5 U	20 U	13 U	5 U	13 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U		5 U	20 U	13 U	5 U	13 U	5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U	10 U	5 U	20 U	13 U	5 UJ	13 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	5 U		5 U	110	180	95	120	7.9
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l		5 U						
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l		5 U						
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l		5 U						
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l		5 U						
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l		5 U						
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l		5 U						
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l		5 U						
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l		5 U						
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l		25 UJ						
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l		5 U						
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l		5 U						

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method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l		5 U						
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l		5 U						
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l		5 U						
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l		5 U						
SW8270	88-74-4	2-NITROANILINE	5	ug/l		25 U						
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l		5 U						
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l		10 U						
SW8270	99-09-2	3-NITROANILINE	5	ug/l		25 U						
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l		25 U						
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l		5 U						
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l		5 U						
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l		5 U						
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l		5 U						
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l		5 U						
SW8270	100-01-6	4-NITROANILINE	5	ug/l		25 U						
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l		25 U						
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l		5 U						
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l		5 U						
SW8270	98-86-2	ACETOPHENONE	NS	ug/l								
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l		5 U						
SW8270	1912-24-9	ATRAZINE	7.5	ug/l								
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l								
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l		5 U						
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l		5 U						
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l		5 U						
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l		5 U						
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l		5 U						
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l		5 U						
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l		5 U						
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l		5 U						
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l		5 U						
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l		5 U						
SW8270	105-60-2	CAPROLACTAM	NS	ug/l								
SW8270	86-74-8	CARBAZOLE	NS	ug/l		5 U						
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l		5 U						
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l		5 U						
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l		5 U						
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l		5 U						
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l		5 U						
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l		5 U						
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l		5 U						
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l		5 U						
SW8270	86-73-7	FLUORENE	50 (G)	ug/l		5 U						
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l		5 U						
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l		5 U						
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l		5 U						
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l		5 U						
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l		5 U						
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l		5 U						
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l		5 U						
SW8270	98-95-3	NITROBENZENE	0.4	ug/l		5 U						
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l		5 U						
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l		5 U						
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l		25 U						
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l		5 U						
SW8270	108-95-2	PHENOL	1	ug/l		5 U						
SW8270	129-00-0	PYRENE	50 (G)	ug/l		5 U						

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method	cas_rn	chemical_name	Standards	units								
SW6010	7429-90-5	ALUMINUM	2000	ug/l								
SW6010	7440-36-0	ANTIMONY	3	ug/l								
SW6010	7440-38-2	ARSENIC	25	ug/l								
SW6010	7440-39-3	BARIUM	1000	ug/l								
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l								
SW6010	7440-43-9	CADMIUM	5	ug/l								
SW6010	7440-70-2	CALCIUM	NS	ug/l								
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l								
SW6010	7440-48-4	COBALT	NS	ug/l								
SW6010	7440-50-8	COPPER	200	ug/l								
SW6010	7439-89-6	IRON	300	ug/l								
SW6010	7439-92-1	LEAD	25	ug/l								
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l								
SW6010	7439-96-5	MANGANESE	300	ug/l								
SW6010	7440-02-0	NICKEL	100	ug/l								
SW6010	7440-09-7	POTASSIUM	NS	ug/l								
SW6010	7782-49-2	SELENIUM	10	ug/l								
SW6010	7440-22-4	SILVER	50	ug/l								
SW6010	7440-23-5	SODIUM	20000	ug/l								
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l								
SW6010	7440-62-2	VANADIUM	NS	ug/l								
SW6010	7440-66-6	ZINC	2000 (G)	ug/l								
SW7470	7439-97-6	MERCURY	0.7	ug/l								
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l	660	350 U	350 U	410		1200	790	4300
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l								
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l								
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l								
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l								
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l								
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l								
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l								
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l								
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	190	280 D	9.1	5	5 U		5 U	9.1
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l								
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	2.1 J	2.7 J	5 U	5 U	5 U		5 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	29	73	5 U	5 U	5 U		5 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ		5 UJ	5 UJ

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method	cas_rn	chemical_name	Standards	units								
SW8260	71-43-2	BENZENE	1	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 UJ	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l								
SW8260	99-87-6	CYMENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	10 UJ	5 U	5 UJ	5 U	5 U		5 UJ	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l								
SW8260	79-20-9	METHYL ACETATE	NS	ug/l								
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ		5 UJ	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l								
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	10 U	6.2	83	5 J	5 U		5 UJ	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l								
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	6.3 J	5 U	5 U	5 U	1.9 J		5 U	5.2
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	1.1 J		5 U	5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	1.8 J		1.3 J	5 U
SW8260	100-42-5	STYRENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	10 U	3.5 J	5 U	5 U	5 U		5 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	15	10	39	5	5 U		5 U	1.3 J
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	10 U	5 U	5 U	5 U	5 U		5 UJ	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	10 U	5 U	5 U	5 U	5 U		5 U	5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l								
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l								
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l								
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l								
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l								
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l								
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l								
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l								
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l								
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l								
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l								

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method	cas_rn	chemical_name	Standards	units								
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l								
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l								
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l								
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l								
SW8270	88-74-4	2-NITROANILINE	5	ug/l								
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l								
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l								
SW8270	99-09-2	3-NITROANILINE	5	ug/l								
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l								
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l								
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l								
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l								
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l								
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l								
SW8270	100-01-6	4-NITROANILINE	5	ug/l								
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l								
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l								
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l								
SW8270	98-86-2	ACETOPHENONE	NS	ug/l								
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l								
SW8270	1912-24-9	ATRAZINE	7.5	ug/l								
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l								
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l								
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l								
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l								
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l								
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l								
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l								
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l								
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l								
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l								
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l								
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l								
SW8270	105-60-2	CAPROLACTAM	NS	ug/l								
SW8270	86-74-8	CARBAZOLE	NS	ug/l								
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l								
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l								
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l								
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l								
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l								
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l								
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l								
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l								
SW8270	86-73-7	FLUORENE	50 (G)	ug/l								
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l								
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l								
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l								
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l								
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l								
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l								
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l								
SW8270	98-95-3	NITROBENZENE	0.4	ug/l								
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l								
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l								
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l								
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l								
SW8270	108-95-2	PHENOL	1	ug/l								
SW8270	129-00-0	PYRENE	50 (G)	ug/l								

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method	cas_rn	chemical_name	Standards	units				
SW6010	7429-90-5	ALUMINUM	2000	ug/l			17600	12200
SW6010	7440-36-0	ANTIMONY	3	ug/l			4.6 U	4.6 U
SW6010	7440-38-2	ARSENIC	25	ug/l			29.3	16.4 B
SW6010	7440-39-3	BARIUM	1000	ug/l			136 B	87.4 B
SW6010	7440-41-7	BERYLLIUM	3 (G)	ug/l			12.9	11.2
SW6010	7440-43-9	CADMIUM	5	ug/l			0.14 U	0.88 B
SW6010	7440-70-2	CALCIUM	NS	ug/l			142000	127000
SW6010	7440-47-3	CHROMIUM, TOTAL	50	ug/l			12.1 B	4.6 B
SW6010	7440-48-4	COBALT	NS	ug/l			178	154
SW6010	7440-50-8	COPPER	200	ug/l			95.5	71.2
SW6010	7439-89-6	IRON	300	ug/l			15600	12200
SW6010	7439-92-1	LEAD	25	ug/l			23.8	14.4
SW6010	7439-95-4	MAGNESIUM	35000 (G)	ug/l			24300	23200
SW6010	7439-96-5	MANGANESE	300	ug/l			10800	9410
SW6010	7440-02-0	NICKEL	100	ug/l			144	136
SW6010	7440-09-7	POTASSIUM	NS	ug/l			8770	7600
SW6010	7782-49-2	SELENIUM	10	ug/l			6.6 U	6.6 U
SW6010	7440-22-4	SILVER	50	ug/l			1.9 U	0.59 U
SW6010	7440-23-5	SODIUM	20000	ug/l			224000 B	222000
SW6010	7440-28-0	THALLIUM	0.5 (G)	ug/l			4.2 U	4.2 U
SW6010	7440-62-2	VANADIUM	NS	ug/l			10.3 B	8.3 B
SW6010	7440-66-6	ZINC	2000 (G)	ug/l			482	424
SW7470	7439-97-6	MERCURY	0.7	ug/l			0.016 U	0.016 U
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l	5300		350 U	350 U
SW8015B	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l				
SW8015C	68334-30-5	DIESEL RANGE ORGANICS	NS	ug/l				
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.09	ug/l			1 UJ	1 UJ
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.09	ug/l			1 UJ	1 UJ
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.09	ug/l			1 UJ	1 UJ
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.09	ug/l			1 UJ	1 UJ
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.09	ug/l			1 UJ	1 UJ
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.09	ug/l			1 UJ	1 UJ
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.09	ug/l			1 UJ	1 UJ
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	ug/l	5 U		5 U	5 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	5	ug/l	5 U		5 U	5 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	ug/l	5 U		5 U	5 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	ug/l				
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	1	ug/l	5 U		5 U	5 U
SW8260	75-34-3	1,1-DICHLOROETHANE	5	ug/l	5 U		5 U	5 U
SW8260	75-35-4	1,1-DICHLOROETHENE	5	ug/l	5 U		5 U	5 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	5	ug/l	5 U		5 U	5 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	0.04	ug/l	5 U		5 U	5 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/l	5 U		5 U	5 U
SW8260	106-93-4	1,2-DIBROMOETHANE	0.0006	ug/l	5 U		5 U	5 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	3	ug/l	5 U		5 U	5 U
SW8260	107-06-2	1,2-DICHLOROETHANE	0.6	ug/l	5 U		5 U	5 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	1	ug/l	5 U		5 U	5 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	3	ug/l	5 U		5 U	5 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	5	ug/l	5 U		5 U	5 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	3	ug/l	5 U		5 U	5 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	5	ug/l	5 U		5 U	5 U
SW8260	95-49-8	2-CHLOROTOLUENE	5	ug/l	5 U		5 U	5 U
SW8260	591-78-6	2-HEXANONE	50 (G)	ug/l	5 U		5 U	5 U
SW8260	106-43-4	4-CHLOROTOLUENE	5	ug/l	5 U		5 U	5 U
SW8260	67-64-1	ACETONE	50 (G)	ug/l	5 UJ		5 UJ	5 UJ

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method	cas_rn	chemical_name	Standards	units				
SW8260	71-43-2	BENZENE	1	ug/l	1.3 J		5 U	5 U
SW8260	108-86-1	BROMOBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	74-97-5	BROMOCHLOROMETHANE	5	ug/l	5 U		5 U	5 U
SW8260	75-27-4	BROMODICHLOROMETHANE	50 (G)	ug/l	5 U		5 U	5 U
SW8260	75-25-2	BROMOFORM	50 (G)	ug/l	5 U		5 U	5 U
SW8260	74-83-9	BROMOMETHANE	5	ug/l	5 U		5 U	5 U
SW8260	75-15-0	CARBON DISULFIDE	60 (G)	ug/l	5 U		5 U	5 U
SW8260	56-23-5	CARBON TETRACHLORIDE	5	ug/l	5 U		5 U	5 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	75-00-3	CHLOROETHANE	5	ug/l	5 U		5 U	5 U
SW8260	67-66-3	CHLOROFORM	7	ug/l	5 U		5 U	5 U
SW8260	74-87-3	CHLOROMETHANE	5	ug/l	5 U		5 U	5 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	5 U		5 U	5 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U		5 U	5 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l				
SW8260	99-87-6	CYMENE	5	ug/l	5 U		5 U	5 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	50 (G)	ug/l	5 U		5 U	5 U
SW8260	74-95-3	DIBROMOMETHANE	5	ug/l	5 U		5 U	5 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	5	ug/l	5 U		5 UJ	5 U
SW8260	1330-20-7	DIMETHYL BENZENE	5	ug/l	5 U		5 U	5 U
SW8260	100-41-4	ETHYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l	5 U		5 U	5 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	5	ug/l	5 U		5 U	5 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	5 U		5 U	5 U
SW8260	179601-23-1	M,P-XYLENES	5	ug/l				
SW8260	79-20-9	METHYL ACETATE	NS	ug/l				
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	5 UJ		5 UJ	5 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/l	5 U		5 U	5 U
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l				
SW8260	75-09-2	METHYLENE CHLORIDE	5	ug/l	5 U		6.2	5 U
SW8260	136777-61-2	M-P-XYLENE	5	ug/l				
SW8260	91-20-3	NAPHTHALENE	10 (G)	ug/l	5 U		5 U	5 U
SW8260	104-51-8	N-BUTYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	103-65-1	N-PROPYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	5 U		5 U	5 U
SW8260	135-98-8	SEC-BUTYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	100-42-5	STYRENE	5	ug/l	5 U		5 U	5 U
SW8260	98-06-6	T-BUTYLBENZENE	5	ug/l	5 U		5 U	5 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	10 (G)	ug/l	5 U		5 U	5 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	5 U		5 U	5 U
SW8260	108-88-3	TOLUENE	5	ug/l	5 U		5 U	5 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	5	ug/l	5 U		5 U	5 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.4	ug/l	5 U		5 U	5 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	5 U		5 U	5 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	5	ug/l	5 U		5 U	5 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/l	5 U		5 U	5 U
SW8260	75-01-4	VINYL CHLORIDE	2	ug/l	5 U		5 U	5 U
SW8260	XYLENES	XYLENES, TOTAL	5	ug/l	5 U		5 U	5 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l		10 U		10 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	3	ug/l		10 U		10 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	3	ug/l		10 U		10 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	3	ug/l		10 U		10 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l		20 U		20 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l		10 U		10 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	1	ug/l		10 U		10 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	50 (G)	ug/l		10 U		10 U
SW8270	51-28-5	2,4-DINITROPHENOL	10 (G)	ug/l		20 UJ		10 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	5	ug/l		10 U		10 U
SW8270	606-20-2	2,6-DINITROTOLUENE	5	ug/l		10 U		10 U

			NYSDEC Class GA Groundwater	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	MW-104_111808 MW-104 11/18/2008 MG2184 Groundwater	MW-105_101608 MW-105 10/16/2008 MG-1773 Groundwater	MW-105_101608 MW-105 10/16/2008 MG1844 Groundwater	MW-105_111708 MW-105 11/17/2008 MG2184 Groundwater
method	cas_rn	chemical_name	Standards	units				
SW8270	91-58-7	2-CHLORONAPHTHALENE	10 (G)	ug/l		10 U		10 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l		10 U		10 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	NS	ug/l		10 UJ		10 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l		10 U		10 U
SW8270	88-74-4	2-NITROANILINE	5	ug/l		20 U		10 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l		10 U		10 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l		10 UJ		10 U
SW8270	99-09-2	3-NITROANILINE	5	ug/l		20 U		20 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l		20 U		10 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l		10 U		10 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l		10 U		10 U
SW8270	106-47-8	4-CHLOROANILINE	5	ug/l		10 U		10 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l		10 U		10 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l		10 U		10 U
SW8270	100-01-6	4-NITROANILINE	5	ug/l		20 U		10 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l		20 UJ		10 U
SW8270	83-32-9	ACENAPHTHENE	20 (G)	ug/l		10 U		10 U
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l		10 U		10 U
SW8270	98-86-2	ACETOPHENONE	NS	ug/l				
SW8270	120-12-7	ANTHRACENE	50 (G)	ug/l		10 U		10 U
SW8270	1912-24-9	ATRAZINE	7.5	ug/l				
SW8270	100-52-7	BENZALDEHYDE	NS	ug/l				
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l		10 U		10 U
SW8270	50-32-8	BENZO(A)PYRENE	ND	ug/l		10 U		10 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l		10 U		10 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l		10 U		10 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	0.002 (G)	ug/l		10 U		10 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	50 (G)	ug/l		10 U		10 U
SW8270	92-52-4	BIPHENYL (DIPHENYL)	5	ug/l				
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	5	ug/l		10 U		10 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER	1	ug/l		10 U		10 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	5	ug/l		10 U		10 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l		2.8 J		10 U
SW8270	105-60-2	CAPROLACTAM	NS	ug/l				
SW8270	86-74-8	CARBAZOLE	NS	ug/l		10 U		10 U
SW8270	218-01-9	CHRYSENE	0.002 (G)	ug/l		10 U		10 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l		10 U		10 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l		10 U		10 U
SW8270	84-66-2	DIETHYL PHTHALATE	50 (G)	ug/l		10 U		10 U
SW8270	131-11-3	DIMETHYL PHTHALATE	50 (G)	ug/l		10 U		10 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	50	ug/l		10 U		10 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	50 (G)	ug/l		10 U		10 U
SW8270	206-44-0	FLUORANTHENE	50 (G)	ug/l		10 U		10 U
SW8270	86-73-7	FLUORENE	50 (G)	ug/l		10 U		10 U
SW8270	118-74-1	HEXACHLOROBENZENE	0.04	ug/l		10 U		10 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.5	ug/l		10 U		10 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	ug/l		10 U		10 U
SW8270	67-72-1	HEXACHLOROETHANE	5	ug/l		10 U		10 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	0.002 (G)	ug/l		10 U		10 U
SW8270	78-59-1	ISOPHORONE	50 (G)	ug/l		10 U		10 U
SW8270	91-20-3	NAPHTHALENE	10 (G)	ug/l		10 U		10 U
SW8270	98-95-3	NITROBENZENE	0.4	ug/l		10 U		10 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l		10 U		10 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	50 (G)	ug/l		10 U		10 U
SW8270	87-86-5	PENTACHLOROPHENOL	1	ug/l		20 U		10 U
SW8270	85-01-8	PHENANTHRENE	50 (G)	ug/l		10 U		10 U
SW8270	108-95-2	PHENOL	1	ug/l		10 U		10 U
SW8270	129-00-0	PYRENE	50 (G)	ug/l		10 U		10 U

J L Steel Historical
Surface Waters

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-001_110205WS LR-001 11/2/2005 LR-001 Surface Water	LR-002_110205WS LR-002 11/2/2005 LR-001 Surface Water	LR-003_110205WS LR-003 11/2/2005 LR-001 Surface Water	LR-004_110205WS LR-004 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units				
SW6010	7440-38-2	ARSENIC	150	ug/l	3.9	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	NS	ug/l	17 B	21 B	26.5 B	28 B
SW6010	7440-43-9	CADMIUM	27.1	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
SW6010	7440-47-3	CHROMIUM, TOTAL	13.6	ug/l	3 B	3 B	2.3 U	2.7 B
SW6010	7439-92-1	LEAD	252	ug/l	2.8 UJ	2.8 UJ	2.8 UJ	2.8 UJ
SW6010	7782-49-2	SELENIUM	4.6	ug/l	4.6 U	4.6 U	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	0.1	ug/l	2.7 UNJ	2.7 UNJ	2.7 UNJ	2.7 UNJ
SW7470	7439-97-6	MERCURY	0.77	ug/l	0.1 U	0.1 U	0.1 U	0.1 U
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l	100 U	100 UJ	100 U	100 UJ
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.000001	ug/l	0.065 U	0.065 UJ	0.065 U	0.065 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	5	ug/l	10 U	10 UJ	10 U	10 U
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	5	ug/l	10 U	10 UJ	10 U	10 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	5	ug/l	10 U	10 UJ	10 U	10 U
SW8260	591-78-6	2-HEXANONE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	67-64-1	ACETONE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	71-43-2	BENZENE	10	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-25-2	BROMOFORM	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	56-23-5	CARBON TETRACHLORIDE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	67-66-3	CHLOROFORM	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	1330-20-7	DIMETHYL BENZENE	65	ug/l	10 U	10 UJ	10 U	10 U
SW8260	100-41-4	ETHYLBENZENE	17	ug/l	10 U	10 UJ	10 U	10 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	2.6	ug/l	10 U	10 UJ	10 U	10 U
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	ug/l	10 U	10 UJ	10 U	10 U

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-001_110205WS LR-001 11/2/2005 LR-001 Surface Water	LR-002_110205WS LR-002 11/2/2005 LR-001 Surface Water	LR-003_110205WS LR-003 11/2/2005 LR-001 Surface Water	LR-004_110205WS LR-004 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units				
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-09-2	METHYLENE CHLORIDE	200	ug/l	10 U	10 U	10 U	10 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	65	ug/l	10 U	10 UJ	10 U	10 U
SW8260	100-42-5	STYRENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1	ug/l	10 U	10 UJ	10 U	10 U
SW8260	108-88-3	TOLUENE	100	ug/l	10 U	10 UJ	10 U	10 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	40	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8260	75-01-4	VINYL CHLORIDE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	5 UJ	5 U	5 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	5	ug/l	5 U	5 UJ	5 U	5 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	5	ug/l	5 U	5 UJ	5 U	5 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	5	ug/l	5 U	5 UJ	5 U	5 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	1000	ug/l	5 U	5 UJ	5 U	5 U
SW8270	51-28-5	2,4-DINITROPHENOL	400	ug/l	25 UJ	25 UJ	25 UJ	25 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	4.7	ug/l	5 U	5 UJ	5 U	5 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/l	25 U	25 UJ	25 U	25 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/l	10 U	10 UJ	10 U	10 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/l	25 U	25 UJ	25 U	25 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	25 U	25 UJ	25 U	25 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/l	25 U	25 UJ	25 U	25 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	25 U	25 UJ	25 U	25 U
SW8270	83-32-9	ACENAPHTHENE	5.3	ug/l	5 U	5 UJ	5 U	5 U
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	120-12-7	ANTHRACENE	3.8	ug/l	5 U	5 UJ	5 U	5 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.03	ug/l	5 U	5 UJ	5 U	5 U
SW8270	50-32-8	BENZO(A)PYRENE	0.0012	ug/l	5 U	5 UJ	5 U	5 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	0.6	ug/l	5 U	5 U	5 U	5 U
SW8270	86-74-8	CARBAZOLE	NS	ug/l	5 U	5 UJ	5 U	5 U

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-001_110205WS LR-001 11/2/2005 LR-001 Surface Water	LR-002_110205WS LR-002 11/2/2005 LR-001 Surface Water	LR-003_110205WS LR-003 11/2/2005 LR-001 Surface Water	LR-004_110205WS LR-004 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units				
SW8270	218-01-9	CHRYSENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	206-44-0	FLUORANTHENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	86-73-7	FLUORENE	0.54	ug/l	5 U	5 UJ	5 U	5 U
SW8270	118-74-1	HEXACHLOROBENZENE	0.01	ug/l	5 U	5 UJ	5 U	5 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.00003	ug/l	5 U	5 UJ	5 U	5 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.01	ug/l	5 U	5 UJ	5 U	5 U
SW8270	67-72-1	HEXACHLOROETHANE	0.6	ug/l	5 U	5 UJ	5 U	5 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	78-59-1	ISOPHORONE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	91-20-3	NAPHTHALENE	13	ug/l	5 U	5 UJ	5 U	5 U
SW8270	98-95-3	NITROBENZENE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/l	5 U	5 UJ	5 U	5 U
SW8270	87-86-5	PENTACHLOROPHENOL	6.7	ug/l	25 U	25 UJ	25 U	25 U
SW8270	85-01-8	PHENANTHRENE	5	ug/l	5 U	5 UJ	5 U	5 U
SW8270	108-95-2	PHENOL	5	ug/l	5 U	5 UJ	5 U	5 U
SW8270	129-00-0	PYRENE	4.6	ug/l	5 U	5 UJ	5 U	5 U

(1) - Standard based on an average hardness of 93 mgcaco3/L

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-005_110205WS LR-005 11/2/2005 LR-001 Surface Water	LR-006_110205WS LR-006 11/2/2005 LR-001 Surface Water	LR-007_110205WS LR-007 11/2/2005 LR-001 Surface Water	LR-008_110205WS LR-008 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units				
SW6010	7440-38-2	ARSENIC	150	ug/l	3.9 U	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	NS	ug/l	16.5 B	18.2 B	62.1 B	28.4 B
SW6010	7440-43-9	CADMIUM	27.1	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
SW6010	7440-47-3	CHROMIUM, TOTAL	13.6	ug/l	4.8 B	2.5 B	7.7 B	4.2 B
SW6010	7439-92-1	LEAD	252	ug/l	2.8 UJ	2.8 UJ	2.8 UJ	2.8 UJ
SW6010	7782-49-2	SELENIUM	4.6	ug/l	4.6 U	4.6 U	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	0.1	ug/l	2.7 UNJ	2.7 UNJ	2.7 UNJ	2.7 UNJ
SW7470	7439-97-6	MERCURY	0.77	ug/l	0.1 U	0.1 U	0.1 U	0.1 U
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l	100 U	100 U	100 U	100 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.000001	ug/l	0.065 U	0.065 U	0.065 U	0.065 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	5	ug/l	10 U	10 U	10 U	10 U
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	5	ug/l	10 U	10 U	10 U	10 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	5	ug/l	10 U	10 U	10 U	10 U
SW8260	591-78-6	2-HEXANONE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	67-64-1	ACETONE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	71-43-2	BENZENE	10	ug/l	10 U	10 U	10 U	10 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-25-2	BROMOFORM	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	56-23-5	CARBON TETRACHLORIDE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	10 U	10 U	10 U	10 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	67-66-3	CHLOROFORM	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	1330-20-7	DIMETHYL BENZENE	65	ug/l	10 U	10 U	10 U	10 U
SW8260	100-41-4	ETHYLBENZENE	17	ug/l	10 U	10 U	10 U	10 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	2.6	ug/l	10 U	10 U	10 U	10 U
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	ug/l	10 U	10 U	10 U	10 U

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-005_110205WS LR-005 11/2/2005 LR-001 Surface Water	LR-006_110205WS LR-006 11/2/2005 LR-001 Surface Water	LR-007_110205WS LR-007 11/2/2005 LR-001 Surface Water	LR-008_110205WS LR-008 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units				
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-09-2	METHYLENE CHLORIDE	200	ug/l	10 U	10 U	10 U	10 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	65	ug/l	10 U	10 U	10 U	10 U
SW8260	100-42-5	STYRENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1	ug/l	10 U	10 U	10 U	10 U
SW8260	108-88-3	TOLUENE	100	ug/l	10 U	10 U	10 U	10 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	40	ug/l	10 U	10 U	10 U	10 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/l	10 U	10 U	10 U	10 U
SW8260	75-01-4	VINYL CHLORIDE	NS	ug/l	10 U	10 U	10 U	10 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	5 U	5 U	5 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	5	ug/l	5 U	5 U	5 U	5 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	5	ug/l	5 U	5 U	5 U	5 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	5	ug/l	5 U	5 U	5 U	5 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	1000	ug/l	5 U	5 U	5 U	5 U
SW8270	51-28-5	2,4-DINITROPHENOL	400	ug/l	25 UJ	25 UJ	25 UJ	25 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	4.7	ug/l	5 U	5 U	5 U	5 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/l	25 U	25 U	25 U	25 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/l	10 U	10 U	10 U	10 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/l	25 U	25 U	25 U	25 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	25 U	25 U	25 U	25 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/l	25 U	25 U	25 U	25 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	25 U	25 U	25 U	25 U
SW8270	83-32-9	ACENAPHTHENE	5.3	ug/l	5 U	5 U	5 U	5 U
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	120-12-7	ANTHRACENE	3.8	ug/l	5 U	5 U	5 U	5 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.03	ug/l	5 U	5 U	5 U	5 U
SW8270	50-32-8	BENZO(A)PYRENE	0.0012	ug/l	5 U	5 U	5 U	5 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	0.6	ug/l	5 U	5 U	5 U	5 U
SW8270	86-74-8	CARBAZOLE	NS	ug/l	5 U	5 U	5 U	5 U

J L Steel Historical
Surface Waters

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-005_110205WS LR-005 11/2/2005 LR-001 Surface Water	LR-006_110205WS LR-006 11/2/2005 LR-001 Surface Water	LR-007_110205WS LR-007 11/2/2005 LR-001 Surface Water	LR-008_110205WS LR-008 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units				
SW8270	218-01-9	CHRYSENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	206-44-0	FLUORANTHENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	86-73-7	FLUORENE	0.54	ug/l	5 U	5 U	5 U	5 U
SW8270	118-74-1	HEXACHLOROBENZENE	0.01	ug/l	5 U	5 U	5 U	5 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.00003	ug/l	5 U	5 U	5 U	5 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.01	ug/l	5 U	5 U	5 U	5 U
SW8270	67-72-1	HEXACHLOROETHANE	0.6	ug/l	5 U	5 U	5 U	5 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	78-59-1	ISOPHORONE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	91-20-3	NAPHTHALENE	13	ug/l	5 U	5 U	5 U	5 U
SW8270	98-95-3	NITROBENZENE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/l	5 U	5 U	5 U	5 U
SW8270	87-86-5	PENTACHLOROPHENOL	6.7	ug/l	25 U	25 U	25 U	25 U
SW8270	85-01-8	PHENANTHRENE	5	ug/l	5 U	5 U	5 U	0.9 J
SW8270	108-95-2	PHENOL	5	ug/l	5 U	5 U	5 U	5 U
SW8270	129-00-0	PYRENE	4.6	ug/l	5 U	5 U	5 U	5 U

(1) - Standard based on an average hardness of 93 mgcaco3/L

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-009_110205WS LR-009 11/2/2005 LR-001 Surface Water	LR-010_110205WS LR-010 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units		
SW6010	7440-38-2	ARSENIC	150	ug/l	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	NS	ug/l	30.2 B	100 B
SW6010	7440-43-9	CADMIUM	27.1	ug/l	0.2 U	0.2 U
SW6010	7440-47-3	CHROMIUM, TOTAL	13.6	ug/l	7 B	8.2 B
SW6010	7439-92-1	LEAD	252	ug/l	2.8 UJ	2.8 UJ
SW6010	7782-49-2	SELENIUM	4.6	ug/l	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	0.1	ug/l	2.7 UNJ	2.7 UNJ
SW7470	7439-97-6	MERCURY	0.77	ug/l	0.1 U	0.1 U
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	ug/l	100 U	100 U
SW8082	12674-11-2	PCB-1016 (AROCLOR 1016)	0.000001	ug/l	0.065 U	0.065 U
SW8082	11104-28-2	PCB-1221 (AROCLOR 1221)	0.000001	ug/l	0.065 U	0.065 U
SW8082	11141-16-5	PCB-1232 (AROCLOR 1232)	0.000001	ug/l	0.065 U	0.065 U
SW8082	53469-21-9	PCB-1242 (AROCLOR 1242)	0.000001	ug/l	0.065 U	0.065 U
SW8082	12672-29-6	PCB-1248 (AROCLOR 1248)	0.000001	ug/l	0.065 U	0.065 U
SW8082	11097-69-1	PCB-1254 (AROCLOR 1254)	0.000001	ug/l	0.065 U	0.065 U
SW8082	11096-82-5	PCB-1260 (AROCLOR 1260)	0.000001	ug/l	0.065 U	0.065 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	NS	ug/l	10 U	10 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/l	10 U	10 U
SW8260	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	ug/l	10 U	10 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/l	10 U	10 U
SW8260	75-34-3	1,1-DICHLOROETHANE	NS	ug/l	10 U	10 U
SW8260	75-35-4	1,1-DICHLOROETHENE	NS	ug/l	10 U	10 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/l	10 U	10 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/l	10 U	10 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/l	10 U	10 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	5	ug/l	10 U	10 U
SW8260	107-06-2	1,2-DICHLOROETHANE	NS	ug/l	10 U	10 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/l	10 U	10 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	5	ug/l	10 U	10 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	5	ug/l	10 U	10 U
SW8260	591-78-6	2-HEXANONE	NS	ug/l	10 U	10 U
SW8260	67-64-1	ACETONE	NS	ug/l	10 U	10 U
SW8260	71-43-2	BENZENE	10	ug/l	10 U	10 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/l	10 U	10 U
SW8260	75-25-2	BROMOFORM	NS	ug/l	10 U	10 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/l	10 U	10 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/l	10 U	10 U
SW8260	56-23-5	CARBON TETRACHLORIDE	NS	ug/l	10 U	10 U
SW8260	108-90-7	CHLOROBENZENE	5	ug/l	10 U	10 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/l	10 U	10 U
SW8260	67-66-3	CHLOROFORM	NS	ug/l	10 U	10 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/l	10 U	10 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	NS	ug/l	10 U	10 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/l	10 U	10 U
SW8260	110-82-7	CYCLOHEXANE	NS	ug/l	10 U	10 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/l	10 U	10 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/l	10 U	10 U
SW8260	1330-20-7	DIMETHYL BENZENE	65	ug/l	10 U	10 U
SW8260	100-41-4	ETHYLBENZENE	17	ug/l	10 U	10 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	2.6	ug/l	10 U	10 U
SW8260	79-20-9	METHYL ACETATE	NS	ug/l	10 U	10 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	NS	ug/l	10 U	10 U
SW8260	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	ug/l	10 U	10 U

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-009_110205WS LR-009 11/2/2005 LR-001 Surface Water	LR-010_110205WS LR-010 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units		
SW8260	108-87-2	METHYLCYCLOHEXANE	NS	ug/l	10 U	10 U
SW8260	75-09-2	METHYLENE CHLORIDE	200	ug/l	10 U	10 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	65	ug/l	10 U	10 U
SW8260	100-42-5	STYRENE	NS	ug/l	10 U	10 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	NS	ug/l	10 U	10 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1	ug/l	10 U	10 U
SW8260	108-88-3	TOLUENE	100	ug/l	10 U	10 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	NS	ug/l	10 U	10 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/l	10 U	10 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	40	ug/l	9 J	10 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/l	10 U	10 U
SW8260	75-01-4	VINYL CHLORIDE	NS	ug/l	10 U	10 U
SW8270	120-82-1	1,2,4-TRICHLOROBENZENE	5	ug/l	5 U	5 U
SW8270	95-50-1	1,2-DICHLOROBENZENE	5	ug/l	5 U	5 U
SW8270	541-73-1	1,3-DICHLOROBENZENE	5	ug/l	5 U	5 U
SW8270	106-46-7	1,4-DICHLOROBENZENE	5	ug/l	5 U	5 U
SW8270	95-95-4	2,4,5-TRICHLOROPHENOL	NS	ug/l	5 U	5 U
SW8270	88-06-2	2,4,6-TRICHLOROPHENOL	NS	ug/l	5 U	5 U
SW8270	120-83-2	2,4-DICHLOROPHENOL	NS	ug/l	5 U	5 U
SW8270	105-67-9	2,4-DIMETHYLPHENOL	1000	ug/l	5 U	5 U
SW8270	51-28-5	2,4-DINITROPHENOL	400	ug/l	25 UJ	25 UJ
SW8270	121-14-2	2,4-DINITROTOLUENE	NS	ug/l	5 U	5 U
SW8270	606-20-2	2,6-DINITROTOLUENE	NS	ug/l	5 U	5 U
SW8270	91-58-7	2-CHLORONAPHTHALENE	NS	ug/l	5 U	5 U
SW8270	95-57-8	2-CHLOROPHENOL	NS	ug/l	5 U	5 U
SW8270	91-57-6	2-METHYLNAPHTHALENE	4.7	ug/l	5 U	5 U
SW8270	95-48-7	2-METHYLPHENOL (O-CRESOL)	NS	ug/l	5 U	5 U
SW8270	88-74-4	2-NITROANILINE	NS	ug/l	25 U	25 U
SW8270	88-75-5	2-NITROPHENOL	NS	ug/l	5 U	5 U
SW8270	91-94-1	3,3'-DICHLOROBENZIDINE	NS	ug/l	10 U	10 U
SW8270	99-09-2	3-NITROANILINE	NS	ug/l	25 U	25 U
SW8270	534-52-1	4,6-DINITRO-2-METHYLPHENOL	NS	ug/l	25 U	25 U
SW8270	101-55-3	4-BROMOPHENYL PHENYL ETHER	NS	ug/l	5 U	5 U
SW8270	59-50-7	4-CHLORO-3-METHYLPHENOL	NS	ug/l	5 U	5 U
SW8270	106-47-8	4-CHLOROANILINE	NS	ug/l	5 U	5 U
SW8270	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	NS	ug/l	5 U	5 U
SW8270	106-44-5	4-METHYLPHENOL (P-CRESOL)	NS	ug/l	5 U	5 U
SW8270	100-01-6	4-NITROANILINE	NS	ug/l	25 U	25 U
SW8270	100-02-7	4-NITROPHENOL	NS	ug/l	25 U	25 U
SW8270	83-32-9	ACENAPHTHENE	5.3	ug/l	5 U	5 U
SW8270	208-96-8	ACENAPHTHYLENE	NS	ug/l	5 U	5 U
SW8270	120-12-7	ANTHRACENE	3.8	ug/l	5 U	5 U
SW8270	56-55-3	BENZO(A)ANTHRACENE	0.03	ug/l	5 U	5 U
SW8270	50-32-8	BENZO(A)PYRENE	0.0012	ug/l	5 U	5 U
SW8270	205-99-2	BENZO(B)FLUORANTHENE	NS	ug/l	5 U	5 U
SW8270	191-24-2	BENZO(G,H,I)PERYLENE	NS	ug/l	5 U	5 U
SW8270	207-08-9	BENZO(K)FLUORANTHENE	NS	ug/l	5 U	5 U
SW8270	85-68-7	BENZYL BUTYL PHTHALATE	NS	ug/l	5 U	5 U
SW8270	111-91-1	BIS(2-CHLOROETHOXY) METHANE	NS	ug/l	5 U	5 U
SW8270	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	ug/l	5 U	5 U
SW8270	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	NS	ug/l	5 U	5 U
SW8270	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	0.6	ug/l	5 U	5 U
SW8270	86-74-8	CARBAZOLE	NS	ug/l	5 U	5 U

J L Steel Historical
Surface Waters

			NYSDEC Class C Surface Water Criteria	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	LR-009_110205WS LR-009 11/2/2005 LR-001 Surface Water	LR-010_110205WS LR-010 11/2/2005 LR-001 Surface Water
method	cas_rn	chemical_name		units		
SW8270	218-01-9	CHRYSENE	NS	ug/l	5 U	5 U
SW8270	53-70-3	DIBENZ(A,H)ANTHRACENE	NS	ug/l	5 U	5 U
SW8270	132-64-9	DIBENZOFURAN	NS	ug/l	5 U	5 U
SW8270	84-66-2	DIETHYL PHTHALATE	NS	ug/l	5 U	5 U
SW8270	131-11-3	DIMETHYL PHTHALATE	NS	ug/l	5 U	5 U
SW8270	84-74-2	DI-N-BUTYL PHTHALATE	NS	ug/l	5 U	5 U
SW8270	117-84-0	DI-N-OCTYLPHTHALATE	NS	ug/l	5 U	5 U
SW8270	206-44-0	FLUORANTHENE	NS	ug/l	5 U	5 U
SW8270	86-73-7	FLUORENE	0.54	ug/l	5 U	5 U
SW8270	118-74-1	HEXACHLOROBENZENE	0.01	ug/l	5 U	5 U
SW8270	87-68-3	HEXACHLOROBUTADIENE	0.00003	ug/l	5 U	5 U
SW8270	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.01	ug/l	5 U	5 U
SW8270	67-72-1	HEXACHLOROETHANE	0.6	ug/l	5 U	5 U
SW8270	193-39-5	INDENO(1,2,3-C,D)PYRENE	NS	ug/l	5 U	5 U
SW8270	78-59-1	ISOPHORONE	NS	ug/l	5 U	5 U
SW8270	91-20-3	NAPHTHALENE	13	ug/l	5 U	5 U
SW8270	98-95-3	NITROBENZENE	NS	ug/l	5 U	5 U
SW8270	621-64-7	N-NITROSODI-N-PROPYLAMINE	NS	ug/l	5 U	5 U
SW8270	86-30-6	N-NITROSODIPHENYLAMINE	NS	ug/l	5 U	5 U
SW8270	87-86-5	PENTACHLOROPHENOL	6.7	ug/l	25 U	25 U
SW8270	85-01-8	PHENANTHRENE	5	ug/l	5 U	5 U
SW8270	108-95-2	PHENOL	5	ug/l	5 U	5 U
SW8270	129-00-0	PYRENE	4.6	ug/l	5 U	5 U

(1) - Standard based on an average hardness of 93 mgcaco3/L

J L Steel Historical
Leachates

				sys_sample_code	LF-SS-1_110305	LF-SS-2_110305	LF-SS-3_110305	LF-SS-4_110305	LR-001_110205	LR-002_110205
				sys_loc_code	LS-SS-1	LS-SS-2	LS-SS-3	LS-SS-4	LR-001	LR-002
				sample_date	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/2/2005	11/2/2005
				lab_sdg	LF-SS-1	LF-SS-1	LF-SS-1	LF-SS-1	LF-SS-1	LF-SS-1
				matrix_code	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units						
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 UJ
SW6010	7440-39-3	BARIUM	100000	ug/l	280	710	630	290	290	420
SW6010	7440-43-9	CADMIUM	1000	ug/l	0.2 U	0.36 B	1.5 B	0.2 U	2 U	1.1 BJ
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	2.9 B	2.4 U	5.7 B	3.4 B	2.3 U	2.3 UJ
SW6010	7439-92-1	LEAD	5000	ug/l	2.8 UJ	2.8 UJ	2.8 UJ	3.8 UJ	4 J-	4.4 J-
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 UJ
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 NJ	2.7 NJ	2.7 NJ	2.7 NJ	2.7 NJ	2.7 NJ

				sys_sample_code	LR-003_110205	LR-004_110205	LR-005_110205	LR-006_110205	LR-007_110205	LR-008_110205
				sys_loc_code	LR-003	LR-004	LR-005	LR-006	LR-007	LR-008
				sample_date	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
				lab_sdg	LF-SS-1	LF-SS-1	LF-SS-1	LF-SS-1	LF-SS-1	LF-SS-1
				matrix_code	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units						
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	100000	ug/l	380	93 B	390	1600	880	740
SW6010	7440-43-9	CADMIUM	1000	ug/l	0.26 B	2.3 B	0.78 B	0.44 B	0.2 U	0.2 U
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	3.7 B	3.6 B	3.3 B	2.4 U	7.9 B	2.4 U
SW6010	7439-92-1	LEAD	5000	ug/l	2.8 UJ	6 J-	2.8 UJ	2.8 UJ	2.8 UJ	2.8 UJ
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 NJ	2.7 NJ	2.7 NJ	2.7 NJ	2.7 NJ	2.7 NJ

J L Steel Historical
Leachates

				sys_sample_code	LR-009_110205	LR-010_110205	MPA-SS-1_110305	MPA-SS-2_110305	MPA-SS-3_110305	MPA-SS-4_110305
				sys_loc_code	LR-009	LR-010	MPA-SS-1	MPA-SS-2	MPA-SS-3	MPA-SS-4
				sample_date	11/2/2005	11/2/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005
				lab_sdg	LF-SS-1	LF-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1
				matrix_code	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units						
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U	4.6 B	3.9 U	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	100000	ug/l	250	440	33 B	1100	1800	210
SW6010	7440-43-9	CADMIUM	1000	ug/l	0.5 B	0.2 U	0.2 U	0.68 B	2.3 B	3.2 B
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	3 B	3.3 B	2.3 U	2.3 U	2.5 B	2.5 B
SW6010	7439-92-1	LEAD	5000	ug/l	2.8 UJ	220 J-	2.8 U	2.8 B	20	14
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U	4.6 U	12	7.8	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 NJ	2.7 NJ	2.7 U	2.7 U	2.7 U	2.7 U

J L Steel Historical
Leachates

				sys_sample_code	MPA-SS-5_110305	MPA-SS-6_110305	MPA-SS-7_110305	MPA-SS-8_110305	MPA-SS-9_110305	MPA-SS-10_110305
				sys_loc_code	MPA-SS-5	MPA-SS-6	MPA-SS-7	MPA-SS-8	MPA-SS-9	MPA-SS-10
				sample_date	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005
				lab_sdg	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1
				matrix_code	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units						
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	100000	ug/l	2100	150 B	1500	740	770	860
SW6010	7440-43-9	CADMIUM	1000	ug/l	2.1 B	0.77 B	3.6 B	0.8 B	0.55 B	3 B
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	2.4 B	5.3 B	2.3 U	2.3 U	2.3 U	3.9 B
SW6010	7439-92-1	LEAD	5000	ug/l	2.8 U	2.8 U	71	18	2.8 U	25
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U

J L Steel Historical
Leachates

				sys_sample_code	MPA-SS-11_110305	MPA-SS-12_110305	MPA-SS-13_110305	MPA-SS-14_110305	MPA-SS-15_110305	OCA-SS-1_110305
				sys_loc_code	MPA-SS-11	MPA-SS-12	MPA-SS-13	MPA-SS-14	MPA-SS-15	OCA-SS-1
				sample_date	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005
				lab_sdg	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1	LF-SS-1
				matrix_code	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units						
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	100000	ug/l	380	380	1700	1600	930	970
SW6010	7440-43-9	CADMIUM	1000	ug/l	0.58 B	0.65 B	0.64 B	1.3 B	0.2 U	0.2 U
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	2.3 U	2.3 U	2.3 U	2.3 U	2.5 B	3 B
SW6010	7439-92-1	LEAD	5000	ug/l	2.8 U	2.8 U	5	7.8	35 B	2.8 UJ
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 NJ

J L Steel Historical
Leachates

				sys_sample_code	OCA-SS-2_110305	OCA-SS-3_110305	R3-SS-1_110305	R3-SS-2_110305	R60-SS-1_110305	R60-SS-2_110305
				sys_loc_code	OCA-SS-2	OCA-SS-3	R3-SS-1	R3-SS-2	R60-SS-1	R60-SS-2
				sample_date	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005	11/3/2005
				lab_sdg	LF-SS-1	LF-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1	MPA-SS-1
				matrix_code	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units						
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
SW6010	7440-39-3	BARIUM	100000	ug/l	950	1400	580	550	550	650
SW6010	7440-43-9	CADMIUM	1000	ug/l	2.1 B	0.86 B	0.36 B	0.39 B	1.7 B	0.43 B
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	4.1 B	3.5 B	2.7 B	2.3 U	2.3 U	2.3 U
SW6010	7439-92-1	LEAD	5000	ug/l	37 J-	2.8 UJ	4.5	3.9	10	2.8 U
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	6.1
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 NJ	2.7 NJ	2.7 U	2.7 U	2.7 U	2.7 U

J L Steel Historical
Leachates

				sys_sample_code	R60-SS-3_110305
				sys_loc_code	R60-SS-3
				sample_date	11/3/2005
				lab_sdg	MPA-SS-1
				matrix_code	Leachate
method	cas_rn	chemical_name	TCLP Criteria	units	
SW6010	7440-38-2	ARSENIC	5000	ug/l	3.9 U
SW6010	7440-39-3	BARIUM	100000	ug/l	520
SW6010	7440-43-9	CADMIUM	1000	ug/l	0.26 B
SW6010	7440-47-3	CHROMIUM, TOTAL	5000	ug/l	2.3 U
SW6010	7439-92-1	LEAD	5000	ug/l	2.8 U
SW7470	7439-97-6	MERCURY	200	ug/l	0.5 U
SW6010	7782-49-2	SELENIUM	1000	ug/l	4.6 U
SW6010	7440-22-4	SILVER	5000	ug/l	2.7 U

J L Steel Historical
Wipes

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	BLDG20-1_101408 BLDG20-1 10/14/2008 MG1844 Wipe	BLDG20-2_101408 BLDG20-2 10/14/2008 MG1844 Wipe	BLDG20-3_101408 BLDG20-3 10/14/2008 MG1844 Wipe	BLDG-32B_100708 BLDG 32B 10/7/2008 MG-1773 Wipe	BLDG-32C_100708 BLDG 32C 10/7/2008 MG-1773 Wipe
method	cas_rn	chemical_name		units					
SW7471	7439-97-6	MERCURY	0.18	mg/wipe	1.12	1.47	0.008		
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg				5800	380
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	NS	ug/kg				6.3 U	14 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	680	ug/kg				6.3 U	6.3 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/kg				6.3 U	6.3 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/kg				6.3 U	14 U
SW8260	75-34-3	1,1-DICHLOROETHANE	270	ug/kg				6.3 U	14 U
SW8260	75-35-4	1,1-DICHLOROETHENE	330	ug/kg				6.3 U	14 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	ug/kg				6.3 U	14 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	NS	ug/kg				6.3 U	14 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	ug/kg				6.3 U	14 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg				6.3 U	14 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3600	ug/kg				4.3 J	14 U
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/kg				6.3 U	14 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/kg				6.3 U	14 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg				6.3 U	14 U
SW8260	107-06-2	1,2-DICHLOROETHANE	20	ug/kg				6.3 U	14 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/kg				6.3 U	14 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8400	ug/kg				5.2 J	14 U
SW8260	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg				6.3 U	14 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	ug/kg				6.3 U	14 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg				6.3 U	14 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	ug/kg				6.3 U	14 U
SW8260	95-49-8	2-CHLOROTOLUENE	NS	ug/kg				6.3 U	14 U
SW8260	591-78-6	2-HEXANONE	NS	ug/kg				6.3 U	14 U
SW8260	106-43-4	4-CHLOROTOLUENE	NS	ug/kg				6.3 U	14 U
SW8260	67-64-1	ACETONE	50	ug/kg				160 J	420 J
SW8260	71-43-2	BENZENE	60	ug/kg				6.3 U	14 U
SW8260	108-86-1	BROMOBENZENE	NS	ug/kg				6.3 U	14 U
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	75-25-2	BROMOFORM	NS	ug/kg				6.3 U	14 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/kg				2 J	14 U
SW8260	56-23-5	CARBON TETRACHLORIDE	760	ug/kg				6.3 U	14 U
SW8260	108-90-7	CHLOROBENZENE	1100	ug/kg				6.3 U	14 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/kg				6.3 U	14 U
SW8260	67-66-3	CHLOROFORM	370	ug/kg				6.3 U	14 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	250	ug/kg				6.3 U	14 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/kg				6.3 U	14 U
SW8260	99-87-6	CYMENE	NS	ug/kg				7.7	14 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	74-95-3	DIBROMOMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	1330-20-7	DIMETHYL BENZENE	260	ug/kg				1.8 J	3.9 J
SW8260	100-41-4	ETHYLBENZENE	1000	ug/kg				6.3 U	14 U
SW8260	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg				6.3 U	14 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	ug/kg				6.3 U	14 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	ug/kg				6.3 U	14 U
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	120	ug/kg				37 J	110 J
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/kg				6.3 U	14 U
SW8260	75-09-2	METHYLENE CHLORIDE	50	ug/kg				6.3 U	14 U
SW8260	91-20-3	NAPHTHALENE	12000	ug/kg				6.3 U	14 U

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	BLDG20-1_101408 BLDG20-1 10/14/2008 MG1844 Wipe	BLDG20-2_101408 BLDG20-2 10/14/2008 MG1844 Wipe	BLDG20-3_101408 BLDG20-3 10/14/2008 MG1844 Wipe	BLDG-32B_100708 BLDG 32B 10/7/2008 MG-1773 Wipe	BLDG-32C_100708 BLDG 32C 10/7/2008 MG-1773 Wipe
method	cas_rn	chemical_name		units					
SW8260	104-51-8	N-BUTYLBENZENE	12000	ug/kg				18	14 U
SW8260	103-65-1	N-PROPYLBENZENE	3900	ug/kg				6.3 U	14 U
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	260	ug/kg				6.3 U	14 U
SW8260	135-98-8	SEC-BUTYLBENZENE	11000	ug/kg				5.1 J	14 U
SW8260	100-42-5	STYRENE	NS	ug/kg				6.3 U	14 U
SW8260	98-06-6	T-BUTYLBENZENE	5900	ug/kg				6.3 U	14 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	930	ug/kg				6.3 U	14 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1300	ug/kg				6.3 U	14 U
SW8260	108-88-3	TOLUENE	700	ug/kg				1.3 J	14 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	190	ug/kg				6.3 U	14 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/kg				6.3 U	14 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	470	ug/kg				6.3 U	14 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/kg				6.3 U	14 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/kg				6.3 U	14 U
SW8260	75-01-4	VINYL CHLORIDE	20	ug/kg				6.3 U	14 U
SW8260	XYLENES	XYLENES, TOTAL	260	ug/kg				1.8 J	3.9 J

J L Steel Historical
Wipes

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	BLDG-32D_100708 BLDG 32D 10/7/2008 MG-1773 Wipe	BLDG-32F_100708 BLDG 32F 10/7/2008 MG-1773 Wipe	BLDG-32G_100708 BLDG 32G 10/7/2008 MG-1773 Wipe	DUP-1_100708 BLDG 32G 10/7/2008 MG-1773 Wipe
method	cas_rn	chemical_name		units				
SW7471	7439-97-6	MERCURY	0.18	mg/wipe				
SW8015	TPH	TOTAL PETROLEUM HYDROCARBONS	NS	mg/kg	23000	9600	26000	22000
SW8260	630-20-6	1,1,1,2-TETRACHLOROETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	71-55-6	1,1,1-TRICHLOROETHANE	680	ug/kg	150 J	650 U	320 U	360 U
SW8260	79-34-5	1,1,2,2-TETRACHLOROETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	79-00-5	1,1,2-TRICHLOROETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-34-3	1,1-DICHLOROETHANE	270	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-35-4	1,1-DICHLOROETHENE	330	ug/kg	630 U	650 U	320 U	360 U
SW8260	563-58-6	1,1-DICHLOROPROPENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	87-61-6	1,2,3-TRICHLOROBENZENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	96-18-4	1,2,3-TRICHLOROPROPANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	120-82-1	1,2,4-TRICHLOROBENZENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	95-63-6	1,2,4-TRIMETHYLBENZENE	3600	ug/kg	12000	14000	2900	4500
SW8260	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	95-50-1	1,2-DICHLOROBENZENE	1100	ug/kg	630 U	650 U	320 U	360 U
SW8260	107-06-2	1,2-DICHLOROETHANE	20	ug/kg	630 U	650 U	320 U	360 U
SW8260	78-87-5	1,2-DICHLOROPROPANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8400	ug/kg	4800	4700	640	1100
SW8260	541-73-1	1,3-DICHLOROBENZENE	2400	ug/kg	630 U	650 U	320 U	360 U
SW8260	142-28-9	1,3-DICHLOROPROPANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	106-46-7	1,4-DICHLOROBENZENE	1800	ug/kg	630 U	650 U	320 U	360 U
SW8260	594-20-7	2,2-DICHLOROPROPANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	95-49-8	2-CHLOROTOLUENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	591-78-6	2-HEXANONE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	106-43-4	4-CHLOROTOLUENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	67-64-1	ACETONE	50	ug/kg	630 UJ	650 UJ	320 UJ	360 UJ
SW8260	71-43-2	BENZENE	60	ug/kg	630 U	650 U	320 U	360 U
SW8260	108-86-1	BROMOBENZENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	74-97-5	BROMOCHLOROMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-27-4	BROMODICHLOROMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-25-2	BROMOFORM	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	74-83-9	BROMOMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-15-0	CARBON DISULFIDE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	56-23-5	CARBON TETRACHLORIDE	760	ug/kg	630 U	650 U	320 U	360 U
SW8260	108-90-7	CHLOROBENZENE	1100	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-00-3	CHLOROETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	67-66-3	CHLOROFORM	370	ug/kg	630 U	650 U	320 U	360 U
SW8260	74-87-3	CHLOROMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	156-59-2	CIS-1,2-DICHLOROETHYLENE	250	ug/kg	630 U	650 U	320 U	360 U
SW8260	10061-01-5	CIS-1,3-DICHLOROPROPENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	99-87-6	CYMENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	124-48-1	DIBROMOCHLOROMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	74-95-3	DIBROMOMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-71-8	DICHLORODIFLUOROMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	1330-20-7	DIMETHYL BENZENE	260	ug/kg	740	2300	200 J	210 J
SW8260	100-41-4	ETHYLBENZENE	1000	ug/kg	760	1200	240 J	320 J
SW8260	87-68-3	HEXACHLOROBUTADIENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	74-88-4	IODOMETHANE (METHYL IODIDE)	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	ug/kg	2500	1100	390	520
SW8260	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	120	ug/kg	630 UJ	650 UJ	320 UJ	360 UJ
SW8260	108-10-1	METHYL ISOBUTYL KETONE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-09-2	METHYLENE CHLORIDE	50	ug/kg	630 U	650 U	320 U	360 U
SW8260	91-20-3	NAPHTHALENE	12000	ug/kg	21000	20000	2000	2100

J L Steel Historical
Wipes

			Part 375 Unrestricted SCOs	sys_sample_code sys_loc_code sample_date lab_sdg matrix_code	BLDG-32D_100708 BLDG 32D 10/7/2008 MG-1773 Wipe	BLDG-32F_100708 BLDG 32F 10/7/2008 MG-1773 Wipe	BLDG-32G_100708 BLDG 32G 10/7/2008 MG-1773 Wipe	DUP-1_100708 BLDG 32G 10/7/2008 MG-1773 Wipe
method	cas_rn	chemical_name		units				
SW8260	104-51-8	N-BUTYLBENZENE	12000	ug/kg	8300	4400	520	690
SW8260	103-65-1	N-PROPYLBENZENE	3900	ug/kg	4100	2000	550	810
SW8260	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	260	ug/kg	170 J	970	320 U	360 U
SW8260	135-98-8	SEC-BUTYLBENZENE	11000	ug/kg	4500	1500	500	700
SW8260	100-42-5	STYRENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	98-06-6	T-BUTYLBENZENE	5900	ug/kg	630 U	650 U	320 U	360 U
SW8260	1634-04-4	TERT-BUTYL METHYL ETHER	930	ug/kg	630 U	650 U	320 U	360 U
SW8260	127-18-4	TETRACHLOROETHYLENE(PCE)	1300	ug/kg	630 U	650 U	320 U	360 U
SW8260	108-88-3	TOLUENE	700	ug/kg	630 U	650 U	320 U	360 U
SW8260	156-60-5	TRANS-1,2-DICHLOROETHENE	190	ug/kg	630 U	650 U	320 U	360 U
SW8260	10061-02-6	TRANS-1,3-DICHLOROPROPENE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	79-01-6	TRICHLOROETHYLENE (TCE)	470	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-69-4	TRICHLOROFLUOROMETHANE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	108-05-4	VINYL ACETATE	NS	ug/kg	630 U	650 U	320 U	360 U
SW8260	75-01-4	VINYL CHLORIDE	20	ug/kg	630 U	650 U	320 U	360 U
SW8260	XYLENES	XYLENES, TOTAL	260	ug/kg	910	3300	200 J	210 J

APPENDIX G

SUPPLEMENTAL INFORMATION FUEL IDENTIFICATION NARRATIVES

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : Parsons Engineering of New York, Inc.

Project: Former J & L Steel Site Investigation

Laboratory Workorder / SDG #: M1716

SW846 8015D FUEL ID, Fuel Identification by GC-FID

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8015D FUEL ID

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3580A

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: F1
Instrument Type: GC-FID
Description: HP6890
Manufacturer: Hewlett-Packard

Model: 6890

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

MW6 (M1716-01A) Surrogate outside of QC limit due to dilution, recovery is below criteria for ortho-Terphenyl at 0% with criteria of (50-150).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Dilutions:

The following samples were analyzed at dilution:

MW6 (M1716-01A) : Dilution Factor: 10

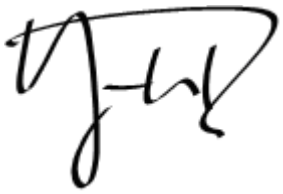
F. Samples:

No other unusual occurrences were noted during sample analysis.

G. Manual Integration

No sample in this SDG were performed with manual integration.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:_____  _____

Date:_____10/17/2013_____

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Analysis Report: Fuel Identification

Client: PARSONS_SYRACUSE

Project: PARSONS_JL_STEEL

Analysis: Fuel ID

Lab ID	Client Sample ID	Result
M1716-01A	MW6	Resembles Diesel Fuel/ #2 Fuel Oil

(*) Lab reference standards included:

Diesel Fuel/ #2 Fuel Oil
Motor Oil
#4 Fuel Oil
#5 Fuel Oil
#6 Fuel Oil
Unleaded Gasoline
Aviation Gasoline
Jet Fuel A
Kerosene
Creosote
Mineral Spirits
Hydraulic Oil
JP-4
JP-5
Transmission Fluid
Coal Tar
Transformer Oil

Data File: \\Avogadro\Organics\F1.I\130926A.B\F1J1226.D
Lab Smp Id: M1716-01A BN: 73900 Client Smp ID: MW6
Misc : | TPH 10X DIL Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 26 Sep 2013 12:46 Operator: TM
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 30 09:24:48 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32

	Compound	R.T.	Response	Conc Units
	Internal Standards			
11) I	5a-Androstane	6.86	7319658	40.000 ug/mL
	System Monitoring Compounds			
	Target Compounds			
4) H	TPH C9 to C36	1.35	1396642329	8121.638 ug/mL
	Integration Range:		1.35 to 11.50 minutes	
	Raw Range Area:		1427301539	
	Corrected Range Area (IS,SS):		1419981881	
	Instrument Blank Area (F1J1222):		23339552	

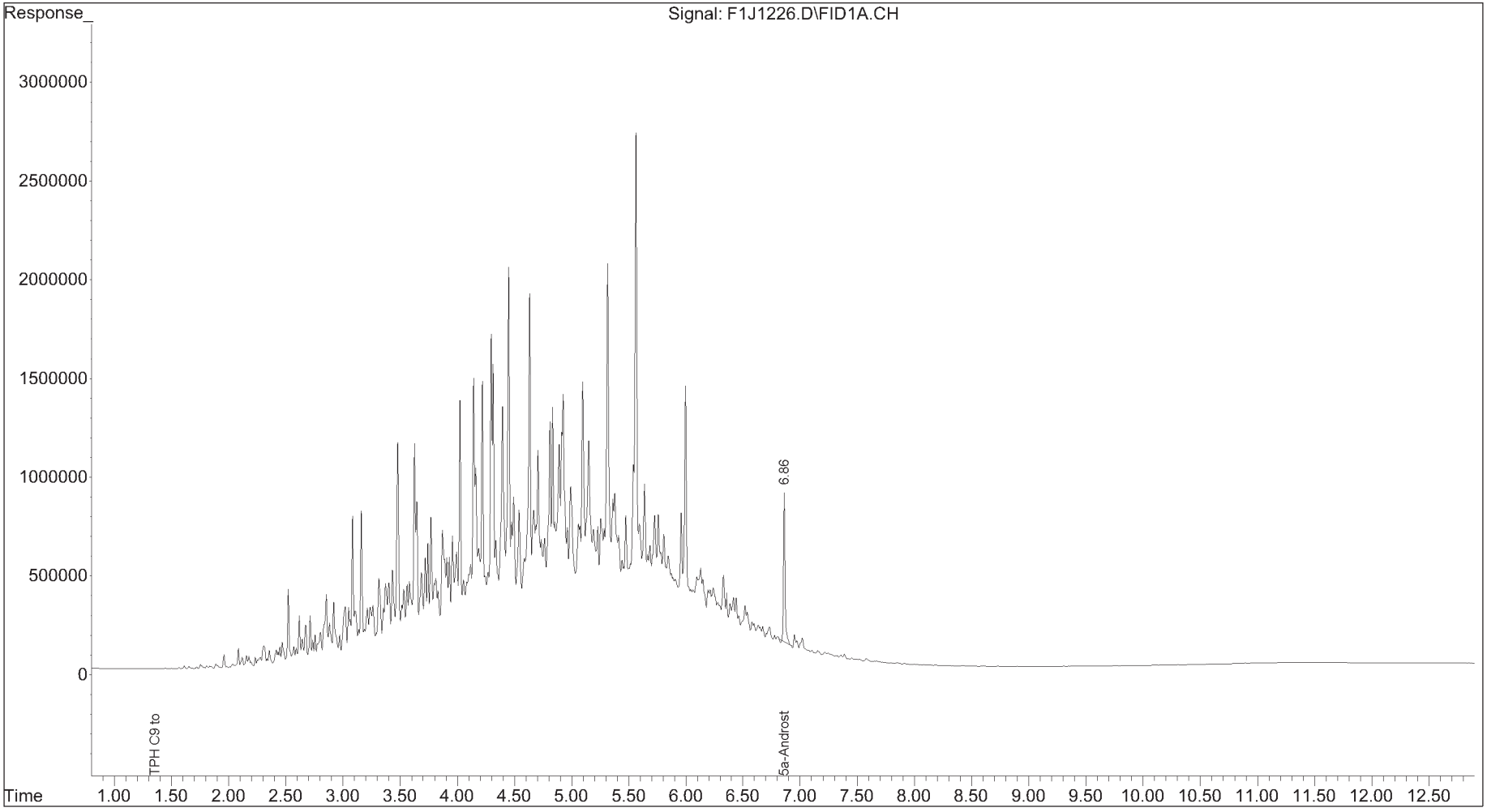
Corrected Range Area = Raw Range Area - Internal and Surrogate Area
Reported Area = Corrected Range Area - Instrument Blank Area

(f)=RT Delta > 1/2 Window (m)=manual int.

M1716

Data File: \\Avogadro\Organics\F1.I\130926A.B\F1J1226.D
Lab Smp Id: M1716-01A BN: 73900 Client Smp ID: MW6
Misc : | TPH 10X DIL Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 26 Sep 2013 12:46 Operator: TM
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 30 09:24:48 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32



* Total Petroleum Hydrocarbons *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : Parsons Engineering of New York, Inc.

Project: Former J & L Steel Site Investigation

Laboratory Workorder / SDG #: M1717

SW846 8015D FUEL ID, Fuel Identification by GC-FID

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8015D FUEL ID

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: F1
Instrument Type: GC-FID
Description: HP6890
Manufacturer: Hewlett-Packard

Model: 6890

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

FIELD DUP (M1717-05A), recovery is above criteria for ortho-Terphenyl at 161% with criteria of (50-150).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: GWS-04 (M1717-04AMS) and GWS-04 (M1717-04AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Dilutions:

No sample in this SDG required analysis at dilution.

F. Samples:

The lower concentration between the primary and confirmatory GC column concentrations is reported due to the presence of interferences unless otherwise indicated. P flags are assigned to compounds when D% between the two columns are greater than

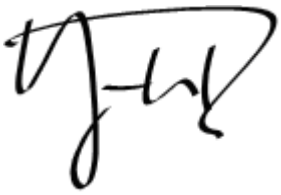
40%.

No other unusual occurrences were noted during sample analysis.

G. Manual Integration

No sample in this SDG were performed with manual integration.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____10/21/2013_____

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Analysis Report: Fuel Identification

Client: PARSONS_SYRACUSE

Project: PARSONS_JL_STEEL

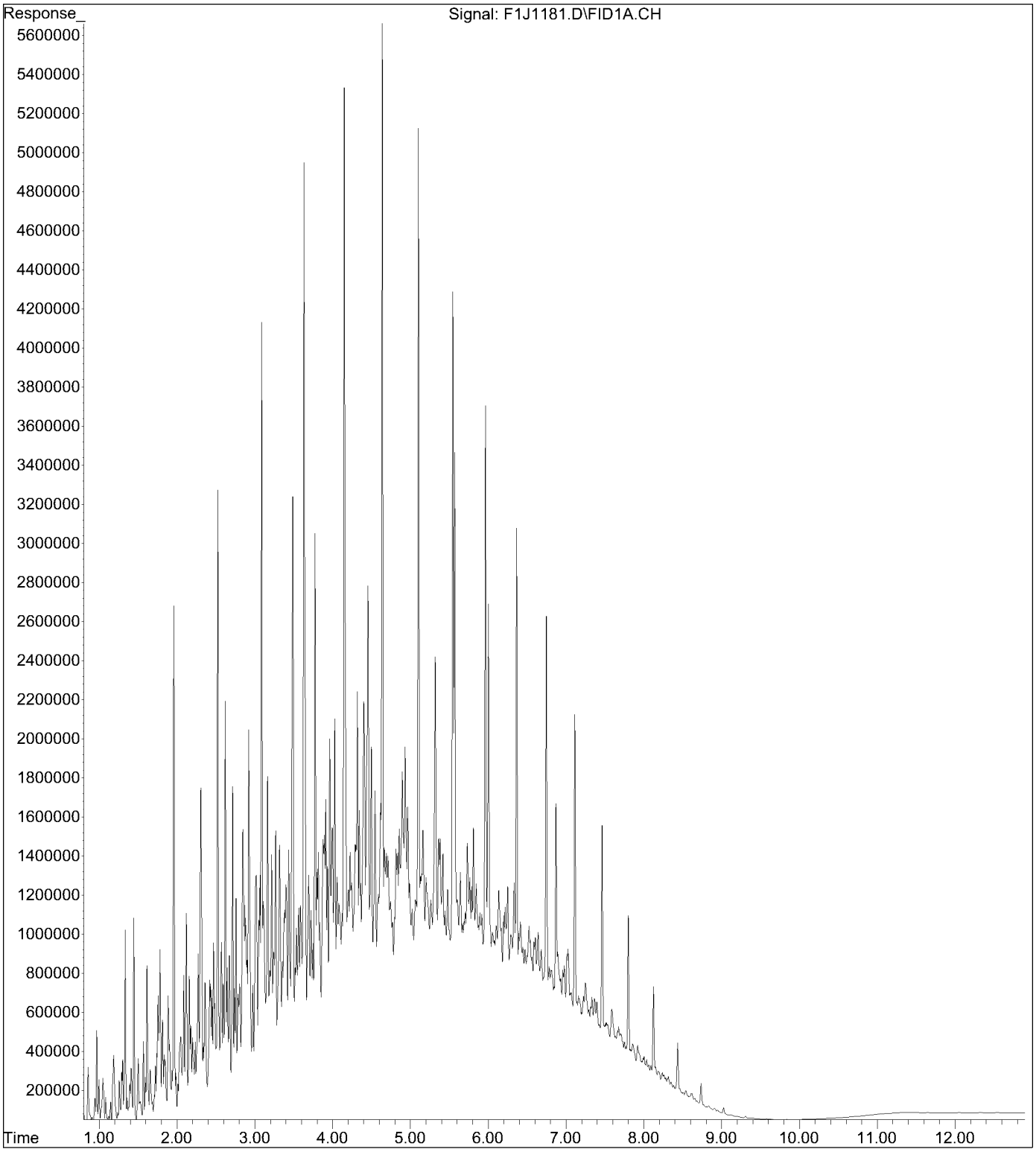
Analysis: Fuel ID

Lab ID	Client Sample ID	Result
M1717-01A	GWS-01	Resembles Diesel Fuel/ #2 Fuel Oil
M1717-02A	GWS-02	Resembles Diesel Fuel/ #2 Fuel Oil
M1717-03A	GWS-03	Resembles Diesel Fuel/ #2 Fuel Oil
M1717-04A	GWS-04	Resembles Diesel Fuel/ #2 Fuel Oil
M1717-05A	FIELD DUP	Resembles Diesel Fuel/ #2 Fuel Oil

(*) Lab reference standards included:

Diesel Fuel/ #2 Fuel Oil
Motor Oil
#4 Fuel Oil
#5 Fuel Oil
#6 Fuel Oil
Unleaded Gasoline
Aviation Gasoline
Jet Fuel A
Kerosene
Creosote
Mineral Spirits
Hydraulic Oil
JP-4
JP-5
Transmission Fluid
Coal Tar
Transformer Oil

File :O:\F1.I\130924A.B\F1J1181.D
Operator : TM
Acquired : 24 Sep 2013 17:01 using AcqMethod TPH_AGF.M
Instrument : FID1
Sample Name: #2 FUEL OIL
Misc Info :
Vial Number: 96



Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1247.D
Lab Smp Id: M1717-01A BN: 73875 Client Smp ID: GWS-01
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 11:59 Operator: TM
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 04 09:40:48 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32

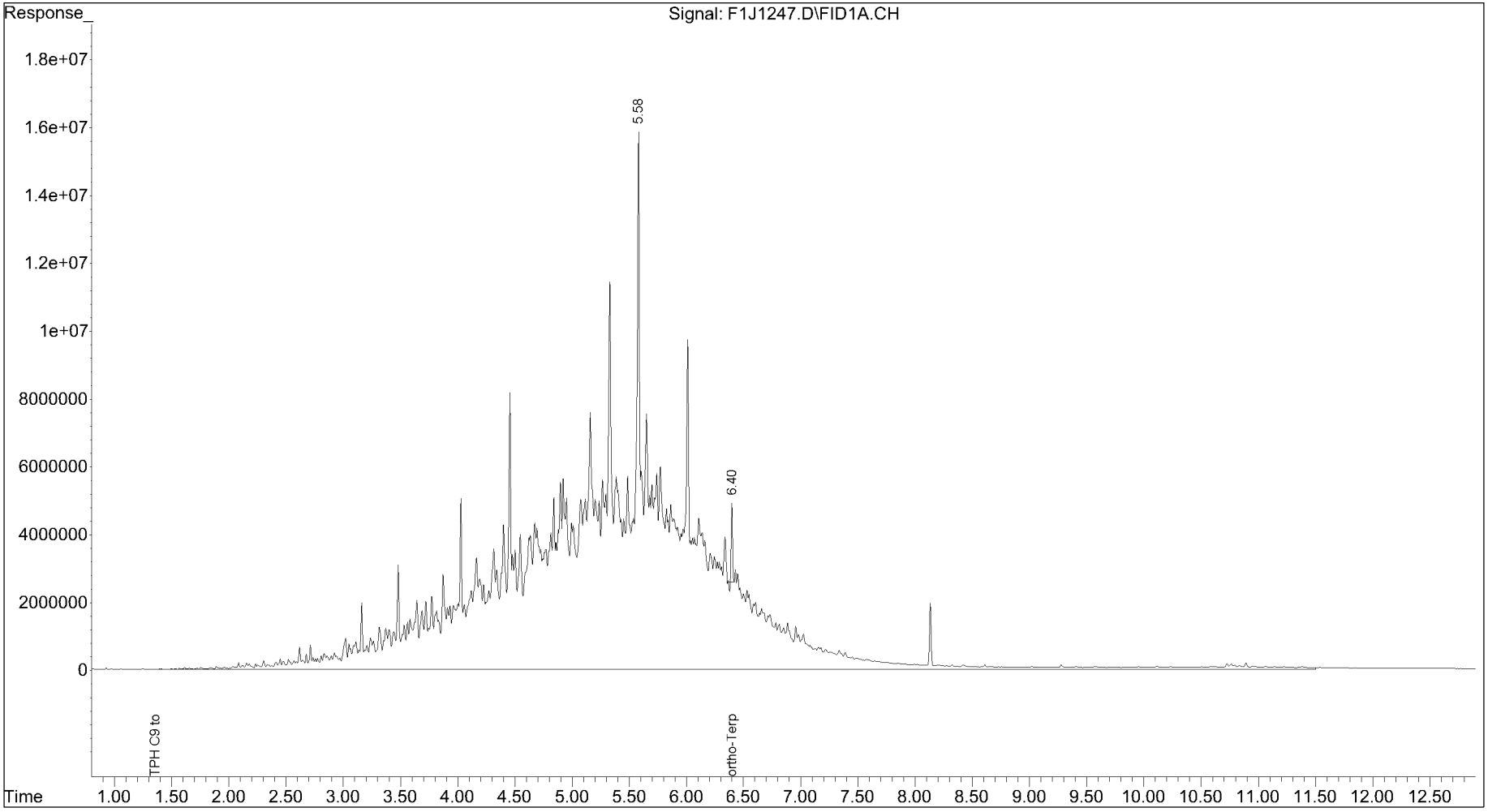
Compound	R.T.	Response	Conc Units
Internal Standards			
System Monitoring Compounds			
2) S ortho-Terphenyl	6.40	17294967	93.059 ug/mL
Spiked Amount 100.000		Recovery =	93.06%
Target Compounds			
4) H TPH C9 to C36	1.35	7588175062	44126.121 ug/mL
Integration Range:		1.35 to 11.50 minutes	
Raw Range Area:		7621410247	
Corrected Range Area (IS,SS):		7604115280	
Instrument Blank Area (F1J1244):		15940218	

Corrected Range Area = Raw Range Area - Internal and Surrogate Area
Reported Area = Corrected Range Area - Instrument Blank Area

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1247.D
Lab Smp Id: M1717-01A BN: 73875 Client Smp ID: GWS-01
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 11:59 Operator: TM
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 04 09:40:48 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32



Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1248.D
Lab Smp Id: M1717-02A BN: 73875 Client Smp ID: GWS-02
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 12:20 Operator: TM
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 04 09:40:49 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32

Compound	R.T.	Response	Conc Units
Internal Standards			
System Monitoring Compounds			
2) S ortho-Terphenyl	6.40	20366598	109.587 ug/mL
Spiked Amount 100.000		Recovery = 109.59%	
Target Compounds			
4) H TPH C9 to C36	1.35	15165218253	88187.509 ug/mL
Integration Range:		1.35 to 11.50 minutes	
Raw Range Area:		15201525069	
Corrected Range Area (IS,SS):		15181158471	
Instrument Blank Area (F1J1244):		15940218	

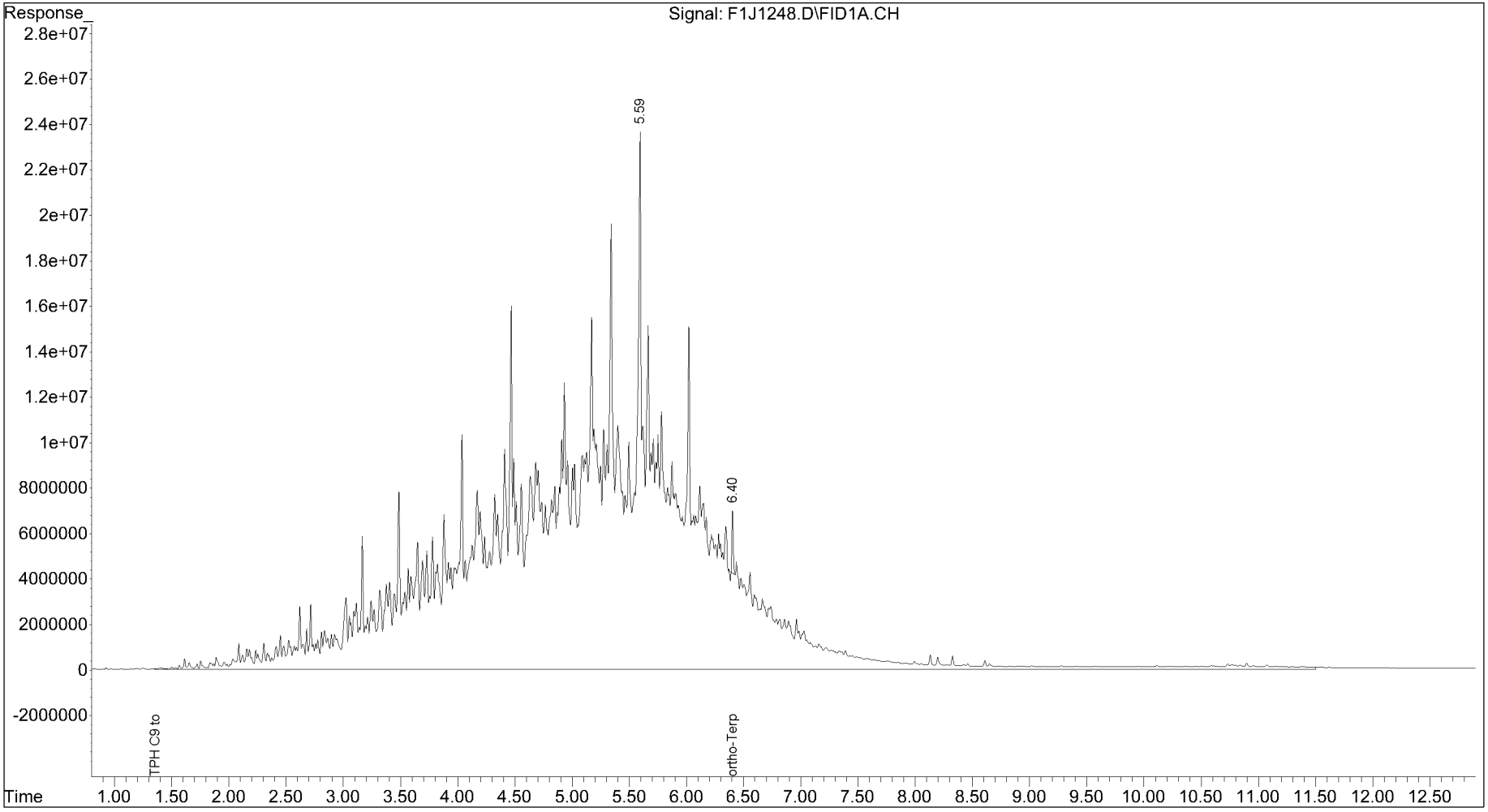
Corrected Range Area = Raw Range Area - Internal and Surrogate Area
Reported Area = Corrected Range Area - Instrument Blank Area

(f)=RT Delta > 1/2 Window (m)=manual int.

M1717-02A Page 522 of 1536

Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1248.D
Lab Smp Id: M1717-02A BN: 73875 Client Smp ID: GWS-02
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 12:20 Operator: TM
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 04 09:40:49 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32



Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1249.D
Lab Smp Id: M1717-03A BN: 73875 Client Smp ID: GWS-03
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 12:40 Operator: TM
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 04 09:40:50 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32

Compound	R.T.	Response	Conc Units
Internal Standards			
System Monitoring Compounds			
2) S ortho-Terphenyl	6.39	18636171	100.276 ug/mL
Spiked Amount 100.000		Recovery = 100.28%	
Target Compounds			
4) H TPH C9 to C36	1.35	560655884	3260.279 ug/mL
Integration Range:		1.35 to 11.50 minutes	
Raw Range Area:		595377440	
Corrected Range Area (IS,SS):		576596102	
Instrument Blank Area (F1J1244):		15940218	

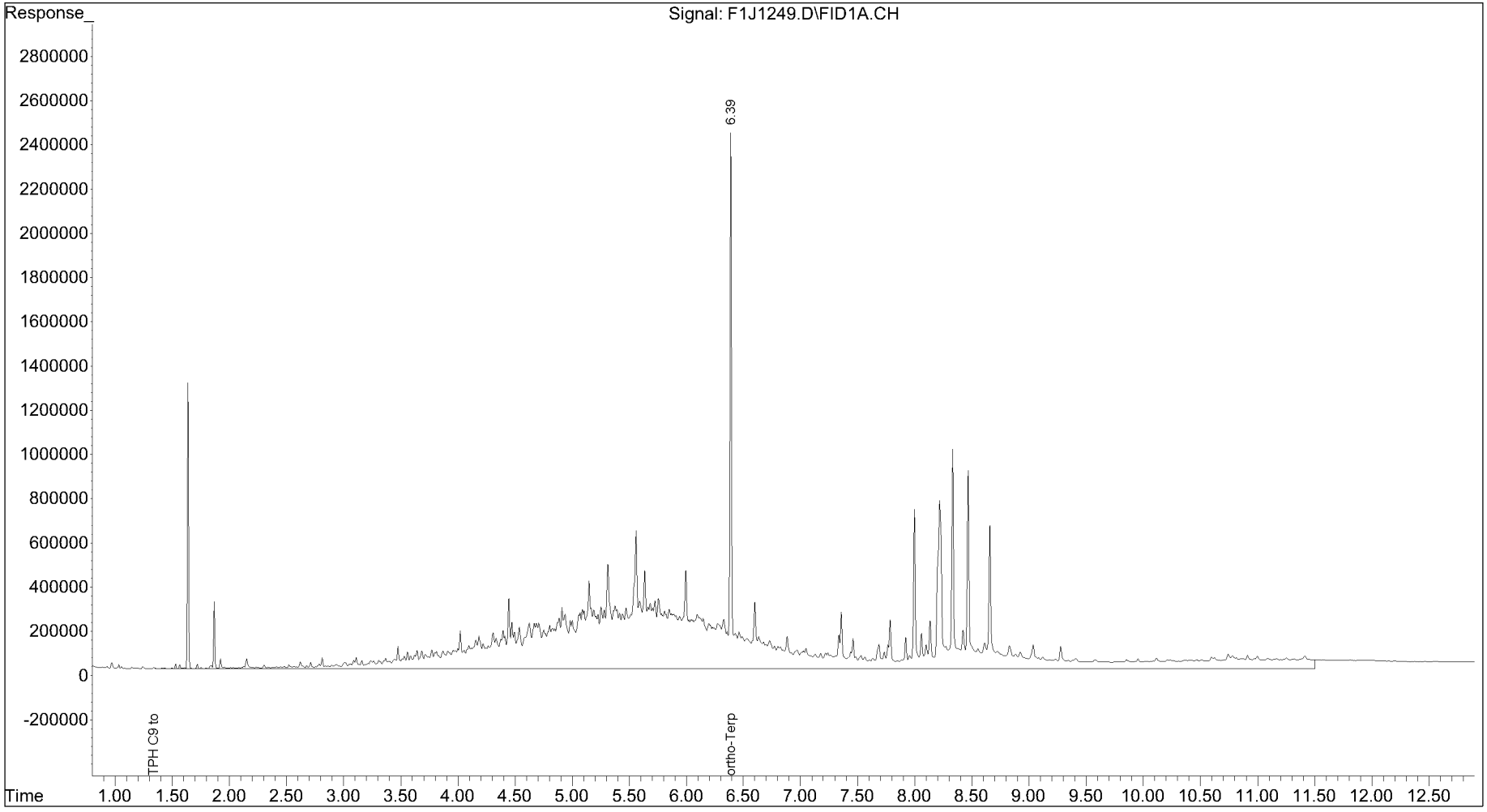
Corrected Range Area = Raw Range Area - Internal and Surrogate Area
Reported Area = Corrected Range Area - Instrument Blank Area

(f)=RT Delta > 1/2 Window (m)=manual int.

M1717-03A Page 524 of 1536

Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1249.D
Lab Smp Id: M1717-03A BN: 73875 Client Smp ID: GWS-03
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 12:40 Operator: TM
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 04 09:40:50 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32



Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1250.D
Lab Smp Id: M1717-04A BN: 73875 Client Smp ID: GWS-04
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 13:01 Operator: TM
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 04 09:40:51 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32

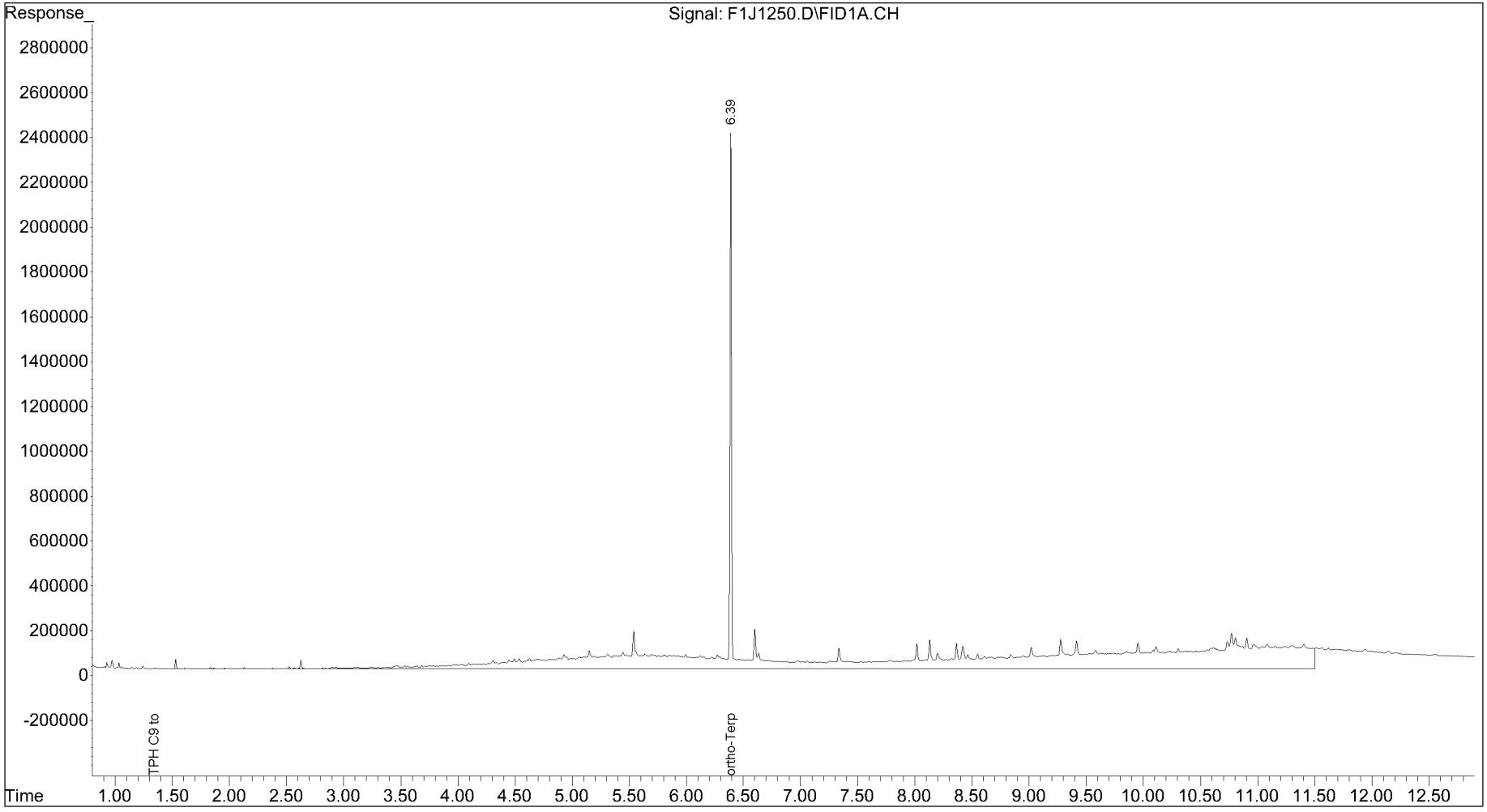
Compound	R.T.	Response	Conc Units
Internal Standards			
System Monitoring Compounds			
2) S ortho-Terphenyl	6.39	19747276	106.254 ug/mL
Spiked Amount 100.000		Recovery = 106.25%	
Target Compounds			
4) H TPH C9 to C36	1.35	243466375	1415.785 ug/mL
Integration Range:		1.35 to 11.50 minutes	
Raw Range Area:		279153869	
Corrected Range Area (IS,SS):		259406593	
Instrument Blank Area (F1J1244):		15940218	

Corrected Range Area = Raw Range Area - Internal and Surrogate Area
Reported Area = Corrected Range Area - Instrument Blank Area

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1250.D
Lab Smp Id: M1717-04A BN: 73875 Client Smp ID: GWS-04
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 13:01 Operator: TM
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 04 09:40:51 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32



Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1253.D
Lab Smp Id: M1717-05A BN: 73875 Client Smp ID: FIELD DUP
Misc : | TPH Inst ID: F1.I
Signal(s) : FID1A.CH
Inj Date : 03 Oct 2013 14:02 Operator: TM
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 04 09:40:54 2013
Quant Method : O:\F1.I\QMETHODS\TPH0815.M
Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
Volume Inj. : 2 uL
Signal Phase : DB-5MS
Signal Info : 0.32

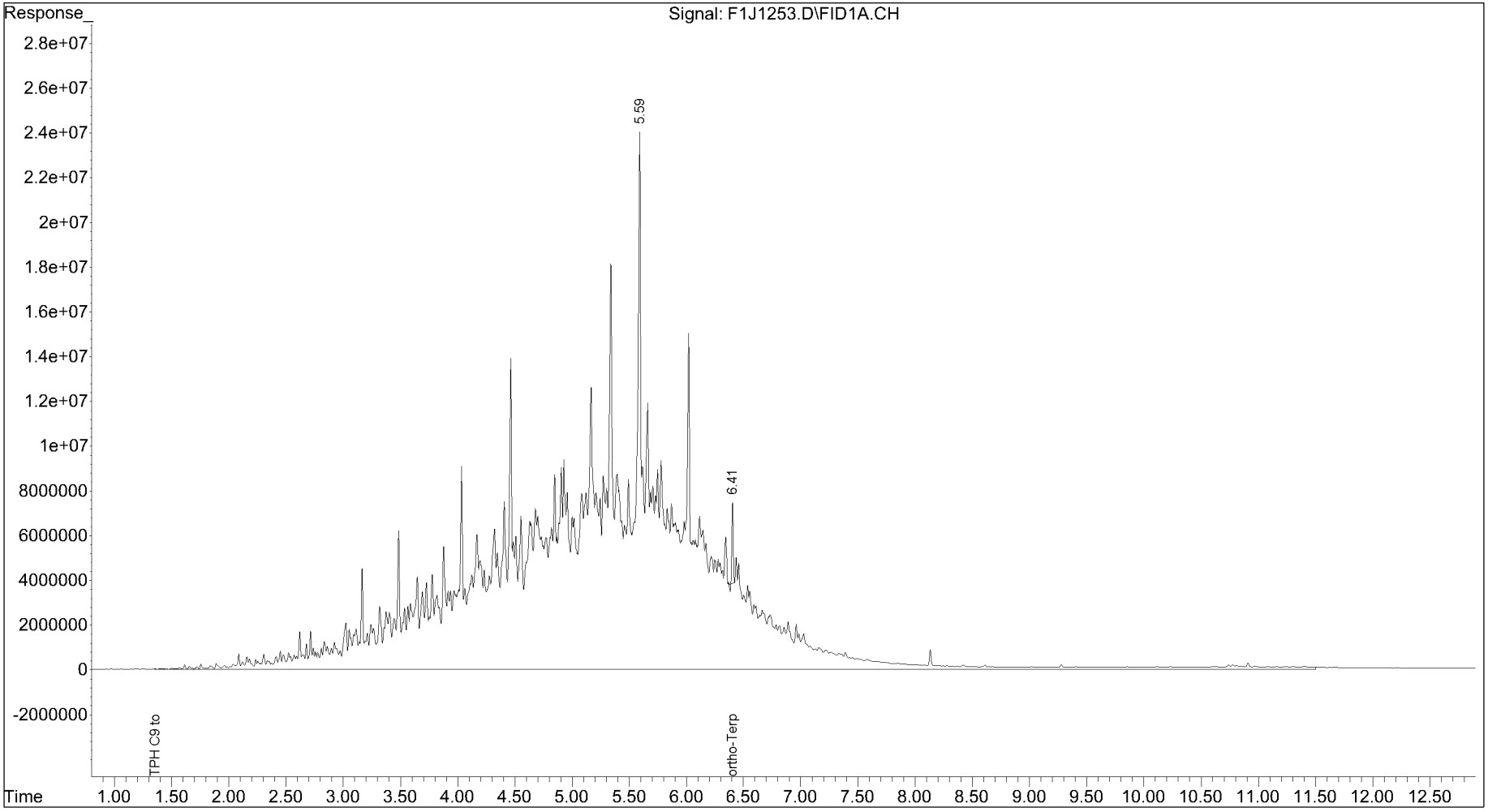
Compound	R.T.	Response	Conc Units
Internal Standards			
System Monitoring Compounds			
2) S ortho-Terphenyl	6.41	29938339	161.090 ug/mL
Spiked Amount 100.000		Recovery = 161.09%	
Target Compounds			
4) H TPH C9 to C36	1.35	12454243195	72422.873 ug/mL
Integration Range:		1.35 to 11.50 minutes	
Raw Range Area:		12500121752	
Corrected Range Area (IS,SS):		12470183413	
Instrument Blank Area (F1J1244):		15940218	

Corrected Range Area = Raw Range Area - Internal and Surrogate Area
Reported Area = Corrected Range Area - Instrument Blank Area

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: \\Avogadro\Organics\F1.I\131003A.B\F1J1253.D
Lab Smp Id: M1717-05A BN: 73875 Client Smp ID: FIELD DUP
Misc : | TPH Inst ID: F1.I
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Quant Title : TPH, ETPH, DRO, Fuel ID, ORO
Response via : Initial Calibration
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Signal Info : 0.32



APPENDIX H

NEW YORK LEAK DETECTION TUNNEL INVESTIGATION REPORT

NYLD Infrastructure

Field Report

NEW YORK LEAK DETECTION, INC.

Date: 9/21/2015 and 9/22/2015 Technician: Marcus Eriksson

Customer: Parsons Engineering of New York, Inc.

Site Address: NYSDEC J&L Steel Benson Mines Site. Intersection of NYS Rt. 3 and CR 60.

Contact Person: Dan Douglas Phone: 315-345-7974

Scope of Work: Utility location and video inspection of underground utility tunnel.

Type of Service:

☒ *Leak Detection* ☒ *Utility Location/GPR* ☒ *Video Inspection*

☐ *Infrastructure Assessment* ☐ *Utility Mapping/AutoCAD*

Type of Equipment Used

☐ *Profiler EMP 400* ☒ *RD8000* ☐ MetroTech Vivax vLocPro2

☐ *LC2500 Leak Correlator* ☐ *Noggin 250 mHz* ☐ PosiTector UTG G3

☐ *S-30 Surveyor* ☒ Noggin 500 mHz ☒ *Video Inspection Camera*

☐ *Sonde* ☐ Conquest 1000 mHz ☐ *Helium # Bottles*

☐ *Leica Robotic Total Station* ☐ *Leica GPS*

Marking Used

☒ *Paint* ☒ *Flags* ☐ *Chalk*

☐ *Updated existing maps onsite* ☐ *Other:* _____

Instructions from Onsite Contact: Underground utility vault runs through site. Vault contains abandoned electric, gas, product and unknown utility lines. NYLD to perform radar, camera and visual inspection of utility vault to determine location and/or if abandoned product piping shows any sign of present or past leaks.

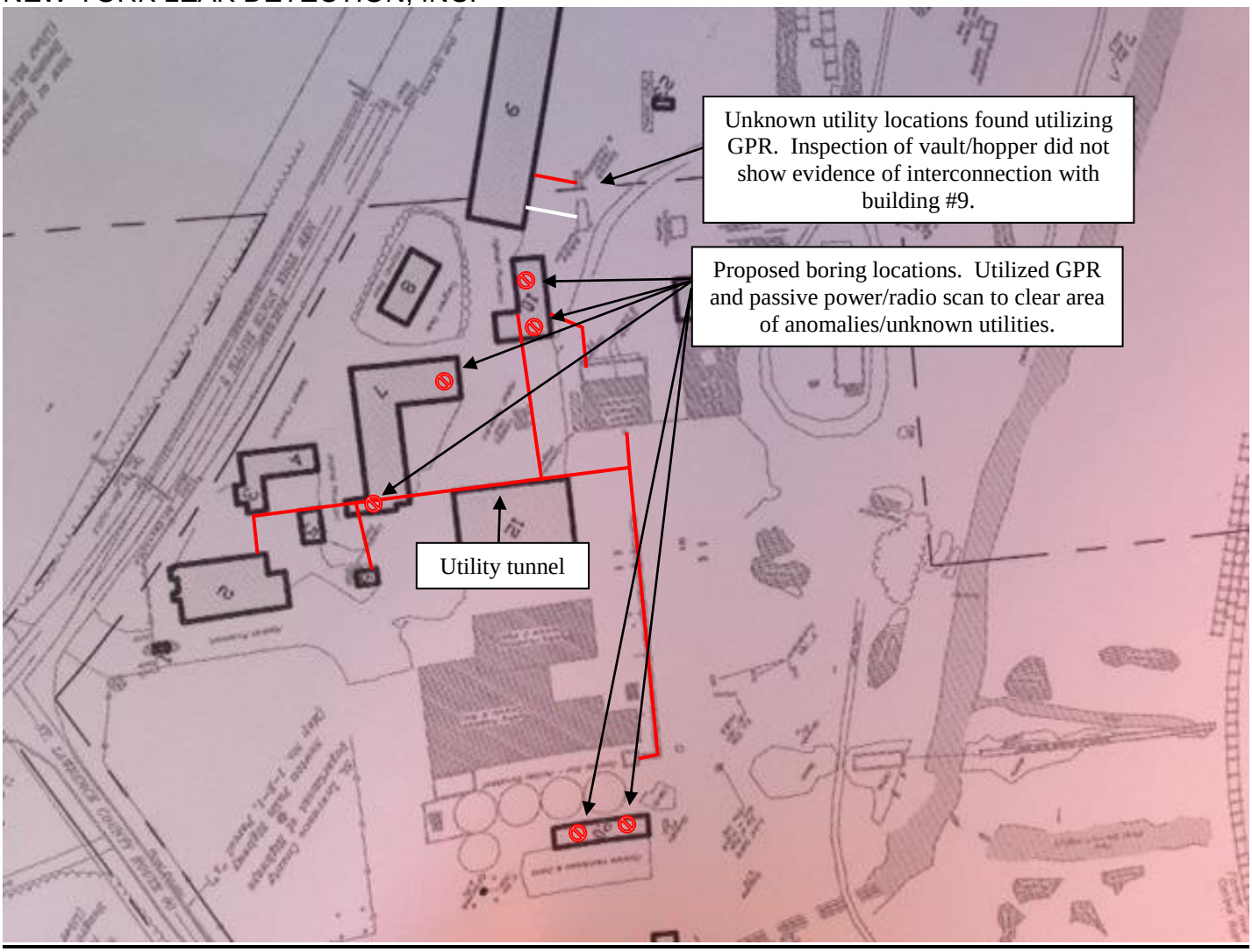
Size of Pipe: n/a

Ground Cover/Weather Conditions: Asphalt, concrete, soil, gravel. Sun/70 degrees.

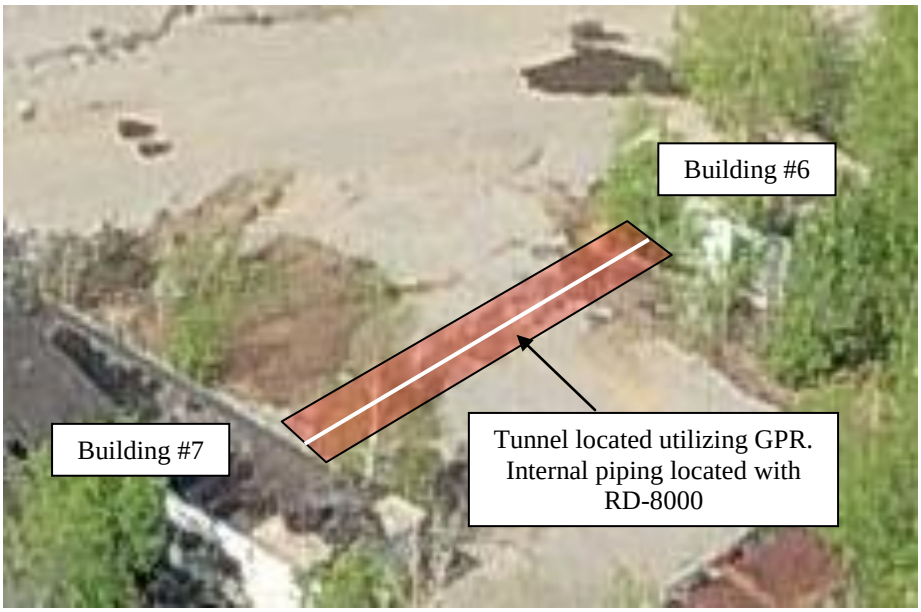
Information Transfer

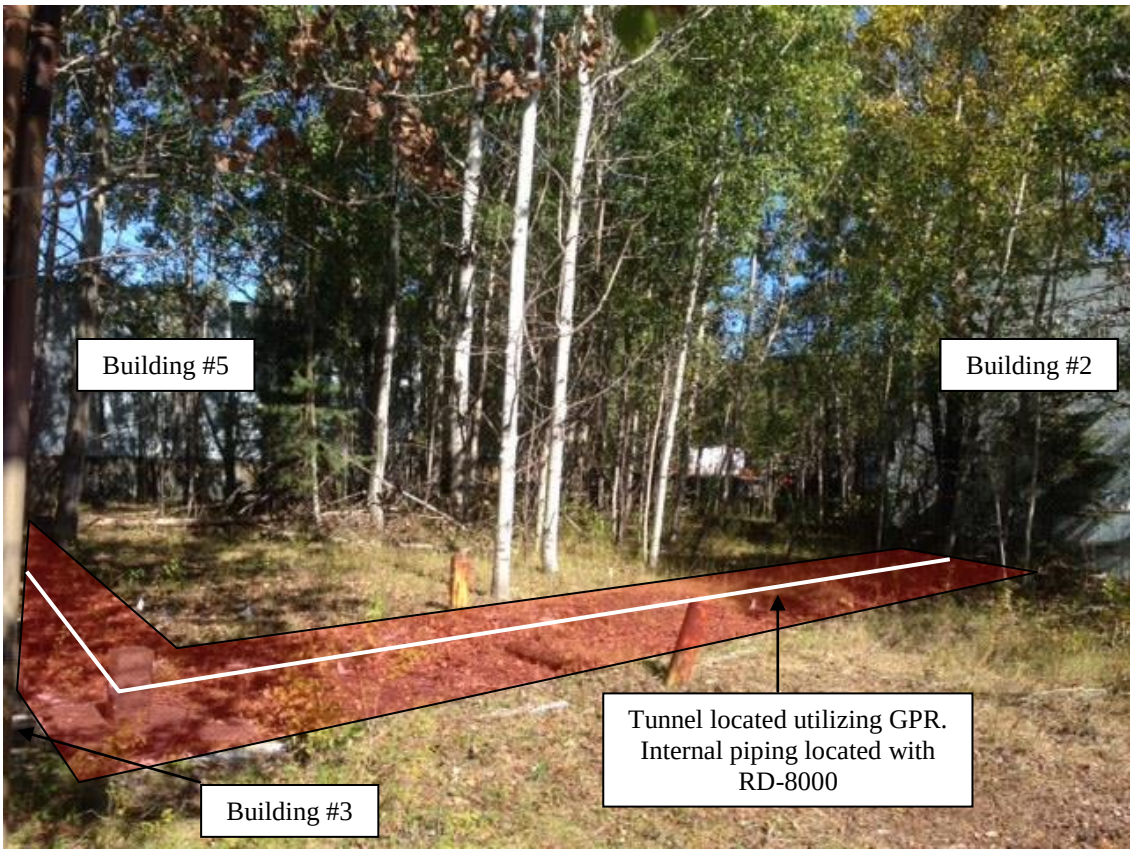
☒ *Information relayed on site to:* ☐ *Hand drawn map (forward to office for digital remake)* ☐ *All markings picked up by surveyors*

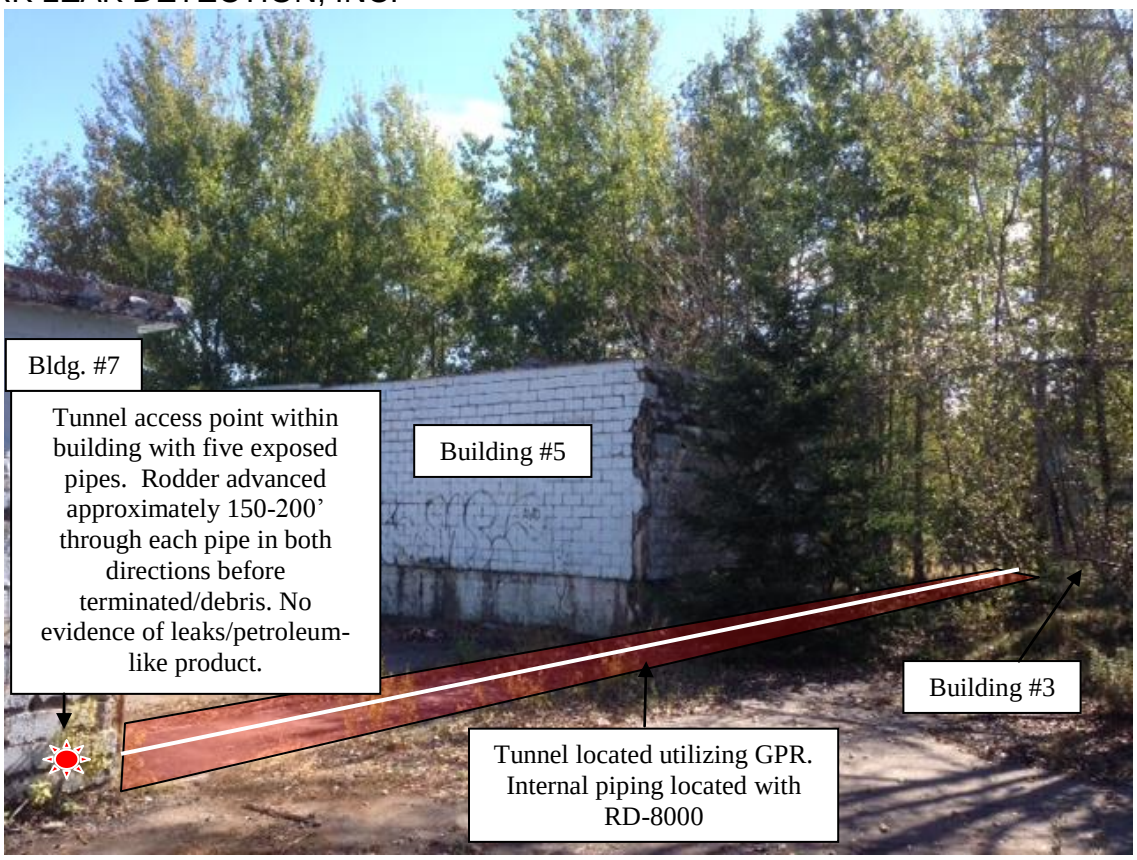
Dan Douglas: 315-345-7974

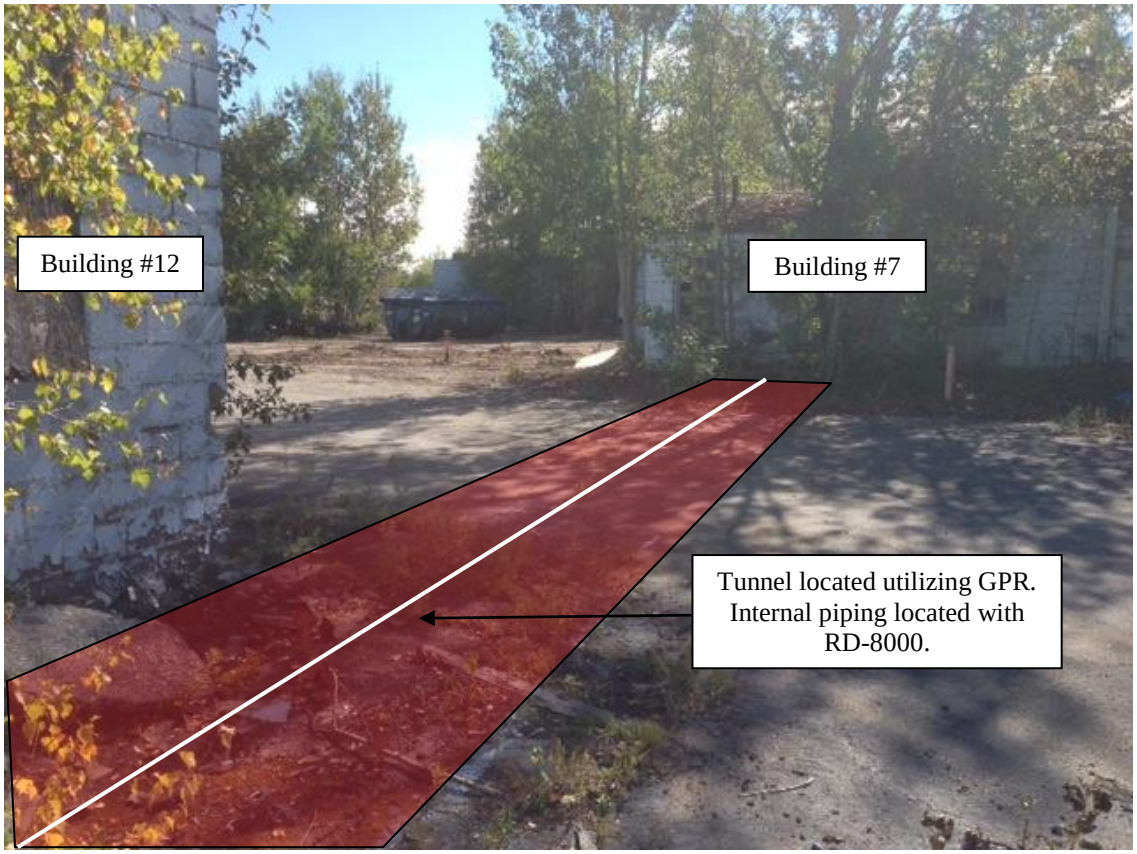


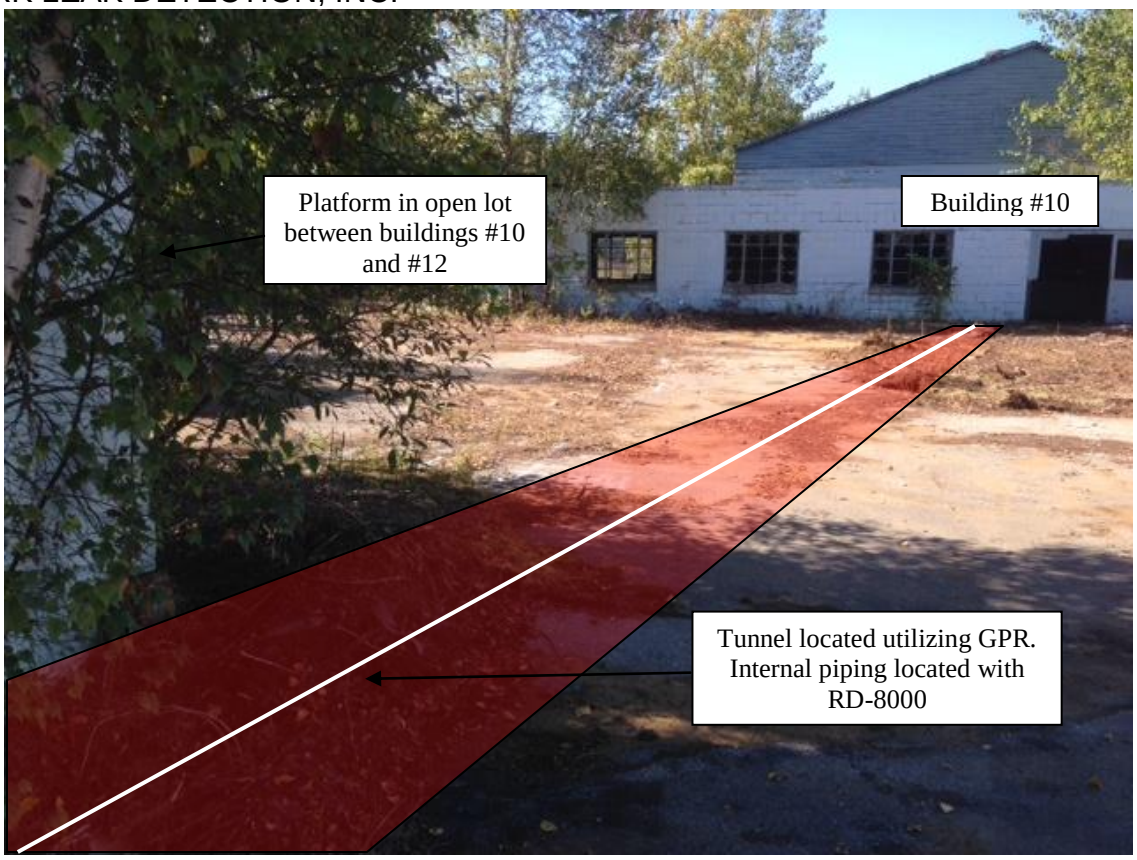
NOTES: Proposed boring locations scanned with GPR and passive power/radio to clear for anomalies/unknown utilities. Tunnel located utilizing GPR. Rodder inserted through several pipes located within tunnel to look for presence of petroleum-like product and possible leak locations. Results did not yield any active leaks. The presence of suspected petroleum-like product and odor was was confirmed within a 1.5" DIP located within a vault in building #10 (see photos on last page of this report for further details).

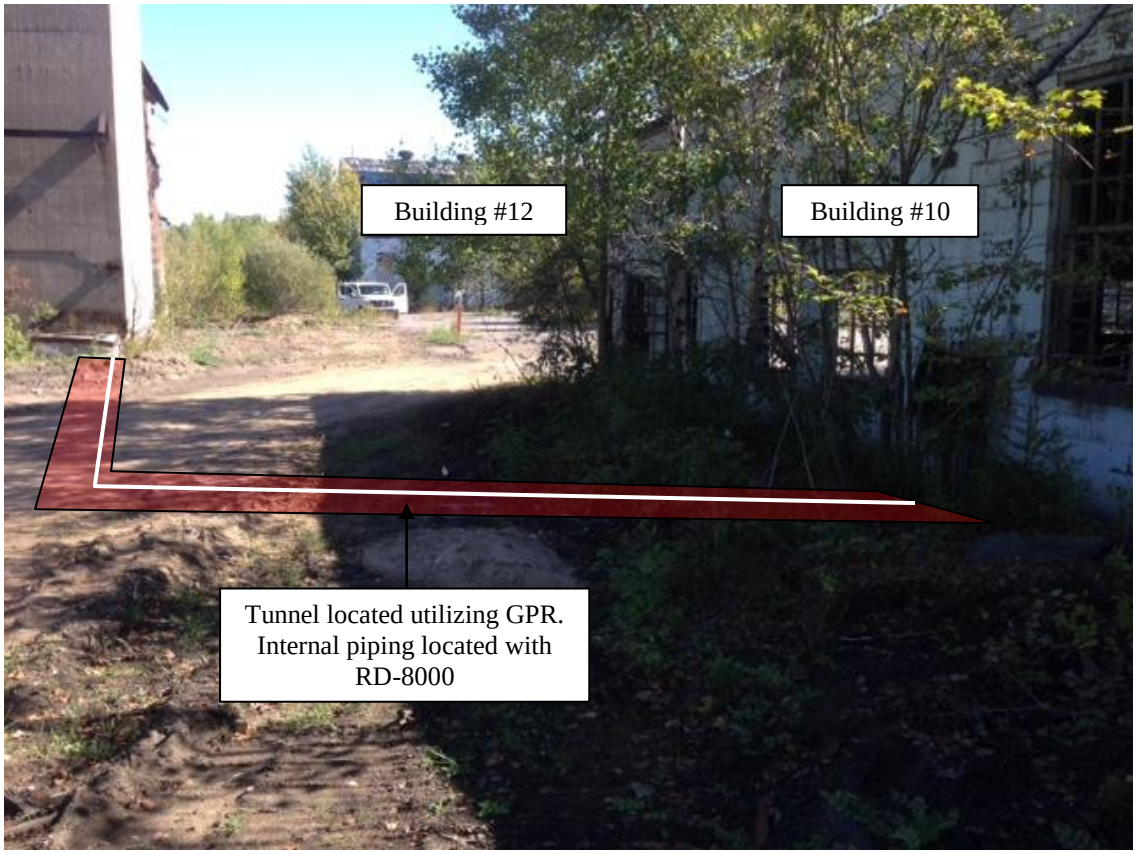

Building #6
Building #7
Tunnel located utilizing GPR. Internal piping located with RD-8000

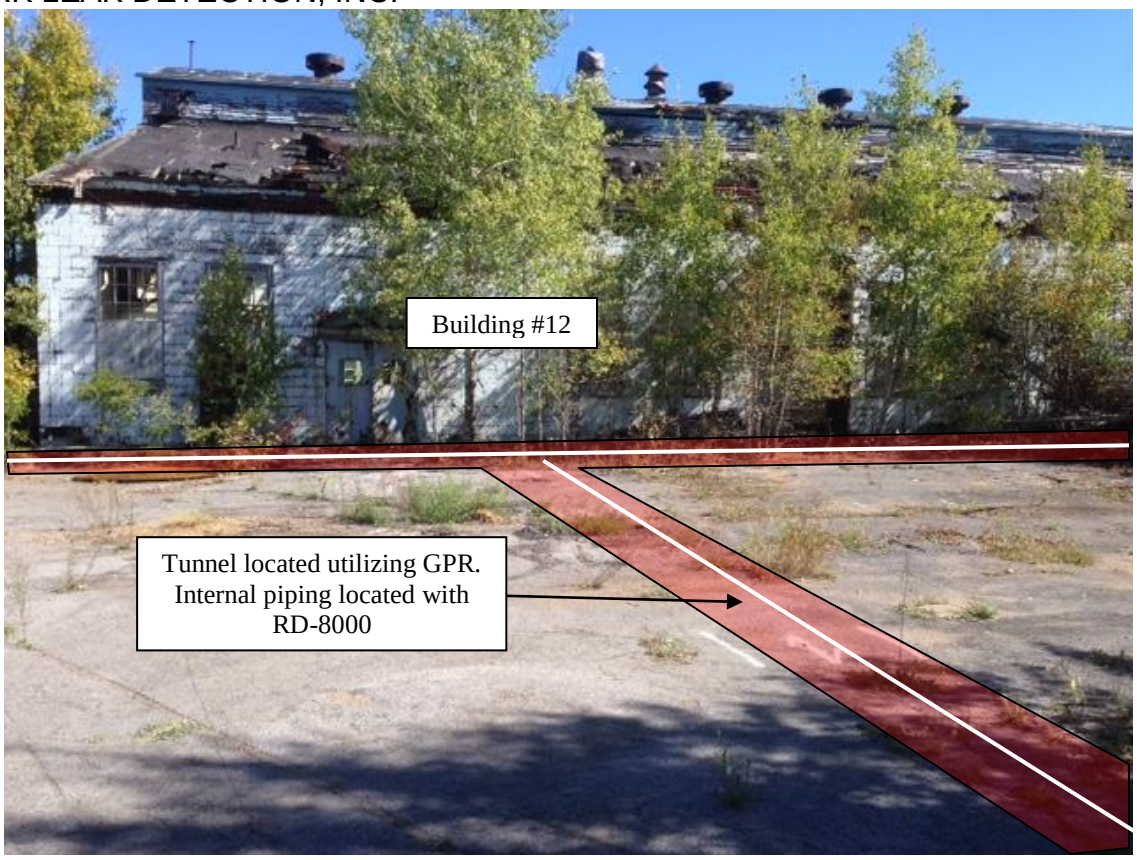

Building #5
Building #2
Tunnel located utilizing GPR. Internal piping located with RD-8000
Building #3

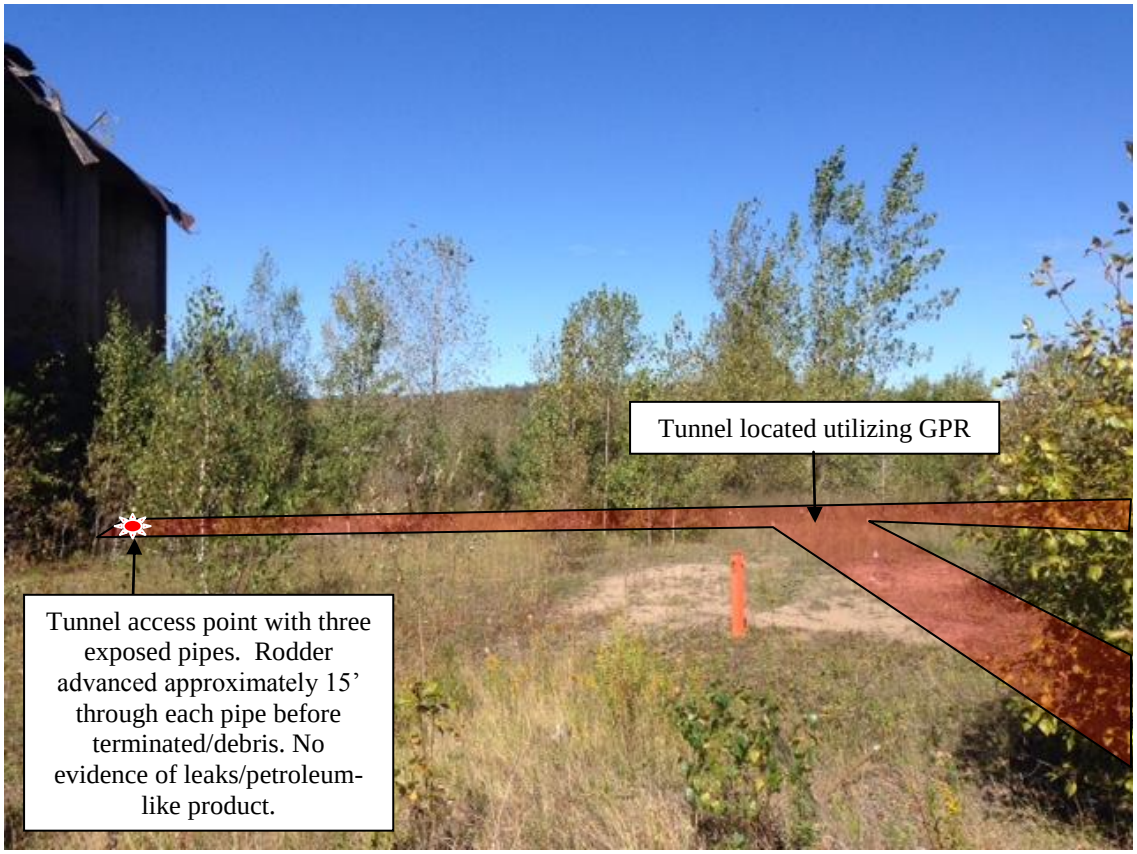

Bldg. #7
Tunnel access point within building with five exposed pipes. Rodder advanced approximately 150-200' through each pipe in both directions before terminated/debris. No evidence of leaks/petroleum-like product.
Building #5
Building #3
Tunnel located utilizing GPR. Internal piping located with RD-8000

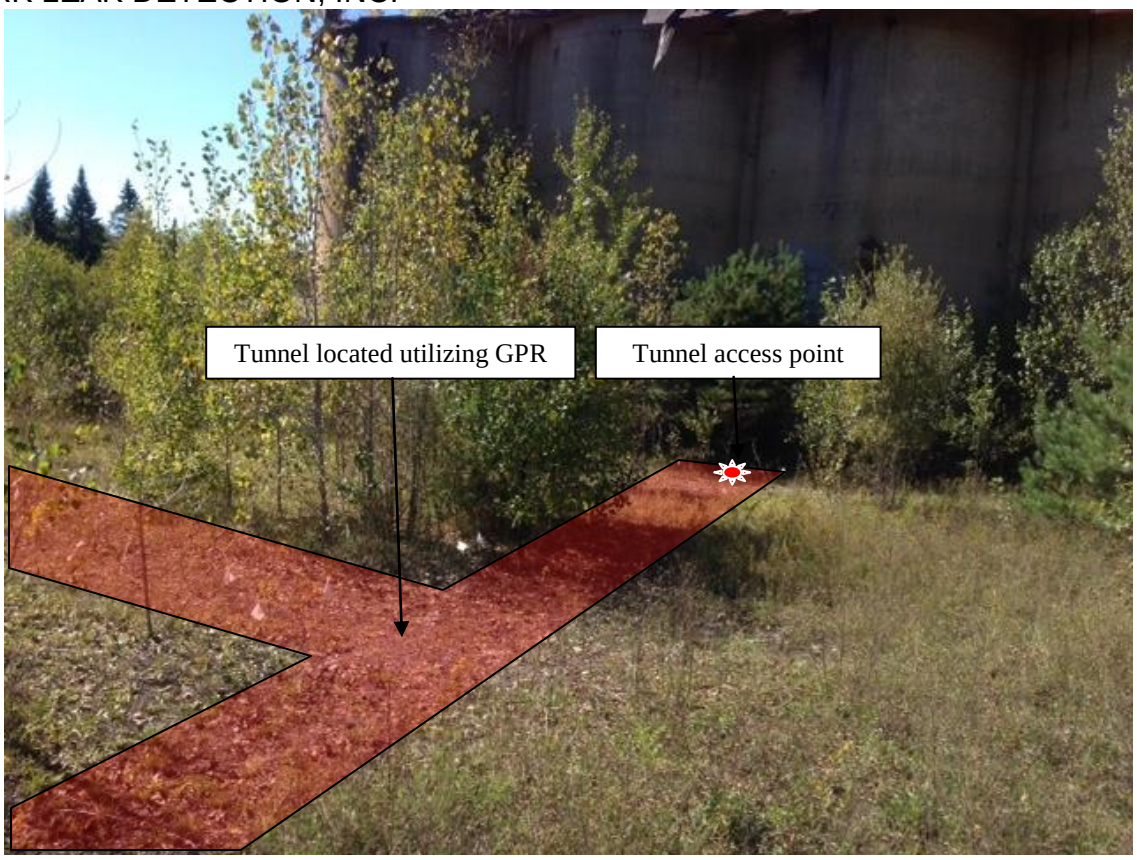

Building #12
Building #7
Tunnel located utilizing GPR. Internal piping located with RD-8000.


Platform in open lot between buildings #10 and #12
Building #10
Tunnel located utilizing GPR. Internal piping located with RD-8000


Building #12
Building #10
Tunnel located utilizing GPR. Internal piping located with RD-8000


Building #12
Tunnel located utilizing GPR. Internal piping located with RD-8000


Tunnel located utilizing GPR
Tunnel access point with three exposed pipes. Rodder advanced approximately 15' through each pipe before terminated/debris. No evidence of leaks/petroleum-like product.


Tunnel located utilizing GPR
Tunnel access point


Tunnel located utilizing GPR


1.5” DIP located inside vault at building #10. Technician noticed black, petroleum-like material sitting in end of pipe. Advanced rodder approximately 1.5’ before pipe terminated/debris. Upon removal, rodder showed evidence of petroleum-like product/odor.


Petroleum-like product/odor found on rodder after removing from 1.5” DIP located within vault at building #10.

Notes/Testing Results: Preliminary investigation did not show any evidence of historic or current leaks within tunnel.

Further Investigation

- **Cut piping at vaults within buildings to allow for video and rodder inspection.**
- **Test pit locations along tunnel to expose piping and further investigate potential leaks/leak locations and any sign of staining.**

APPENDIX I

2015 SUPPLEMENTAL INVESTIGATION PHOTO LOG

Tunnel Markings at J&L Site

October 2015

Note: Test pit photos begin on page 15.



Tunnel marking from Bldg 10 east towards Bldg 12



Tunnel marking between Bldg 10 and silos



Tunnel marking for west tunnel at Bldg 9, indicating 2’ 6” depth



Tunnel marking between Bldg 10 & 12 with diagonal line towards silos (Silos at right)

Tunnel Markings at J&L Site

October 2015



Tunnel access Bldg. 6



Tunnel marking facing Bldg. 6; pipe 4' depth



Tunnel marking facing Bldg. 7 east well; pipe 3' 6" depth



Tunnel in Bldg. 7 facing north

Tunnel Markings at J&L Site

October 2015



Tunnel in Bldg. 7 facing south



**Tunnel marking facing Bldg 5;
1' depth to top of vault**



Tunnel marking at Bldg. 3 east wall



**Tunnel marking facing Bldg. 2;
Bldg. 3 at extreme left**

Tunnel Markings at J&L Site

October 2015



Tunnel access inside Bldg. 2



Tunnel marking facing Bldg. 7 north wall (from near Bldg. 12); 1' depth to top of vault



Tunnel marking facing Bldg. 12 (from Bldg. 7); 1' depth to top of vault



Tunnel marking along west wall of Bldg. 12

Tunnel Markings at J&L Site

October 2015



Tunnel marking facing Bldg. 12 west wall (from Bldg. 10)



Tunnel marking facing Bldg. 10 east wall (from Bldg. 12)



Opening to lower level / tunnel at east side of silos (west of Bldg. 12)



Looking down into opening / tunnel at SW corner of silos (east of Bldg. 12)

Tunnel Markings at J&L Site

October 2015



Tunnel markings from SW corner of silos towards Bldg. 10 (at left)



Tunnel markings into north wall of Bldg. 10



Tunnel access in Bldg. 10, northwest wall



Tunnel access in Bldg. 10, northwest wall

Tunnel Markings at J&L Site

October 2015



Tunnel access in Bldg. 10, south wall



Tunnel access in Bldg. 10, south wall



Tunnel marking at corner, north of Bldg. 9 (Bldg. 9 in background)



Tunnel marking at abandoned east foundation, north of Bldg. 9

Tunnel Markings at J&L Site

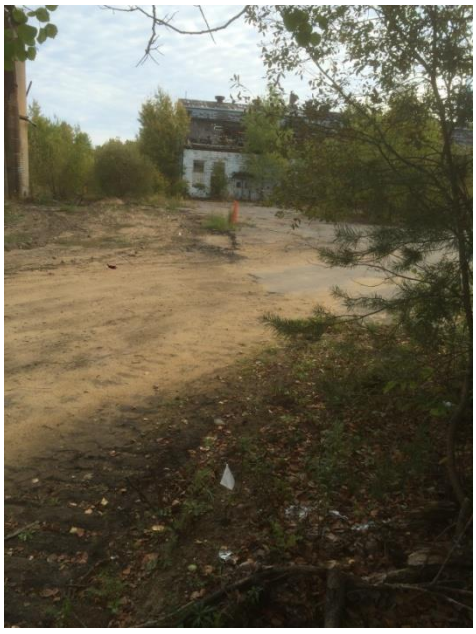
October 2015



Tunnel marking at abandoned west foundation, north of Bldg. 9



Tunnel marking from west foundation, north of Bldg. 9 (blue in background is Bldg. 9)



Flags mark buried line between Bldgs. 12 and 10 (Bldg. 12 in background)



Tunnel marking facing north (NW corner of Bldg. 12 at right)

Tunnel Markings at J&L Site

October 2015



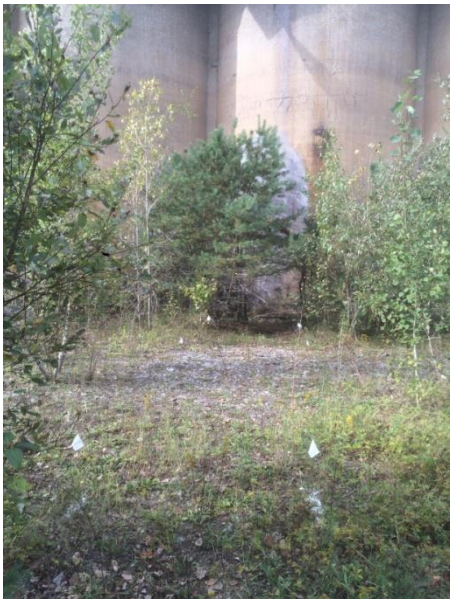
Tunnel marking along west wall of Bldg. 12 (facing south)



Tunnel marking north of Bldg. 12 (facing north)



Tunnel marking at T; Bldg. 12 to the left; silos are to the right



Tunnel marking at silos, facing west

Tunnel Markings at J&L Site

October 2015



Tunnel access east of silos



Tunnel access east of silos



Tunnel access east of silos



Tunnel access east of silos

Tunnel Markings at J&L Site

October 2015



Tunnel marking along paved area, facing east, behind Bldg. 10



Tunnel marking along paved area, facing east, behind Bldg. 10



Tunnel marking under concrete supports along paved area. Pipe 1’ below surface



Tunnel marking at concrete supports along paved area, facing east

Tunnel Markings at J&L Site

October 2015



Tunnel marking at concrete supports along paved area, facing west



Tunnel marking facing test pit area (facing west)



Tunnel marking facing test pit area (facing east)



Tunnel marking at abandoned foundation, north of concrete slab

Tunnel Markings at J&L Site

October 2015



Opening into tunnel at old foundation, near test pit



Opening into tunnel at old foundation, near test pit



Tunnel marking near abandoned foundation, facing west



Tunnel marking near terminus at pump house

Tunnel Markings at J&L Site

October 2015



Tunnel marking at corner leading into pump house, facing west



Tunnel marking at corner, with pump house in background, facing south



Tunnel access inside pump house



Tunnel access inside pump house

Test Pits and Bldg. 7 Drain at J&L Site

October 2015



Test pit opened on north side of Rod & Ball Mill foundation



Test pit opened on north side of Rod & Ball Mill foundation



Test pit opened on north side of Rod & Ball Mill foundation



Excavator at test pit, north side of Rod & Ball Mill foundation

Test Pits and Bldg. 7 Drain at J&L Site

October 2015



Test pit at north side of Rod & Ball Mill foundation



Test pit at north side of Rod & Ball Mill foundation after being filled in



Drain access in Bldg. 7

Test Pits and Bldg. 7 Drain at J&L Site

October 2015