SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT (SI/RAR)

FOR THE

FORMER WELCH FOODS SITE
(NYSDEC SITE NO. B00147-9)
54 WEST MAIN STREET
VILLAGE OF BROCTON
CHAUTAUQUA COUNTY, NEW YORK

PREPARED FOR:

CHAUTAUQUA COUNTY DEPARTMENT OF PUBLIC FACILITIES
454 North Work Street
Falconer, New York 14733

April 2002

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FORMER WELCH FOODS SITE

FINAL SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT

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EXECUTIVE SUMMARY

Chautauqua County entered into a State Assistance Contract with the New York State Department of Environmental Conservation (NYSDEC) to perform a Site Investigation/Remedial Alternatives Report (SI/RAR) for the former Welch Foods, Inc. site located at 54 West Main Street in the Village of Brocton, Chautauqua County, New York. The SI/RAR was undertaken pursuant to the Environmental Restoration, or Brownfield Program, component of Title 5 of the Clean Water/Clean Air Bond Act of 1996, which is administered by the NYSDEC. This Final SI/RAR has been prepared by TVGA Engineering, Surveying, P.C. (TVGA) on behalf of Chautauqua County, and incorporates NYSDEC comments on the Draft SI/RAR.

This document consists of two main components, a Site Investigation Report (SIR) and a Remedial Alternatives Report (RAR). The SIR documents the methods used to investigate the site; describes the physical characteristics of the site; defines the nature and extent of contamination encountered in or on the on-site soil/fill, groundwater, storm sewer system, and building surfaces; assesses the contamination with respect to fate, transport and exposure; and evaluates potential risks to human health and the environment associated with current site conditions and potential future use scenarios. The RAR identifies appropriate Remedial Action Objectives (RAOs) for affected media at the site; presents the screening and detailed analysis of remedial alternatives; and designates the most suitable remedy available to satisfy the RAOs.

The project site is located at the southwest corner of the intersection of West Main Street and Pearl Street in the Village of Brocton, New York, and occupies approximately 2.4 acres. The project site contains the abandoned portion of an industrial building that amounts to approximately 63,000 square feet (SF) and is in a severely deteriorated state, with several major roof sections having collapsed. Chautauqua County acquired the parcel that contains the project site via tax foreclosure in August 2000.

The project site and adjoining properties to the south and west were utilized as a wine and grape juice processing and storage facility, which contained industrial components and stored and utilized petroleum products and various chemicals, from as early as 1859 until its closure in the mid-1980's. During that time, the site was occupied by the Lake Shore Wine Company, the Brocton Products Company, Inc., the National Grape Cooperative, and, most recently, Welch Foods, Inc. Following the closure of the facility by Welch Foods, Inc. in the mid-1980s, the site was purchased by Jack Dean doing business as Chautauqua Forest Products. Inspections of the subject site by the NYSDEC revealed that the property was being used to illegally store hazardous waste generated by another facility. A subsequent Summary Order was issued requiring the removal of 19 drums containing hazardous and petroleum wastes consisting of ignitable and corrosive liquids, benzene, spent solvents, waste PCB fluid and solids, waste batteries, and mercury waste. Since that time the project site has been largely vacant, although a portion of the facility that is situated on an adjacent parcel to the south has continued to be utilized for fruit juice storage.

The scope of the SI program completed was consistent with that outlined in the NYSDEC-approved SI/RAR Work Plan (October 2000) developed for the project site. Potential on-site soil, fill and groundwater contamination was investigated as part of the subsurface investigation program developed for the site. This program involved the drilling of test borings, excavation of test pits, and the installation

of groundwater monitoring wells to enable the collection and chemical analysis of samples from these media.

Stormwater and sediment occurring within structures associated with the on-site drainage control and storm sewer system were sampled and chemically analyzed to determine the type and magnitude of contamination present within this system. An off-site sediment sample from the unnamed tributary of Slippery Rock Creek near the outfall of the storm sewer that is believed to receive discharges from the project site was also collected and analyzed.

The investigation of building surfaces and components included potential wastes or contamination present within the former wastewater collection and conveyance system, PCB levels on building surfaces within the former transformer room, and ACMs used in the construction of the building.

Analytical data resulting from the SI indicated the absence of facility-derived groundwater contamination. Contaminated fill exists along the southern margin of the site, in the vicinity of the former rail siding; and contaminated sediment and sludge was detected in on-site drains and sumps. Contamination was not detected in storm water exiting the site via the storm sewer that extends beneath the building, nor were abnormally high levels of contamination detected in off-site sediment samples collected from an unnamed tributary to Slippery Rock Creek near the outfall of this storm sewer.

Contaminants detected in the fill material at concentrations that exceeded NYSDEC recommended cleanup objectives consisted of polycyclic aromatic hydrocarbons (PAHs). The presence of these compounds is likely reflective of the composition of the fill material and/or the result of incidental petroleum leaks from rail cars formerly used in this area. Based upon the properties of the PAHs detected and the physical site conditions, these compounds are not expected to impact groundwater quality or migrate significantly in the subsurface. Furthermore, the presence of these compounds is not interpreted to represent a significant human exposure risk under current and future use scenarios for the property because no complete exposure pathways were identified. Although the potential for human exposure during construction activities involving the disturbance of the contaminated fill has been identified, the risk of exposure could be effectively minimized through the use of appropriate personal protective equipment and dust suppression techniques.

Contaminants detected in the sediment and sludge samples at concentrations that exceeded NYSDEC recommended cleanup objectives include PAHs, PCBs, and several metals, including mercury. The PAHs and PCBs likely resulted from poor housekeeping practices, spills and/or releases of new and used petroleum products and transformer fluid to the facility's internal drain system. The metals are likely associated with particulates (e.g., shavings, grindings, etc.) generated during former on-site maintenance and machining activities that were flushed or swept into the drainage system. A likely source of the elevated mercury levels detected in the sediments is mercury released from thermometers and regulators used and maintained in association with the refrigeration system at the former facility. These contaminants have the potential to be released to the ground surface in a publicly accessible area of the site. Therefore, while the contaminated sediments remain on-site, the potential for the exposure of utility workers and the public exists under the current and future use scenarios. Potential human exposure risks were also identified under the demolition/construction scenario, but can likely be effectively minimized through the use of appropriate personal protective equipment and dust suppression techniques.

The potential for the transport of the contaminants detected in the on-site sediments to the unnamed tributary of Slippery Rock Creek via storm water entering the on-site drainage structures was also identified. However, facility derived contaminants were not detected in sediment samples collected from this receiving water course.

The results of the pre-demolition survey of the building for asbestos-containing materials (ACMs) indicated the presence of significant quantities of thermal system insulation (TSI), roofing materials, and miscellaneous materials (e.g., floor tiles, mastics, etc.) that contains asbestos. Much of the TSI is friable and in poor condition. This has lead to the commingling of TSI residue with debris on the floor in many areas of the building, particularly the boiler rooms, thereby creating asbestos-containing debris. While the non-friable ACMs do not pose a significant health threat, the deteriorated condition of the building coupled with the presence of damaged friable asbestos presents the possibility of asbestos fiber releases via wind currents to the commercial and residential area surrounding the site. As such, members of the public living and working in the site vicinity are at risk of exposure to asbestos fibers.

The RAR presents the RAOs for affected media identifies and comparatively analyzes a range of remedial alternatives capable of satisfying these RAOs, and subsequently provides a recommendation for remedy selection. The RAOs are based upon the findings of the SI and the anticipated future use of the project site for commercial and/or light manufacturing purposes. The RAOs identified for each of the contaminated-media encountered on the project site, as well as General Response Actions (GRAs) are as follows:

- The RAO for the fill material is to prevent exposure of the public and future site workers to these contaminants via dermal contact, incidental ingestion or inhalation of particulates. No significant risks to groundwater or other environmental resources were identified in connection with the contaminated fill. GRAs available to satisfy the RAO identified for contaminated fill include no action, institutional and access controls, containment, and excavation and disposal.

- The RAO for the contaminated sediment and sludge is to prevent dermal contact with, incidental ingestion of, or inhalation of particulates originating from, the contaminated sediment. The RAO for environmental protection is the prevention of the release of contaminated sediments from the drainage system that could result in the degradation of surface water quality below ambient water quality standards. GRAs for the contaminated sediment/sludge include no action, institutional and access controls, containment, and partial or complete removal and disposal.

- Damaged, friable ACMs constitute the primary concern relative to building materials and surfaces. The RAO for protection of human health relative to ACMs is the prevention of the inhalation or incidental ingestion of asbestos fibers. No Action, institutional and access controls, and partial or complete abatement have been identified as the GRAs for asbestos-containing building materials.

- The potential occurrence of PCBs within electrical equipment installed in the building, as well as the presence of mercury in switches within the building are the primary concern relating to equipment. The RAO for protection of human health and the environment is the prevention of the release of

contaminants from this equipment. GRAs for contaminated equipment present within the building include no action, institutional and access controls, as well as removal and recycling/disposal.

Assembling the GRAs into a series of site-wide remedial action alternatives provides the basis for the alternatives.

Alternative A represents the "No Action Alternative", wherein the site would remain in its current state and periodic environmental monitoring and maintenance of the current access controls would be performed. No remedial activities, institutional or additional access controls would be implemented under this alternative. This alternative does not satisfy the RAOs for the current use scenario, nor is it supportive of the redevelopment of the site for commercial and/or light manufacturing use.

Alternative B combines institutional and access controls with environmental monitoring and GRAs for the sediment/sludge. This alternative includes the limited removal and disposal of material in the exterior sump at the corner of West Main Street and Pearl Street, while the GRA for asbestos consists of the limited abatement of friable ACMs in deteriorated portions of the building (selective demolition required). While this alternative satisfies the RAOs for the current use scenario, it represents the minimal approach to addressing site contamination and is not supportive of the redevelopment of the site for commercial and/or light manufacturing use.

Alternative C combines institutional and access controls with environmental monitoring and the following GRAs for the affected media: fill containment through placement of soil cover in unpaved areas; limited removal and disposal of sediment/sludge coupled with closure of drainage structures; limited abatement of friable ACMs in deteriorated portions of the building (selective demolition required); and, equipment removal, recycling and disposal. Under this alternative, the building would remain, but contaminated media, with the exception of some asbestos, would be contained and/or removed. As such, additional asbestos abatement and building demolition would be required prior to redevelopment of the site.

Alternative D combines the following GRAs: fill containment by capping with asphalt or concrete; removal and disposal of the on-site drainage control system and contents; abatement of ACM; and, equipment removal, recycling and disposal. The removal and disposal of the drainage control structures and associated piping network as a component of this alternative would necessitate the demolition of the building, which in turn would require asbestos abatement. Therefore, the site would be suitable for immediate redevelopment following the completion of this remedial alternative.

The GRAs assembled for Alternative E include: excavation and disposal of the contaminated fill; removal and disposal of the on-site drainage control system and contents; abatement of ACM; and equipment removal, recycling and disposal. This alternative is the most comprehensive, involving the removal and disposal of all contaminated media from the site, and would render the site immediately suitable for redevelopment.

The remedial alternatives outlined above were individually and comparatively evaluated with respect to the following six criteria as defined in 6 NYCRR 375:

- Overall protection of human health and the environment
- Compliance with SCGs
- Short-term effectiveness
- Long-term effectiveness
- Reduction of toxicity, mobility and volume
- Feasibility

Upon completion of the analysis, alternatives D and E have been identified as the most effective alternatives. These alternatives rated significantly higher than Alternatives A, B and C. Both Alternatives D and E would fully satisfy the RAOs developed for the site, would have high degrees of short and long term effectiveness, would render the site suitable for immediate redevelopment, and received equivalent ratings. Alternative E received a slightly higher rating than Alternative D for the criterion relating to reduction of toxicity, mobility and volume because all contaminated media would be removed under Alternative E, while the contaminated fill would remain contained on-site under Alternative D. However, the reverse was true for the feasibility criterion because Alternative D has a lower cost than Alternative E. Based upon this relatively higher degree of cost effectiveness, Alternative D is recommended for implementation.

This proposed remedy will be summarized in a Proposed Remedial Action Plan (PRAP) to be prepared by the NYSDEC for public review and comment.

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APRIL 2002

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FINAL SITE INVESTIGATION REPORT

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FIGURE NO.

TABLE NO.

ATTACHMENT

A USGS Quad Map Showing Outfall Location (6 NYCRR 839)

APPENDIX

A Test Boring and Test Pit Logs
B Monitoring Well Installation Reports
C Well Development/Sampling Logs
D FLI Analytical Laboratory Report
E Chain of Custody Forms
F Data Validation Report
G Pre-Demolition Asbestos Survey Report

1.0 INTRODUCTION

1.1 Purpose

Chautauqua County entered into a State Assistance Contract with the New York State Department of Environmental Conservation (NYSDEC) to complete a Site Investigation/Remedial Alternatives Report (SI/RAR) for the former Welch Foods, Inc. site located at 54 West Main Street in the Village of Brocton, Chautauqua County, New York (Figure 1). The SI/RAR was completed pursuant to the Environmental Restoration, or Brownfield Program, component of Title 5 of the Clean Water/Clean Air Bond Act of 1996, which is administered by the NYSDEC. The purpose of the SI/RAR program was to characterize the nature and extent of contamination occurring on, and emanating from, the project site, and to develop and evaluate remedial alternatives. This information is essential to the County's plans for redevelopment of the property.

TVGA Engineering, Surveying, P.C. (TVGA) has prepared this report on behalf of Chautauqua County to provide a detailed description of the site investigation phase of the SI/RAR program implemented at the former Welch Foods site. In addition to summarizing and documenting the methods used to investigate the site, this *Final Site Investigation Report* describes the physical characteristics of the site; defines the nature and extent of contamination encountered; assesses the contamination with respect to fate, transport and exposure; and identifies appropriate remedial action objectives (RAOs). The screening and detailed analysis of remedial alternatives, and the identification of the most suitable remedy available to satisfy the RAOs is discussed in the Remedial Alternatives Report (RAR).

1.2 Site Background

1.2.1 Site Description

The project site is located at the southwest corner of the intersection of West Main Street and Pearl Street in the Village of Brocton, New York, and occupies approximately 2.4 ± acres. The project site contains the abandoned portion of an industrial building that amounts to approximately 63,000 square feet (SF) and is in a severely deteriorated state, with several major roof sections having collapsed. The majority of the former process equipment has been removed from the site, however, numerous large volume (40,000-150,000 gallon) concrete and steel tanks remain inside the building. The external areas of the project site consist primarily of aged asphalt parking areas, but also include remnants of a landscaped area located along the northwestern corner of the property (see Figure 2).

The project site and adjoining properties to the south and west were utilized as a wine and grape juice processing and storage facility, which contained industrial components and stored and utilized petroleum products and various chemicals, from as early as 1859 until its closure in the mid-1980's. Since that time the project site has been largely vacant, although a portion of the facility that is situated on an adjacent parcel to the south has continued to be utilized for fruit juice storage.

Chautauqua County acquired the parcel that contains the project site via tax foreclosure in August 2000. The location and configuration of the tax parcel containing the project site is depicted on Figure 3. The project site consists of the portion of Parcel 111-2-19.1 that is situated to the north of Parcel 111-2-12. The portion of Parcel 111-2-19.1 that is situated to the south of Parcel 111-2-12, however, has been excluded from the subject site and is to be subdivided from the northern portion to facilitate the expansion of an adjacent manufacturing concern.

1.2.2 Physical Setting

1.2.2.1 Physiography

The project site is located in the Erie-Ontario Plain physiographic province. This province is characterized by a series of low relief plains separated by higher relief escarpments. The plains are covered by sheets of glacial till and lacustrine deposits consisting primarily of silt and clay.

The project site is located on a linear topographic feature known as a beach ridge. This feature was created approximately 12,000 years ago and is the remains of an ancient long-standing shoreline that had developed along Lake Erie. The lake level has since receded, leaving the sandy beach ridge deposits in an elevated position above the current shoreline.

The topography of the project site is flat to gently sloping to the north at grades ranging from 0% to 5%. The project site has been modified as a result of the industrial and residential development in the area. The site is graded to drain to on-site catch basins and the municipal storm sewer system along the surrounding roadways. The project site has an elevation that ranges between 744 and 760 feet AMSL based upon a topographic survey of the area.

1.2.2.2 Geologic Setting

Soils

Based upon a review of the *Soil Survey of Chautauqua County, New York*, the predominant soil unit occurring on the subject property is Chenango gravelly loam, 3-8% slopes. The Chenango soils consist of very deep, well drained and somewhat excessively drained, nearly level to steep soils on glacial outwash plains. These soils formed on outwash terraces in the larger valleys and in positions on alluvial fans where post-glacial side streams entered the major valleys. Slopes range from 0 to 40 percent.

Overburden

Based upon a review of the *Surficial Geologic Map of New York – Niagara Sheet* (1988), the overburden on-site consists of lacustrine beach deposits. These deposits are characterized as generally well sorted sand and gravel which is stratified, permeable and well drained. These deposits form the beach ridge that runs across the county in a northeast-southwest orientation paralleling the current Lake Erie shoreline. The sand and gravel beaches that formed along the shores of ancient glacial lakes produce the well drained Chenango soils, which are present in the study area.

Bedrock

The geologic history of Chautauqua County dates back 300 million years to the Upper Devonian period. Bedrock units at the project site consist of members of the Canadaway Group according to the *Geologic Map of New York – Niagara Sheet* (1970). The Canadaway group is a succession of black and gray shales and siltstones that average about 1,050 feet in thickness in Chautauqua County. Both the Westfield Shale and the underlying Laona Siltstone members of the Canadaway Group are mapped at the project site.

1.2.2.3 Hydrogeology

Stormwater

Stormwater runoff occurring on the project site drains via overland flow to on-site catch basins and the storm sewer inlets along Main and Pearl Streets. A significant portion of the site is covered with the former juice processing facility. Precipitation that falls on the roof of the facility is collected into roof drains that flow to sumps and catch basins located inside of the facility. An 18-inch diameter storm sewer constructed from vitrified tile pipe runs under the facility and discharges into an unnamed tributary to Slippery Rock Creek in a residential area northeast of the project site. The location of the stormwater outfall is depicted on a USGS Quadrangle Map obtained from the NYSDEC (6 NYCRR 839) as Attachment A.

A manhole located on the east side of the facility is part of the stormwater drainage system. There are also a number of sumps, catch basins and drains within the structure. The system of sumps, catch basins, drains and sewers is largely concealed by the concrete floor slabs and is not well understood. Historical information indicates that this storm sewer was utilized for the discharge of untreated and treated process wastewater during operation of the Former Welch Foods plant. The construction records for the Village of Brocton wastewater collection project note the existence an 18-inch vitrified clay stormwater pipe on Pearl and Main Streets. The storm sewer was crossed at

two locations during construction of the sanitary sewer in 1984. There are no known records documenting the construction of the storm sewer. The Village of Brocton does not operate or maintain this storm sewer.

Surface Water Bodies

The surface water drainage in Chautauqua County is separated into two systems; the Allegheny-Ohio-Mississippi River system and the Lake Erie-St. Lawrence system. The project site is located in the Lake Erie-St. Lawrence River system, and locally within the drainage area of Slippery Rock Creek. Slippery Rock Creek, located approximately 0.5-miles to the northeast of the project site, flows in a northwesterly direction and discharges into Lake Erie at a point approximately 1.75 miles to the north of the project site (Attachment A). Slippery Rock Creek is a Class C stream according to 6 NYCRR 839, as is the unnamed tributary (E-50-2) into which the above referenced storm sewer discharges. The best usage of Class C waters is fishing, and the water quality is to be suitable for primary and secondary contact recreation.

The Village of Brocton public water system obtains its water supply from the headwaters of Slippery Rock Creek where an open reservoir collects and stores raw water from several small tributaries. The raw water is chlorinated before entering the transmission line to the Village. There are no pumps in the system; all distribution is by gravity.

Groundwater

Groundwater occurs in the overburden and bedrock in Chautauqua County. Highly productive valley fill aquifers composed of thick sequences of outwash sand and gravel deposits serve as public water supplies in the central and southern regions of the County. Conversely, the fine-grained overburden found in the western portion of the County generally possesses low permeability, which often results in a seasonal high water table, and does not yield large quantities of water. As a result, the public water supply systems of the communities occurring along the western Lake Erie shoreline, such as the Villages of Fredonia, Brocton, Westfield and Ripley, tap surface water sources. Productive water bearing zones in bedrock underlying this region, however, are commonly tapped by private potable water supply wells.

The primary porosity of the fine-grained shale bedrock in western Chautauqua County is generally very low. Groundwater occurring in the shale is primarily found in secondary porosity features such as bedding planes, vertical joints and fractures. An important feature of the shale is a discontinuous zone of fracturing that occurs at the top of the bedrock surface and ranges from shallow tension cracks to highly weathered bedrock approaching ten feet in thickness. This fracture zone often functions as a discrete water-bearing unit that can be partially

confined by overlying fine-grained glacial deposits and separated from deeper water-bearing bedding planes by relatively impermeable sequences of shale and silt stone. Where the fracture zone is overlain by more permeable surficial deposits, it is often in communication with these deposits and may function together with the surficial deposits as one hydrostratigraphic unit.

Groundwater in both overburden and bedrock moves from areas of higher head (recharge areas) to areas of lower head (discharge areas). In the project vicinity, the primary area of groundwater recharge is likely the more permeable beach ridge deposit upon which the site is located. Recharge to the beach ridge deposit primarily occurs from precipitation that infiltrates downward to the water table. Overburden groundwater in the project vicinity likely discharges to Slippery Rock Creek and tributaries thereof, to the ground surface at the base of the northern margin of the beach ridge, and to the underlying bedrock. Shallow groundwater flow direction on the subject property, inferred from topographic mapping of the area, is generally to the northeast toward the discharge areas represented by Slippery Rock Creek and Lake Erie. Northeasterly groundwater flow was confirmed during the subsurface investigation of the project site, as discussed in Section 3.2. Some local variations in groundwater flow direction, however, may occur due to utility lines and other subsurface features.

Groundwater in the bedrock moves through a network of joints and bedding planes to discharge areas. In the project area, groundwater discharge areas likely include Slippery Rock Creek, the channel of which has been eroded below the top of the bedrock surface, as well as Lake Erie.

1.2.2.4 Demography

According to the 2000 U.S. Census Bureau data, 139,750 people reside in Chautauqua County. Census Bureau data also indicate that the 2000 population of the Village of Brocton was 1,547. This population is concentrated to the north of the project site.

1.2.2.5 Land Use

The subject property is located in an area zoned for industrial and residential uses. Land use in the site vicinity is characterized by a mixture of commercial, light industrial and residential uses. The subject property is bounded to the north by West Main Street (NYS Route 20); to the east by Pearl Street; to the south by a portion of the former facility that is currently utilized for the storage of fruit juice as well as abandoned portions of the former facility; and to the west by a property used for the manufacture of material handling equipment. Residences are situated to the east and south of the project site, along Pearl and Harmon Streets, respectively. Mixed commercial, residential and light industrial uses occur along West Main Street to the north of the project site. The property to the

west, owned by Descon EDM, Inc., was formerly part of the grape processing plant property, and housed the wastewater treatment plant and crate shed. This portion of the property was subdivided and sold to Descon in 1990.

1.2.2.6 Meteorology

The climate of the study area is predominantly continental. The average annual precipitation is approximately 39 inches, the average annual temperature is about 48 degrees Fahrenheit, with the lowest temperatures in January and February and the highest in July. The prevailing wind direction is southwest.

1.2.3 Site History

The project site was initially developed with the construction of a wine cellar in 1859, and continued to be utilized for the processing and storage of wine and grape juice until the mid-1980s. During that time, the site was occupied by the Lake Shore Wine Company, the Brocton Products Company, Inc., the National Grape Cooperative, and, most recently, Welch Foods, Inc.

Historical facility plans indicate that the main building contained a machine shop, compressor room, transformer room, and several oil-fired boilers, indicating the potential for the on-site storage and use of solvents, petroleum products and PCB-containing electrical equipment (see Figure 4). The boilers were fueled via a 25,000-gallon underground storage tank (UST), which was reportedly removed in conjunction with the subdivision and sale of the western portion of the facility in the early 1990s. Residual petroleum contamination was identified on the neighboring property to the west in the vicinity of the former UST, and may extend onto the subject site. No assessment of the soil underlying the piping that extends from the UST to the boiler room, crossing the subject site in the process, was performed during the UST removal.

The juice cooling system reportedly utilized ammonia in the system. The facility reportedly utilized caustic solutions to cleanse storage tanks and process equipment, as well as chlorine solution for sanitation. Process wastewater from the on-site facility was discharged directly to the unnamed tributary of Slippery Rock Creek located to the northeast of the property prior to the construction of an on-site wastewater treatment plant in the 1970s. Even after construction of the on-site treatment plant, several instances of piping failures resulted in the direct discharge of wastewater to the ground surface on-site. Numerous floor drains are present within the main building, however, the routing and points of discharge of these drains have not been delineated.

Following the closure of the facility by Welch Foods, Inc. in the mid-1980s, the site was purchased by Jack Dean doing business as Chautauqua Forest Products. Since that time, the site has been largely vacant, although a portion of the facility has continued to be utilized sporadically for fruit juice storage. Inspections of the subject site by the Environmental Division of the Chautauqua County Department of Health and the New

York State Department of Environmental Conservation (NYSDEC) in 1992-1993 revealed that Mr. Dean was utilizing the property to illegally store hazardous waste generated by another facility located in Pennsylvania. Reports of these inspections indicated the presence of drums of caustic soda, some of which were unsealed and/or in a deteriorated condition, as well as bags of suspected asbestos-containing material, one drum of muriatic acid, and a transformer bank of six (6) large units in the basement of the main building.

As a result of the above referenced inspections, the County Health Department issued a Summary Order requiring the property owner to immediately place all caustic soda and other hazardous chemicals in proper containers and secure them, and to obtain the proper permits prior to the removal of any hazardous waste from the subject site. According to a representative of the County Health Department, the owner complied with this order, however, no documentation of compliance was obtained.

Inspections of the subject site in February and March 1999 by representatives of the Village of Brocton, Chautauqua County and the NYSDEC revealed the presence of numerous drums and containers of hazardous and petroleum wastes within the main building. The condition of said drums and containers was characterized as poor, indicating the potential threat of imminent release. Therefore, the NYSDEC issued an order requiring the owner to secure the containers and remove them from the site for proper disposal. Based upon information provided by the NYSDEC, a qualified contractor was retained by Mr. Dean in June 1999 to remove and properly dispose of the drums and containers. Records documenting the completion of the removal action (e.g., waste manifests) were provided by the NYSDEC and indicated the removal of 19 drums containing hazardous and petroleum wastes consisting of ignitable and corrosive liquids, benzene, spent solvents, waste PCB fluid and solids, waste batteries, and mercury waste.

1.2.4 Previous Environmental Assessments

As a result of previous investigations of the former Welch Foods, Inc. property, the following areas of potential environmental concern have been identified:

- The historical use of the property and main building for processing facility operations which included a machine shop, compressor room, boiler rooms and transformer room, for over 100 years indicates the potential for past discharges of petroleum, solvents, caustic materials and other chemicals to floor drains, the storm sewer, and to soil and groundwater on the site;

- Historical process wastewater discharges to the ground surface on-site and to the unnamed tributary of Slippery Rock Creek via the storm sewer;

- The former presence of a 25,000 gallon fuel oil UST on an adjacent property, (the condition of which at the time of removal is not known) as well as associated piping

that crosses the subject property, and the detection of petroleum contaminated soil in the vicinity of the UST cavity indicates potential soil and/or groundwater contamination on the subject property;

- The potential presence of fill of unknown origin and composition on the subject property;

- The potential presence of wastewater and/or sludge of unknown composition in one or more of the concrete holding tanks located within the facility;

- The detection of PCB residue within the suspected former transformer room indicates the potential for the past release of PCB-containing transformer fluid into the structure and possibly the storm sewer;

- The use of the subject property for illegal storage of hazardous waste/substances indicates the potential for past discharges to floor drains or into on-site structures; and

- The presence of asbestos-containing materials (ACMs) and lead-based paint (LBP) in the on-site building.

2.0 METHODS OF INVESTIGATION

The scope of the initial Site Investigation program completed at the project site was consistent with that outlined in the NYSDEC-approved *SI/RAR Work Plan* (October 2000) developed for the project site, and was focused on determining the nature and extent of contamination, if any, within the following four (4) areas of the site:

- Soil/Fill
- Groundwater
- Storm Sewer System
- Building Surfaces and Components

Potential on-site soil, fill and groundwater contamination was investigated as part of the subsurface investigation program developed for the site. This program involved the drilling of test borings, excavation of test pits, and the installation of groundwater monitoring wells to enable the collection and chemical analysis of samples from these media.

Stormwater and sediment occurring within structures associated with the on-site drainage control and storm sewer system were sampled and chemically analyzed to determine the type and magnitude of contamination present within this system.

The investigation of building surfaces and components included potential wastes or contamination present within the former wastewater collection and conveyance system, PCB levels on building surfaces within the former transformer room, and ACMs used in the construction of the building.

Following the completion of the initial SI program, a supplemental field investigation was performed to investigate potential off-site sediment contamination and to confirm some of the initial results. The scope of this supplemental investigation was developed in consultation with the NYSDEC and included the collection and chemical analysis of the following samples:

- An off-site sediment sample from the unnamed tributary of Slippery Rock Creek near the outfall of the storm sewer that is believed to receive discharges from the project site;
- Background soil samples from several off-site locations; and
- A supplemental groundwater sample from MW04.

2.1 Field Investigation

The following subsections outline the scope of the field activities associated with both the initial and supplemental phases of the site characterization program. This scope reflects deviations and/or additions from the initial scope, as modifications were necessary to account for information obtained during the field investigation. The methods employed during the execution of the field tasks outlined below were detailed in the *Field Sampling Plan* (FSP) dated October 2000, while the procedures implemented to ensure the quality of the resulting field and laboratory data were in accordance with the *Quality Assurance/ Quality Control Plan* (QA/QC) dated October 2000.

2.1.1 Subsurface Investigation

TVGA performed a subsurface investigation to characterize soil and groundwater conditions on the subject site. The investigation consisted of the drilling and installation of test borings and monitoring wells, as well as the excavation of test pits, to facilitate the collection and chemical analysis of soil and groundwater samples. The scope of the subsurface investigation included the following:

- Drilling and installation of six (6) groundwater monitoring wells to define the physical and chemical characteristics of groundwater beneath the subject site. The wells were installed in boreholes advanced using 4-1/4-inch I.D. hollow stem augers with continuous split spoon samples collected throughout the depth of each boring. The wells were constructed of PVC and screened in the upper most water-bearing zone. The location of these monitoring wells is shown on Figure 5.
- Drilling of four (4) additional test borings in potential areas of concern identified during previous assessments of the site to facilitate the collection, field screening and chemical analysis of soil samples. The test borings were advanced to a maximum

depth of 30-feet bgs using hollow stem augers with continuous split spoon samples collected throughout the total depth of each borehole. Test boring locations are depicted on Figure 5.

- All split spoon samples were field screened for Total Organic Vapors (TOVs) using a photoionization detector. One sample from each borehole with the highest TOV measurement in the vadose zone was selected for chemical analysis.

- The monitoring wells were developed and gauged to determine static water levels for the purpose of identifying groundwater flow direction and gradient.

- In-situ hydraulic conductivity tests were completed to determine the permeability of the upper most water-bearing unit.

- Representative groundwater samples were obtained from the monitoring wells for chemical analysis. This included the use of low flow purging and sampling techniques, as outlined in U.S. Environmental Protection Agency (EPA) Region 1 *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples From Monitoring Wells*, dated July 30, 1996, to collect a supplemental groundwater sample from MW04.

- Six (6) test pits were excavated in the area where the piping from the UST formerly located on the adjacent property was believed to extend across the project site to the boiler room, and in the area of the former rail siding (See Figure 5). One (1) soil and/or fill sample was collected from each of the test pits and submitted for chemical analysis.

- Two (2) background soil samples were collected from off-site locations within the surrounding community, including one (1) sample taken northeast of the site from the Public Library situated at 37 Main Street and one (1) sample taken southeast of the site from a private residence, located at 12 Harmon Street, and were submitted for chemical analysis.

2.1.2 Drain, Sump, Manhole and Vault Investigation

TVGA identified and visually examined exterior and interior floor drains, sumps and vaults in an effort to identify and sample suspect solids, liquids and/or sludges present within these structures. As a result, six (6) sediment samples were collected from floor drains, trench drains and sumps within the building. One (1) stormwater sample was also collected from the storm sewer that passes under the building via the manhole located on Pearl Street. The location of the on-site structures is depicted on Figure 6 and 7.

In addition to the on-site samples described above, one (1) off-site sediment sample from the unnamed tributary of Slippery Rock Creek was collected near the outfall of the storm sewer that is believed to receive discharges from the project site (See Attachment A).

During reconnaissance of the building interior for floor drains and vaults, TVGA also noted the location of potential PCB-containing electrical equipment and mercury-containing switches observed in the building.

2.1.3 Investigation of Concrete Holding Tanks

At some point during the operational life of the former Welch Foods facility, the concrete holding tanks located in the eastern portion of the building, along Pearl Street, were reportedly converted from juice concentrate storage to wastewater storage. Interviews with former plant employees indicated that two (2) sumps were utilized to collect wastewater generated by the facility, which was then pumped into the storage tanks prior to conveyance to the former on-site wastewater treatment facility. Therefore, the materials in the sumps are believed to be representative of the materials remaining in the concrete holding tanks.

In light of the difficulty in accessing the storage tanks, the majority of which are located in unsafe areas of the building, wastewater and sludge samples were collected directly from the two (2) collection sumps. The sludge samples were analyzed for hazardous characteristics (e.g., ignitability, reactivity, corrosivity, and toxicity) as defined by the Resource Conservation and Recovery Act (RCRA), and for PCBs. Wastewater samples collected from the sumps were analyzed for Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and pH.

2.1.4 Transformer Room Investigation

Using destructive methods, TVGA collected four (4) samples from the concrete floor and the concrete transformer pad located within the former transformer room for PCB analysis.

2.1.5 Asbestos Survey

The survey of the on-site structure for asbestos containing materials (ACMs) was performed in accordance with NYCRR, Title 12, Part 56 (Industrial Code Rule No. 56), and applicable provisions of 40 CFR Part 61 (NESHAPS) and Occupational Safety and Health Administration (OSHA) 29 CFR 1910. The survey included the following efforts:

- Readily available building plans and records were reviewed for references to asbestos or asbestos material used in construction, renovation or repair.

- An EPA and NYSDOL certified asbestos inspector completed an inspection of accessible portions of the on-site building to visually identify, quantify and assess the condition of potential ACM, including surface treatments, thermal system insulation, roofing and siding, and other miscellaneous materials (e.g., floor and ceiling tiles, fire

doors, etc.). A total of 96 bulk samples of the potential ACMs identified were collected using standard protocols, and were submitted for asbestos analysis.

2.1.6 Surveying

A topographic survey of the project site was completed to enable the preparation of an accurate base map. Test boring, monitoring wells, test pits and manhole locations and elevations were surveyed and superimposed on the base map (see Figure 5).

2.2 Sample Analysis/Validation

2.2.1 Laboratory Analysis

All chemical analyses were performed by Friend Laboratory, Inc. (FLI), which is accredited under the New York State Environmental Laboratory Approval Program (ELAP) Contract Laboratory Program (CLP). The target analytes and corresponding analytical methods used for the project are identified below and summarized in Table 1.

With the exception of the soil samples originating from the test pits, all groundwater, soil, and sediment samples were analyzed using the applicable methods prescribed by the NYSDEC Analytical Services Protocol (ASP), October 1995. Category B deliverables were generated for these samples. The remaining soil samples were analyzed using EPA SW-846 methods with Category B-equivalent deliverables. EPA SW-846 methods were also utilized to analyze concrete and sludge samples, while wastewater samples were analyzed using EPA 100-400 Series methods. The deliverables for the latter three (3) matrices were in accordance with the referenced methods.

Soil and groundwater samples collected from the test borings and monitoring wells were analyzed along with sediment samples for the full list of parameters appearing on the EPA Target Compound and Target Analyte List (TAL) using NYSDEC ASP methods. Soil samples originating from the test pits were analyzed for the volatile and semi-volatile organic compounds specified in Table 2 of the NYSDEC *Spill Technology and Remediation Series* (STARS), Memo #1 using EPA SW-846 Methods 8021 and 8270, respectively.

The background soil samples, collected from off-site locations within the surrounding community, were analyzed for the metals appearing on the EPA TAL using NYSDEC ASP methods.

Sludge samples collected from the wastewater collection sumps were analyzed for ignitability, corrosivity, and reactivity, and were subjected to the Toxicity Characteristic Leaching Procedure (TCLP) with the resulting sample extracts analyzed for the volatile and semi-volatile organic compounds, pesticides, herbicides and metals specified by the Toxicity Characteristic Rule. These parameters were identified by the Chautauqua

County Landfill as those necessary for evaluating the acceptability of the sludge for disposal at the facility.

Aqueous samples collected from the wastewater collection sumps were analyzed for pH, Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), and Total Suspended Solids (TSS). These parameters were identified by the Village of Fredonia Wastewater Treatment Plant as those necessary for evaluating the acceptability of the wastewater for disposal at the facility.

Concrete samples collected from the former transformer room were analyzed for polychlorinated biphenyls (PCBs) using EPA SW-846 Method 8082.

The analysis of all asbestos samples was performed by EMSL Laboratories, Inc., which is a New York State ELAP accredited laboratory. All samples of suspected ACM were analyzed using Polarized Light Microscopy (PLM). Additionally, non-friable organically bound (NOB) materials (e.g., floor tiles, roofing materials, etc.) were further analyzed using Gravimetric Reduction (GR) and Transmission Electron Microscopy (TEM), as required by the NYSDOH.

2.2.2 Quality Assurance/Quality Control Samples

Samples were collected throughout the project for Quality Assurance/Quality Control purposes (QA/QC). The purpose of these samples was to evaluate the effectiveness of the QA/QC procedures implemented during the field and laboratory activities associated with the project. The QA/QC samples were collected and analyzed in accordance with the *Final QA/QC Plan* (October 2000) developed for the project. As reflected by Table 1, QA/QC samples include matrix spike (MS), matrix spike duplicate (MSD) and matrix duplicate (MD) samples, trip blanks, blind field duplicates and equipment blank samples.

2.2.3 Data Validation

The validation of the laboratory data was performed by Data Validation Services, which is a NYSDEC-approved independent data validator. Validation of 100% of the data was performed in accordance with the NYSDEC Validation Scope of Work for RI/FS projects. The data package was reviewed for completeness and compliance relative to the criteria specified in the aforementioned NYSDEC document. The validator then conducted a detailed comparison of the reported data with the raw data submitted as part of the supporting documentation package, and applied protocol-defined procedures for the identification and quantitation of the individual analytes to determine the validity of the data.

3.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA

3.1 Subsurface Stratigraphy

An evaluation of the subsurface stratigraphy of the project site has been completed by integrating the data collected during the subsurface investigation with existing published information on the geology and hydrogeology of the project area. As previously noted, the subsurface investigation included the drilling of ten (10) test borings and the excavation of six (6) test pits at various locations across the project site (See Figure 5). Appendix A presents the test boring and test pit logs that describe the subsurface materials encountered at these locations.

The subsurface stratigraphy can be divided into three (3) units, which are identified in descending order as follows: (1) a layer of fill consisting of cinders, ashes, brick, coal fragments, wood, scrap metal, glass and soil that extends from the ground surface to depths ranging from 2-6 below grade; (2) a lacustrine beach deposit, 8 to 18 feet in thickness, that underlies the fill; and (3) a compact, sandy clay till that was not fully penetrated. The fill unit was encountered at all of the test boring and test pit locations, with the exception of the three (3) northern-most test borings (TB-1, MW-05 and MW-06). The sandy beach deposit was present at all ten (10) test boring locations, and contained varying percentages of gravel, as well as lenses of laminated silt and clay. The till consisted of a poorly sorted diamict that likely overlies bedrock.

With the exception of dark colored fill and fill that exhibited creosote/bitumen odors encountered in the test pits excavated along the former rail siding to the south of the building, no visual, olfactory or photionic evidence of subsurface contamination was noted during the investigation. It should be noted, however, that extremely cold temperatures experienced throughout the field program rendered the PID largely ineffective for the field screening of soil samples.

3.2 Groundwater

Groundwater monitoring well field installation reports of the six (6) wells installed on the project site are included in Appendix B, while well development and sampling logs are presented in Appendix C. Groundwater was encountered in four (4) of the six (6) monitoring wells near the base of the lacustrine beach deposit, just above the lower permeability till. Wells MW-02 and MW-06 were dry. Static water level measurements in the four (4) productive wells were recorded on several occasions. These measurements and the corresponding groundwater elevations are presented in the table below, and indicate that groundwater levels in the wells ranged from 13.96 to 21.43 feet below the top of the well casings during the most recent gauging event.

Monitoring Well	Top of Casing Elevation	Depth to Water 1/9/2001	GW Elevation	Depth to Water 1/24/2001	GW Elevation	Depth to Water 8/1/2001	GW Elevation
FWS MW 01	757.90	13.94	743.96	13.95	743.95	13.96	743.94
FWS MW 02	759.88						
FWS MW 03	759.12	15.90	743.22	15.87	743.25	15.81	743.31
FWS MW 04	752.42	20.91	731.51	21.15	731.27	21.43	730.99
FWS MW 05	744.06	14.05	730.01	14.05	730.01	14.66	729.40
FWS MW 06	748.97						

Using the most recent groundwater elevations from the four (4) productive wells, a groundwater contour map was constructed and is presented as Figure 8. As reflected by the contour map, groundwater flow direction in the upper-most water-bearing zone is generally to the northeast, and the average hydraulic gradient is approximately 3.7×10^{-2} feet/foot. The results of in-situ hydraulic conductivity testing of the on-site wells yielded hydraulic conductivity values ranging from 1.2×10^{-2} centimeters per second (cm/sec) to 4.8×10^{-4} cm/sec, with an average of 4.2×10^{-3} cm/sec. Assuming an effective porosity of 30%, the average linear groundwater flow velocity across the project site is approximately 1.46 feet per day.

3.3 Building and Infrastructure

3.3.1 Structural Integrity

The building is in a severely deteriorated condition, with major sections of the roof having collapsed and substantial water damage having affected the structural integrity of the remaining wooden roof and floor joists in many areas of the building. As a result of these conditions, safe access to many areas of the building is currently not possible. Furthermore, substantial quantities of debris resulting from the water damage and structural collapses are present within the building.

3.3.2 Drainage Systems

The on-site stormwater and wastewater control systems are not fully understood, and, with the current condition of the building, could not feasibly be investigated during the course of this SI. However, information obtained from interviews with former Welch Foods employees and representatives of the Village of Brocton Wastewater Treatment Plant (WWTP) was integrated with site observations to develop the following key points concerning these systems:

- Previous efforts by facility employees to dye test the internal drainage system at the site were unsuccessful;

- The Village has no records of any connections from the project site to the municipal sanitary sewer system;

- Historical sewer plans show a possible septic tank and leach field on the northwest corner of the property. The proximity of this disposal system to the former office area of the building suggests that it may have received sanitary wastewater from the facility;

- An 18-inch diameter storm sewer extends beneath the building in a northeasterly direction, and is believed to receive the majority of the flow from the on-site drainage control system. This storm sewer is believed to have been the discharge point for treated wastewater from the former facility's on-site WWTP, as well as untreated wastewater prior to construction of the WWTP. This storm sewer discharges to an unnamed tributary of Slippery Rock Creek that flows through a residential area of the Village of Brocton to the northeast of the project site. Manholes providing access to this storm sewer are present in the former compressor room and on the west side of Pearl Street, between the building and the road.

- Numerous floor drains containing sediment were identified throughout the building. Chemical odors were noted in the sediment present within the floor drains encountered in the former machine shop and the adjacent former press room during sample collection.

- Two (2) sumps that reportedly were components of the facility's wastewater collection system were identified on the project site. Wastewater that collected in these sumps was apparently conveyed to the former wastewater treatment facility, either directly, or by way of the concrete holding tanks present along the eastern side of the building. One of these sumps is located on the northeastern corner of the property, at the intersection of West Main Street and Pearl Street, while the other sump is located in the room adjacent to the former compressor room. Dark sludge was observed in the exterior sump, while liquid within the interior sump was frozen at the time of the field investigation.

- The wastewater sump located on the site exterior, at the intersection of West Main and Pearl Streets, reportedly overflowed onto the ground surface and into West Main Street within the last several years. The overflow was a result of the flushing of the juice storage tanks that are located in the portion of the former facility that is currently being actively utilized by a local juice manufacturer, and which adjoins the project site.

3.3.3 Installed Electrical Equipment

Although the large transformers have been removed from the former facility's main electrical substation, a number of step-down transformers were observed throughout the building. A total of ten (10) step-down transformers manufactured by Westinghouse and others were noted during the field investigation. These and other undiscovered transformers that may be present in inaccessible areas of the building have the potential to contain PCBs based upon their age. The same is true of the ballasts in the many

fluorescent light fixtures located throughout the building. Lastly, two (2) mercury-containing switches were observed during the field investigation, however, more may be present within the building.

4.0 ANALYTICAL RESULTS

4.1 General Discussion

The following sections summarize and discuss the analytical data generated as a result of the field investigation of the project site. These data have been utilized to determine the nature and extent of contamination at the site based upon comparisons with applicable Standard Criteria and Guidance Values (SCGs). The FLI analytical laboratory reports are included in Appendix D, while the chain-of-custody records are presented in Appendix E. These data were validated in accordance with the NYSDEC Validation Scope of Work for RI/FS Projects, and the resulting report is included in Appendix F. A series of tables (Tables 2-12) summarizing the validated data relative to the applicable SCGs has also been developed and has been integrated in the following discussions.

4.1.1 Subsurface Soil/Fill

Subsurface soil/fill samples were collected from both test borings and test pits installed on the project site. The test borings were drilled at various points around the perimeter of the building, while the test pits were focused in the area to the west and south of the building, in the vicinity of the suspected fuel oil UST piping and former rail siding, respectively. Additionally, off-site soil samples were collected from properties in the vicinity of the project site and analyzed for the purpose of establishing local background concentrations of metals.

4.1.1.1 Background Soil Samples

The results of the analysis of the two (2) background soil samples for metals are presented in Table 3. A comparison of the data from these two samples indicates that they generally coincide, with significant variations noted in only three parameters (barium, lead, and zinc). Therefore, these data are considered representative of background metals levels in the vicinity of the project site, and were used for comparison with metals data from on-site soil and fill samples as prescribed in NYSDEC TAGM 4046.

4.1.1.2 Test Borings

Ten (10) subsurface soil/fill samples were obtained from split-spoon samples collected from MW01, MW02, MW03, MW04, MW05, MW06, TB01, TB02, TB04 and TB05. These samples were analyzed for the volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, PCBs, and

metals listed on the EPA Target Compound and Target Analyte lists using ASP methods.

As reflected by Table 2, VOCs and/or SVOCs were detected in all ten (10) of the subsurface soil/fill samples. However, no VOCs were detected in any of the samples at concentrations exceeding the recommended soil cleanup objectives established in the NYSDEC TAGM HWR-92-4046, and all but two (2) of the detected compounds were also detected in the method or trip blank, which is indicative of laboratory contamination. Furthermore, only two (2) samples (TB02 and MW02) contained SVOCs at levels exceeding the guidance levels. These sample locations are both located to the south of the building in the area of the former rail siding and consisted of fill occurring within 4-feet of the ground surface. The greatest number and concentration of SVOCs were detected in the sample from TB02; however, the cumulative concentration of SVOCs in this sample was well below the guidance level for total SVOCs.

The results from the analysis of the subsurface soil/fill samples for the metals appearing on the EPA TAL are also presented in Table 3, which presents a comparison of the compounds detected with site background levels and the NYSDEC recommended soil cleanup objectives. As reflected by the table, the concentrations of the inorganic parameters analyzed were relatively uniform across the site, and were generally comparable with the background levels. Exceptions to this included the following parameters, which were detected at levels that significantly exceeded the maximum background concentrations:

- Calcium in TB02, TB04 and MW02;
- Copper in MW02;
- Iron in MW02 and MW03;
- Magnesium in TB04 and MW03;
- Nickel in MW02 and MW03; and
- Potassium in MW03 and MW06.

With the exception of the elevated parameters detected in the sample from MW02, the concentrations of the above listed metals were generally within the range of typical background levels encountered in the northeastern United States, and are not believed to be indicative of on-site soil contamination.

The elevated concentrations detected in the sample from MW02 are interpreted to reflect the composition of the industrial fill material located along the southern margins of the site. Elevated levels of semi-volatile organic compounds (SVOCs) were also detected in this fill material, which is identified as a potential source of concern.

4.1.1.3 Test Pits

One (1) fill sample was collected from each of the six (6) test pits and was analyzed for the VOCs and SVOCs appearing in Table 2 of STARS Memo No. 1 using EPA Methods 8021 and 8270, respectively. Numerous SVOCs were detected in four (4) of the six (6) test pits sampled (Table 4). Sample TP04, located south of the building and railroad right-of-way (ROW), contained ten (10) SVOCs at concentrations exceeding the recommended soil cleanup objectives (TAGM HWR-92-4046). Additionally, the cumulative concentration of SVOCs detected in TP04 was approaching the NYSDEC guidance level of 500,000 parts per billion (ppb) for total SVOCs, and three (3) individual compounds exceeded the related NYSDEC threshold of 50,000 ppb. Samples collected and analyzed from TP01, TP03 and TP05 each contained four (4) or more SVOCs at concentrations exceeding the recommended soil cleanup objectives. The only VOC detected in the test pits was naphthalene in TP04.

4.1.2 Groundwater

Samples were collected from four (4) of the six (6) newly installed groundwater monitoring wells (MW01, MW03, MW04 and MW05). Insufficient volume was present in the remaining two (2) wells to enable sampling. The groundwater samples were analyzed for Target Compound List (TCL) VOCs, SVOCs, pesticides and PCBs, as well as Target Analyte List (TAL) metals using ASP Methods.

No VOCs, SVOCs, pesticides or PCBs were detected in any of the groundwater samples collected from the site. The results from the analysis of the groundwater samples for the metals appearing on the EPA TAL are presented in Table 5. Table 5 also presents a comparison of the inorganic groundwater data with the applicable ambient water quality standards (WQS) and guidance values established in the NYSDEC *Division of Water Technical and Operational Guidance Series* (TOGS) 1.1.1 (1998).

With the exception of the sample from MW-04, the concentrations of the inorganic parameters analyzed were relatively uniform across the site and were generally below the groundwater standards. Exceptions to this included aluminum and iron, which were detected at concentrations that exceed the groundwater standards in all of the wells sampled, and sodium in MW-04 and MW-05. The presence of elevated levels of aluminum and iron in all of the wells sampled indicates that these results likely reflect local groundwater quality, while the presence of elevated levels of sodium in the two (2) wells located along public roads is attributed to the use of road salt.

The concentrations of numerous metals detected in MW-04 were markedly higher than the average concentrations in the three (3) remaining wells, and exceeded the applicable groundwater standards. Examples of this include aluminum, arsenic, chromium, iron, lead, magnesium, manganese, and nickel. These levels, however, were attributed to the high turbidity of the sample. In an effort to verify this interpretation, MW04 was re-

sampled using low flow purging and sampling techniques in an attempt to obtain a low turbidity sample for analysis. However, the use of this technique was not effective in reducing the turbidity of the sample to below 50 NTU, and, therefore, the sample was analyzed for dissolved metals.

The analytical results from the supplemental groundwater sample collected from MW04 indicated that with the exception of sodium, all metals detected were below applicable ambient WQS and TOGS guidance values. Furthermore, a comparison of the data from the supplemental groundwater sample with that from the initial sample from MW04 revealed that the number and concentration of dissolved metals was significantly lower than that detected for total metals. This confirmed that the elevated metals concentrations initially detected in MW04 were associated with the high turbidity of the initial sample. As such, no site-derived impacts to groundwater have been identified.

4.1.3 Sediment

Six (6) sediment samples were collected from floor drains, trench drains and sumps occurring within the building. Additionally, one (1) sediment sample was collected from the unnamed tributary to Slippery Rock Creek near the outfall of the storm sewer that receives discharges from the project site. All of these sediment samples were analyzed for the VOCs and SVOCs, Pesticides, PCBs and metals appearing on the TCL and TAL. The analytical results for the on-site samples are presented in the following paragraphs, followed by the results for the off-site sample.

One or more VOCs and/or SVOCs were detected in each of the on-site sediment samples. However, no VOCs were detected in any of these samples at levels exceeding the recommended cleanup objectives, and all but one (1) of the detected compounds were also detected in the method or trip blank, which is indicative of laboratory contamination (Table 6).

Numerous SVOCs were detected in five (5) of the six (6) on-site samples (Table 6). Sample DR01, a composite sample of sediment collected from four (4) floor drains in the Machine Shop, contained a total of 17 SVOCs, twelve (12) of which were present at levels exceeding the recommended soil cleanup objectives. Furthermore, the total concentration of SVOCs detected in the DR01 sample was well above the NYSDEC guidance level of 500,000 ppb for total SVOCs, and eleven (11) individual compounds exceeded the related NYSDEC threshold of 50,000 ppb. The remaining four (4) sediment samples contained from two (2) to seven (7) compounds at concentrations exceeding the guidance levels. However, the cumulative concentration of SVOCs in these four (4) samples was below the NYSDEC guidance level of 500,000 ppb for total SVOCs, and no individual compounds exceeded the related NYSDEC threshold of 50,000 ppb.

PCB Aroclor 1254 was detected in the samples from all six (6) on-site drains and sumps sampled (Table 7) at concentrations ranging from 3-19 ppm. These levels exceed the

NYSDEC recommended soil cleanup objective for PCBs in surface soil of 1 part per million (ppm).

The results of the metals analysis of the sediment samples collected are presented in Table 8. A comparison of the compounds detected in on-site locations with the recommended soil cleanup objectives revealed the presence of numerous metals (e.g. arsenic, barium, cadmium, chromium, copper, iron, mercury, nickel and zinc) in all of the samples at levels exceeding the recommended soil cleanup objectives. These levels are attributed to metal particulates (e.g., shaving, grindings, etc.) generated during machining and equipment maintenance procedures at the former facility that were likely washed or swept into the floor drains. The elevated mercury levels are similarly attributed to the use and maintenance of mercury-containing switches and regulators associated with the operation of the former facility's refrigeration system.

As reflected in Tables 6 and 7, no VOCs or PCBs were detected in the off-site sediment sample collected from the unnamed tributary to Slippery Rock Creek. However, 17 SVOCs were detected in this sample, four (4) of which were detected at levels that marginally exceeded the recommended soil cleanup objectives established in NYSDEC TAGM 4046. The data for each of these four (4) SVOCs were flagged with a 'J' by the laboratory, and/or the validator, indicating that the results are estimated below the quantitation limit.

The results of the analysis of the off-site sediment sample for TAL metals are presented in Table 8. A comparison of the data with the NYSDEC recommended soil cleanup objectives revealed that the concentrations of the majority of the metals detected were below the applicable regulatory levels. Furthermore, of the four (4) parameters that were detected at levels that exceeded the regulatory levels, only calcium was present at a concentration that was significantly elevated.

4.1.4 Stormwater

A stormwater sample was collected from the storm sewer manhole located on Pearl Street to the east of, and immediately down-gradient from, the project site. This storm sewer is suspected to have been the route of discharge from the former on-site wastewater treatment facility, and is believed to receive discharges from the on-site drainage system, and ultimately drains to the unnamed tributary to Slippery Rock Creek. The sample was analyzed for the VOCs, SVOCs, Pesticides, PCBs and metals appearing on the TCL and TAL. No contamination was detected in this stormwater sample as a result of these analyses (see Table 9).

4.1.5 Sludge

One (1) sludge sample was collected from each of the two (2) sumps that are believed to have functioned as part of the on-site wastewater conveyance system. The samples were analyzed for hazardous characteristics (e.g., ignitability, reactivity, corrosivity, and

toxicity) as defined by the Resource Conservation and Recovery Act (RCRA), and for PCBs.

The resulting data indicate that the sludge is non-hazardous (see Table 10). However, PCB Aroclors 1248 (3.1 ppm) and 1260 (12 ppm) were detected in one of the samples, while the other contained PCB Aroclor 1254 (5.1 ppm). These results are summarized in Table 11.

4.1.6 Wastewater

One (1) wastewater sample was collected from each of two (2) sumps, SP04 and SP06, and was analyzed for Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and pH. The results of these analyses are summarized in Table 12.

4.1.7 Building Surfaces

Four (4) samples of the concrete flooring were collected from the former transformer room using destructive methods. These samples were analyzed for PCBs using EPA Method 8082. PCB Aroclor 1254 was detected in two (2) of the concrete samples at concentrations of less than 1 ppm. No PCBs were detected in the remaining two samples.

4.1.8 Asbestos Containing Materials

A total of 96 bulk samples of suspect asbestos-containing materials (ACMs) were collected from interior and exterior building components. The laboratory analysis of all of these samples was performed by EMSL Laboratories, and the resulting laboratory data are contained in the *Pre-Demolition Survey Report* presented in Appendix G. All of the samples, with the exception of those consisting of non-friable organically bound (NOB) materials, were analyzed using Polarized Light Microscopy (PLM). NOBs, which include roof flashing, mastics, window caulk and floor tiles, were analyzed using Transmission Electron Microscopy (TEM). As reflected by Table 13, numerous ACMs were identified in connection with the on-site building.

4.2 Nature, Extent and Source of Contamination

4.2.1 Subsurface Soil and Fill

Environmental media in which contamination was detected were limited to subsurface fill occurring to the south of the building. No facility-derived groundwater contamination was detected in the on-site monitoring wells.

Contaminants detected in subsurface fill at concentrations that exceed applicable regulatory guidance levels consist primarily of polycyclic aromatic hydrocarbons (PAHs).

These compounds are commonly associated with industrial applications involving petroleum-based products, and are found in heavy fractions of petroleum distillation, asphalt, coal tar, and creosote. The presence of these compounds appears to be reflective of the composition of the fill material used in this portion of the site. Other potential sources of these compounds include the former operation of a rail spur in this area; poor housekeeping practices resulting in past releases of petroleum products and/or wastes used in connection with machine shop and compressor operations; and/or past spills and/or leaks associated with the former storage and use of fuel oil.

4.2.2 Sediment and Sludge

PAHs and PCBs were detected in sediment and sludge present within floor drains and sumps at various locations within and adjacent to the building. The highest concentrations of PAHs were detected in sediment collected from floor drains located within the former machine shop. The presence of these contaminants is likely related to poor housekeeping practices, spills and/or releases of new and used petroleum products and dielectric fluid to the facility's internal drainage system.

The extent of the contamination associated with the facility's drainage control system has not been fully defined because this system has not been fully delineated. This is a function of the age and complexity of the system, and the severely deteriorated condition of the building. As such, sludge that may be present within the concrete holding tanks located along the eastern side of the building may contain PCBs.

A comparison of the chemical composition of the off-site sediment sample collected from the unnamed tributary to Slippery Rock Creek with that of contaminated sediments encountered within the drains and sumps located on the project site did not reveal any distinct correlation between the two. The presence of PCBs in all of the on-site sediment samples but not in the off-site sample from the tributary drainage course exemplifies the difference in chemistry of these materials. Therefore, the SVOCs detected in the sediment from the tributary drainage course are not believed to have originated from the project site. Instead, the presence of these compounds is attributed to urban runoff that is intercepted by the municipal storm sewer system and discharged to this drainage course.

4.2.3 Building Materials and Surfaces

4.2.3.1 Asbestos-Containing Materials

Substantial quantities of friable and non-friable ACMs were identified throughout the on-site building. All of the roofing and perimeter roof flashing is considered asbestos containing, and duct and pipe insulation present throughout much of the building contains asbestos. Additionally, asbestos-containing insulation residue was intermingled with the debris present on the floor in many areas of the building. Other notable areas include the boiler rooms located on the

western side of the building, which contain significant quantities of asbestos-containing insulation and debris, and the second floor office area where asbestos-containing floor tiles and mastic were identified.

4.2.3.2 Transformer Room Floor

The residual PCB levels detected in the concrete samples collected from the floor of the former transformer room are likely the result of the regular operation and maintenance of the transformers that were once present in this area. These results do not appear to be indicative of any significant historical spills or releases of PCB-containing dielectric fluid from the transformers during their operation or decommissioning and removal. This is supported by the results of wipe tests completed during a previous assessment of the site, as well as the lack of staining observed on the floor surfaces in the former transformer room.

5.0 CONTAMINATION ASSESSMENT

5.1 Contaminant Fate and Transport

The probable fate and transport of contaminants detected on the project site is a function of the properties of the individual contaminants and available pathways for said contaminants to migrate. The physical characteristics of the site and the type and distribution of contaminants determine the degree to which, as well as the route by which, contaminants migrate.

5.1.1 Subsurface Soil and Fill

Contaminants of concern detected in subsurface fill are limited to PAHs. These compounds are characterized by low solubilities and high octanol-water partition coefficients, and, therefore, have a tendency to adsorb onto soil particles. As such, these contaminants are not expected to impact groundwater quality or migrate substantially in the subsurface. This is supported by the absence of on-site groundwater contamination. The potential for the mechanical transport of fill contaminated with PAHs via wind and water erosion is also reduced by the presence of asphalt and vegetation on the surface of this area. Since these compounds have relatively low vapor pressures, they are expected to remain in a solid or liquid state and undergo degradation via naturally occurring microbes.

5.1.2 Sediment and Sludge

Contaminants detected in sediment and sludge collected from drains and sumps within and adjacent to the facility consisted primarily of PAHs and PCBs. Both of these types of contaminants have low solubilities and vapor pressures. Furthermore, mechanical transport via wind erosion is unlikely given their disposition. Therefore, the most likely pathway for migration would be via the suspension and transport of contaminated

particles in liquids that enter these structures. While PAHs can be degraded over time by naturally occurring microbes, PCBs are quite resistant to chemical or biological degradation and tend to persist in the environment.

The sumps are believed to be components of the former facility's wastewater conveyance and treatment system, and functioned to collect wastewater from various points within the facility prior to conveying it to the concrete tanks located along Pearl Street and ultimately to the on-site wastewater treatment facility. As such, the sumps are believed to be closed systems and the only route of migration for contaminated sludge present therein is via suspension in fluid that overflows these structures. One such occurrence of overflow from the sump located at the intersection of West Main and Pearl Streets has been documented by the Village of Brocton in recent years.

Contaminated sediment within the facility's drain system has the potential to become suspended in, and transported by, stormwater that enters the system. No contamination was detected in the stormwater sample collected from the storm sewer that extends beneath the facility and discharges to an outfall that empties into an unnamed tributary of Slippery Rock Creek. Furthermore, site-derived contamination was not detected in the sediment sample collected from the unnamed tributary to Slippery Rock Creek near the outfall of this storm sewer. However, the introduction of additional stormwater into the building, through deteriorating roof areas, may result in the transport of PCB and PAH contaminated sediment through the storm sewer system to said tributary. Although this storm sewer is believed to be the primary discharge point for the facility's drain system, this system has not been fully delineated. Therefore, there is the potential for the discharge of contaminated stormwater at other undefined discharge points.

5.1.3 Asbestos

Non-friable ACMs are relatively resistant to weathering and are not expected to migrate from the project site. However, asbestos fibers released as a result of the degradation of friable ACMs are susceptible to dispersion via wind currents and/or transport via stormwater. Based upon the condition of the building, with several major roof sections having collapsed, friable ACMs are exposed directly to the environment and could be subject to wind and water erosion.

5.2 Evaluation of Potential Receptors

The project site is located in an area that is characterized by a mixture of residential, commercial and light industrial properties. Residences along Pearl Street are located within approximately 60-feet of the project site. Additionally, the adjoining building is being actively utilized for the storage of fruit juice. The surrounding area is serviced by the municipal water supply system of the Village of Brocton, which withdraws water from an open surface water reservoir located over 1.5-miles to the south of the project site. Considering the lack of groundwater contamination on the project site and the lack of local reliance on groundwater as a potable water supply source, exposure to on-site contamination via groundwater is not a concern.

The project site is currently abandoned and unoccupied. Access to the site is partially restricted by perimeter fencing and building walls, and the building has been partially secured in an attempt to restrict public access. However, due to the severely deteriorated condition of the building, site entry by trespassing members of the public is possible.

Under current conditions, potential human receptors include persons living and working in the area surrounding the project site; persons working or trespassing on the project site; and persons involved in utility work on and adjacent to the project site. Persons living in the vicinity of, or involved in recreational activities at, the unnamed tributary to Slippery Rock Creek could also become potential human receptors if contaminated stormwater were to be discharged to this tributary drainage course.

The planned future use of the site following the demolition and removal of the on-site building is for commercial and/or light manufacturing purposes. Under this scenario, and assuming that contaminated fill, sediment and sludge remains on-site, potential human receptors include persons living and working in the area surrounding the project site; and persons involved in utility work on and adjacent to the project site. As with the current use scenario, if contamination were to be released via the storm sewer system to the unnamed tributary to Slippery Rock Creek, persons living in the vicinity of, or involved in recreational activities at, this drainage course would be considered potential human receptors.

Potential human receptors during the construction phase of redevelopment would include site workers involved in excavation activities, and persons living in, and traveling through the area surrounding the project site.

Potential environmental receptors include wildlife occurring on the project site (e.g., rodents, birds, etc.). Additionally, should on-site contamination be released via the storm sewer system to the unnamed tributary to Slippery Rock Creek, terrestrial and aquatic organisms inhabiting this drainage course or using it as a source of drinking water and/or food would also be considered potential environmental receptors.

5.3 Potential Exposure Pathways

Contaminants of concern include carcinogenic PAHs and asbestos, as well as PCBs, which are classified as probable human carcinogens.

5.3.1 Subsurface Soil/Fill

The presence of slightly elevated concentrations of PAHs in subsurface fill located on the southern part of the project site is not interpreted to represent a human exposure risk because no complete exposure pathways were identified under the current use scenario for the property. This is a function of the subsurface disposition of the contamination, the presence of asphalt and vegetation on the ground surface in the area of contamination, and the semi-restricted site access, which effectively minimize the potential for the incidental ingestion of, or dermal contact with, the contaminated media. These factors

also reduce the potential for the emission of particulates that could pose an exposure risk via inhalation. This applies to persons living, working and traveling through the area surrounding the project site, as well as persons visiting, working or trespassing on the project site.

Construction workers, site visitors and persons living, working and traveling through the project site could be exposed to the PAHs in the subsurface fill during excavation of the contaminated soil in connection with site redevelopment. Potential exposure routes for these receptors include inhalation of contaminated dust, and incidental ingestion of, and/or dermal contact with, the contaminated fill. However, the use of appropriate personal protective equipment and dust suppression techniques would likely minimize the risk of exposure during construction.

No complete exposure pathways have been identified in connection with the post redevelopment period, assuming that the contaminated fill is not exposed at the ground surface.

5.3.2 Sediment and Sludge

Under the current use scenario, utility workers involved with the cleaning and/or maintenance of drainage structures along West Main Street and Pearl Street could be exposed to the PCB contaminated sludge present in the collection sump located at the intersection of these roads. The potential exposure routes for these workers include incidental ingestion of, and/or dermal contact with, the sludge while working in the sump. The potential for the exposure of members of the public also exists should the sludge overflow the structure into the on-site stormwater collection system, or onto the adjacent ground surface or roadway and be transported by stormwater, or dispersed by wind currents. Potential routes of exposure in such an instance would include the incidental ingestion of, or dermal contact with, the sludge or stormwater containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sludge.

No complete exposure pathways have been identified under the current use scenario for the contaminated sediment present within drains located on the project site. This is based upon the disposition of the sediment within drain structures and the semi-restricted site access, which effectively minimizes the potential for incidental ingestion of, or dermal contact with, the sediment, as well as the inhalation of particulates.

Site-derived contamination was not detected in the sediment of the unnamed tributary of Slippery Rock Creek during the course of this investigation. However, the volume of stormwater entering the building and the on-site drainage structures may increase due to continued deterioration of the building roof, and could result in the release of contaminants to this drainage course. Should the migration of contaminated sediment via the storm sewer system occur, members of the public living and recreating along this tributary stream could be exposed to PAH and PCB-contaminated sediment via incidental

ingestion of, or dermal contact with, impacted sediments and/or stormwater. Utility workers involved in the cleaning and/or maintenance of the storm sewer system could also be exposed to contaminated sediment via similar exposure routes in the course of their work. Lastly, fish and wildlife inhabiting this stream corridor could be exposed to the contamination via ingestion of, or contact with, impacted sediments and/or surface water. If the migration of contaminated sediment were to occur in this manner, these exposure pathways would exist under the current and future use scenarios.

Construction workers, site visitors and persons living, working and traveling through the project area could be exposed to the PAHs and PCBs in the sediment and sludge during demolition and removal activities performed in connection with site redevelopment. Potential exposure routes for these receptors include inhalation of contaminated dust, and incidental ingestion of, and/or dermal contact with, the contaminated sediment. However, the use of appropriate personal protective equipment and dust suppression techniques would likely minimize the risk of exposure during construction.

No complete exposure pathways for on-site sludge and sediment contamination have been identified in connection with the post redevelopment period, assuming that the sumps, drainage structures and their contents are removed or sealed in place.

5.3.3 Asbestos

Under the current use scenario, persons living and working in the area immediately surrounding the project site have the potential to be exposed to asbestos via the inhalation of asbestos fibers released from damaged, friable ACMs that are exposed to wind currents. The risk of asbestos exposure during building demolition would be minimized through the implementation of proper abatement, control and monitoring procedures as required by applicable state and federal regulations. This risk would be eliminated with the removal and proper disposal of the asbestos-containing demolition debris, and, therefore, would not apply to the future use scenario.

6.0 SUMMARY AND CONCLUSIONS

6.1 Overview

An investigation of the Former Welch Foods Site, located at 54 West Main Street in the Village of Brocton, New York, was performed on behalf of Chautauqua County as part of the Site Investigation/Remedial Alternatives Reporting (SI/RAR) program being conducted at the site. The County has received State financial assistance to conduct this program under the Environmental Restoration, or Brownfield, component of Title 5 of the Clean Water/Clean Air Bond Act of 1996. The objective of the Site Investigation (SI) phase of this program was to characterize the site and determine the nature and extent of contamination, if any, occurring in or on the on-site soil/fill; groundwater; storm sewer system; and building surfaces, components and

materials. The resulting data was used to qualitatively evaluate potential risks to human health and the environment associated with current site conditions and potential future use scenarios.

6.2 Scope of Site Investigation

The scope of the SI was in general conformance with that outlined in the *Final SI/RAR Work Plan* developed for the site and approved by the New York State Department of Environmental Conservation (NYSDEC). Minor modifications to, and augmentation of, the scope of the field program were made during the course of the investigation in consultation with the NYSDEC to account for the site conditions encountered. The primary tasks associated with the field investigation included:

- The drilling of ten (10) test borings and the excavation of six (6) test pits across the site and in areas of potential concern to collect, screen and classify overburden deposits;
- Installation of six (6) groundwater monitoring wells to determine groundwater flow direction and facilitate the collection of representative groundwater samples;
- Inspection of drains, sumps and vaults located on the project site to identify and sample potentially contaminated liquids, sediments and sludges, and to determine the function of these structures, if possible;
- The sampling of concrete building surfaces that may have been exposed to polychlorinated biphenyls (PCBs);
- Chemical analysis of sediment, sludge, wastewater, stormwater, groundwater and concrete samples;
- The identification, sampling and laboratory analysis of suspected asbestos-containing materials (ACMs); and
- The identification of potential PCB-containing electrical equipment and mercury switches located within the building;
- The survey of site topography, as well as test boring, test pit, monitoring well, and sample locations.

Field and laboratory procedures were performed in accordance with the *Final Field Sampling Plan* and the *Final Quality Assurance/Quality Control (QA/QC) Plan* developed for the project.

6.3 Physical Conditions of the Project Site

Field observations and geologic samples collected during the performance of the subsurface investigation indicated the presence of fill material consisting of ash, cinders and debris along the

southern margin of the site in the vicinity of the former rail siding. The fill material extends from the ground surface to 2-6 feet below grade, and overlies lacustrine beach deposits consisting of sand with varying percentages of gravel and silt. The thickness of these deposits ranges from 8-18 feet, and they are underlain by a compact, sandy till. Bedrock was not encountered in any of the test borings, which were advanced to a maximum depth of 30-feet below grade.

The upper-most water bearing zone was encountered near the base of the lacustrine beach deposits at depths ranging from 14-21 feet below grade. The hydraulic conductivity of these deposits was determined to be approximately 4.2×10^{-3} cm/sec, and the direction of shallow groundwater flow across the site was determined to be to the northeast, toward the discharge area represented by Slippery Rock Creek, at a rate of 1.46 feet per day.

A number of major roof sections of the on-site building have collapsed and substantial water damage has affected the structural integrity of many of the remaining wooden structural elements. As a result, safe access to many areas of the building is not possible, and significant quantities of debris are present within the structure.

Numerous floor drains containing sediment were identified throughout the building. Chemical odors were noted in the sediment present within the floor drains encountered in the former machine shop and the adjacent former press room. An 18-inch diameter storm sewer extends beneath the building, and is believed to receive the majority of the flow from the on-site drainage control system. This storm sewer is believed to have been the discharge point for the wastewater treatment facility formerly present at the Welch Foods site, and discharges to an unnamed tributary to Slippery Rock Creek to the northeast of the project site. Manholes providing access to this storm sewer are present in the former compressor room and on the west side of Pearl Street, between the building and the road.

Two (2) sumps believed to have been components of the facility's wastewater collection system were identified on the project site. Wastewater that collected in these sumps was apparently conveyed to the former wastewater treatment facility, either directly, or by way of the concrete holding tanks present along the eastern side of the building. One of these sumps is located on the northeastern corner of the property, at the intersection of West Main Street and Pearl Street, while the other sump is located in the room adjacent to the former compressor room. Dark purple sludge was observed in the exterior sump, while liquid within the interior sump was frozen at the time of the field investigation.

Lastly, 10 step-down transformers that may contain PCBs were observed inside the building. Additionally, numerous fluorescent lighting fixtures that are equipped with ballasts that are likely to contain PCBs were identified in the building. No evidence of leaks or discharges was noted in connection with the transformers or ballasts. Federal regulations require that PCB ballasts are properly transported to, and disposed of in, a Toxic Substance Control Act (TSCA) approved disposal facility upon removal from service. In addition to these potentially PCB-containing transformers and light ballasts, two (2) mercury switches were also identified in the building, and will require proper disposal and/or recycling. Additional transformers, light ballasts and switches may also be present in inaccessible areas of the building.

6.4 Contamination Assessment

Analytical data resulting from this investigation indicated the absence of facility-derived groundwater contamination, but the presence of contaminated fill along the southern and western margins of the site, in the vicinity of the former rail siding; and contaminated sediment and sludge in on-site drains and sumps. Contamination was not detected in stormwater exiting the site via the storm sewer that extends beneath the building, or in sediment within the unnamed tributary to Slippery Rock Creek to which this storm sewer discharges. Significant quantities of asbestos-containing materials (ACMs) were, however, identified in the building.

Contaminants detected in the fill material at concentrations that exceeded NYSDEC recommended cleanup objectives consisted of polycyclic aromatic hydrocarbons (PAHs). The presence of these compounds is likely reflective of the composition of the fill material and/or the result of incidental petroleum leaks from rail cars formerly used in this area. Based upon the properties of the PAHs detected and the physical site conditions, these compounds are not expected to impact groundwater quality or migrate significantly in the subsurface. Furthermore, the presence of these compounds is not interpreted to represent a significant human exposure risk under current and future use scenarios for the property because no complete exposure pathways were identified. Although the potential for human exposure during construction activities involving the disturbance of the contaminated fill has been identified, the risk of exposure could be effectively minimized through the use of appropriate personal protective equipment and dust suppression techniques.

Contaminants detected in the on-site sediment and sludge samples at concentrations that exceeded NYSDEC recommended cleanup objectives include PAHs, PCBs, and several metals, including mercury. The PAHs and PCBs likely resulted from poor housekeeping practices, spills and/or releases of new and used petroleum products and transformer fluid to the facility's internal drain system. The metals are likely associated with particulates (e.g., shavings, grindings, etc.) generated during former on-site maintenance and machining activities that were flushed or swept into the drainage system. A likely source of the elevated mercury levels detected in the sediments is mercury released from thermometers and regulators used and maintained in association with the refrigeration system at the former facility. These contaminants have the potential to be released to the ground surface in a publicly accessible area of the site. Therefore, while the contaminated sediments remain on-site, the potential for the exposure of utility workers and the public exists under the current and future use scenarios. Potential human exposure risks were also identified under the demolition/construction scenario, but can likely be effectively minimized through the use of appropriate personal protective equipment and dust suppression techniques.

No site-derived contamination was detected in the storm water exiting the site via the storm sewer, or in the sediment within the unnamed tributary of Slippery Rock Creek into which this storm sewer discharges. However, there is the potential for the release of contaminants to this drainage course as the building continues to deteriorate and the volume of stormwater entering the contaminated, on-site drainage control structures increases. Should contamination be

released to the storm sewer and ultimately to the tributary drainage course, potential human and environmental exposure risks would exist.

The results of the pre-demolition survey of the building for ACMs indicated the presence of significant quantities of thermal system insulation (TSI), roofing materials, and miscellaneous materials (e.g., floor tiles, mastics, etc.) that contains asbestos. Much of the TSI is friable and in poor condition. This has lead to the commingling of TSI residue with debris on the floor in many areas of the building, particularly the boiler rooms, thereby creating asbestos-containing debris. While the non-friable ACMs do not pose a significant health threat, the deteriorated condition of the building coupled with the presence of damaged friable asbestos presents the possibility of asbestos fiber releases via wind currents to the commercial and residential area surrounding the site. As such, members of the public living and working in the site vicinity are at risk of exposure to asbestos fibers.

6.5 Remedial Action Objectives

Based upon the findings of the SI and the anticipated future use of the project site for commercial and/or light manufacturing purposes, the following Remedial Action Objectives (RAOs) have been identified for each of the contaminated-media encountered:

6.5.1 Contaminated Fill

Contaminants of concern in this medium consist of carcinogenic and non-carcinogenic PAHs, the cumulative concentrations of which were below the NYSDEC recommended cleanup objective for total SVOCs of 500,000 ppb. In order to prevent exposure of the public and future site workers to these contaminants via dermal contact, incidental ingestion or inhalation of particulates, the isolation of the fill in the affected area from exposure at the ground surface should be accomplished. No significant risks to groundwater or other environmental resources were identified in connection with the contaminated fill, and the magnitude of the contamination does not warrant active measures to reduce the toxicity of the contaminants given the intended future use of the site. Instead, reduction in toxicity will occur over time via degradation by naturally occurring microbes.

In order to prevent exposure of the public and construction workers to the contaminants in the fill, air monitoring, appropriate personal protective equipment, and dust suppression measures should be employed during redevelopment activities that could disturb the contaminated fill. If, during the course of these activities, gross contamination is encountered in the fill or underlying soil, the contamination should be removed for proper off-site disposal in an appropriately permitted facility.

6.5.2 Contaminated Sediment and Sludge

Contaminants of concern in these media consist of carcinogenic and non-carcinogenic PAHs, PCBs, which are probable human carcinogens, and metals. For protection of

human health, the RAO is to prevent dermal contact with, incidental ingestion of, or inhalation of particulates originating from, the contaminated sediment. The RAO for environmental protection is the prevention of the release of contaminated sediments from the drainage system that could result in the degradation of surface water quality below ambient water quality standards. Based upon the age and undefined configuration of the drainage system, these RAOs will likely be best achieved via the removal and proper off-site disposal of the drainage system and contaminated sediments and sludge contained therein. The demolition and removal of significant portions of the building appears to be necessary to enable this response action to take place.

6.5.3 Building Materials/Surfaces

Damaged, friable ACMs constitute the primary concern relative to building materials and surfaces. The RAO for protection of human health relative to ACMs is the prevention of the inhalation or incidental ingestion of asbestos fibers. Asbestos abatement will be required prior to, or in connection with, building demolition, and is therefore, the most suitable approach for achieving this RAO.

6.5.4 Equipment

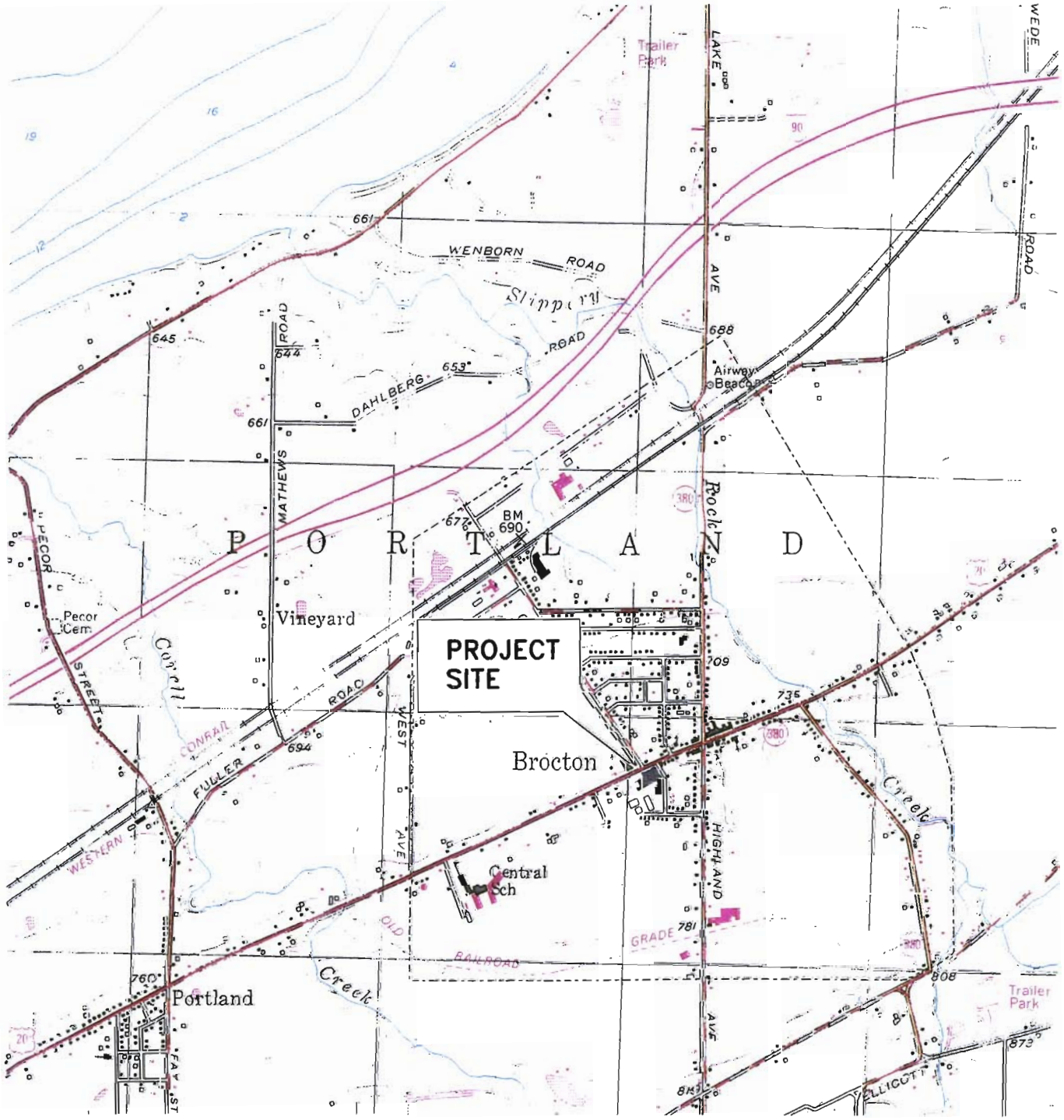
The potential occurrence of PCBs within electrical equipment installed in the building, as well as the presence of mercury in switches within the building are the primary concern relating to equipment. The RAO for protection of human health and the environment is the prevention of the release of contaminants from this equipment. The removal and proper recycling or disposal of this equipment will be necessary prior to building demolition, and, therefore, is the most suitable approach to achieving this objective.

6.6 Remedial Alternatives

The general response actions identified above for each medium of interest are refined and applicable remedial technologies are screened, analyzed and comparatively evaluated in the Remedial Alternatives Report (RAR). The RAR culminates in the identification of the remedy that best satisfies the RAOs identified above.

FIGURES

NUMBERS 1- 8



SITE LOCATION MAP

TVGA ENGINEERING, SURVEYING, P.C.
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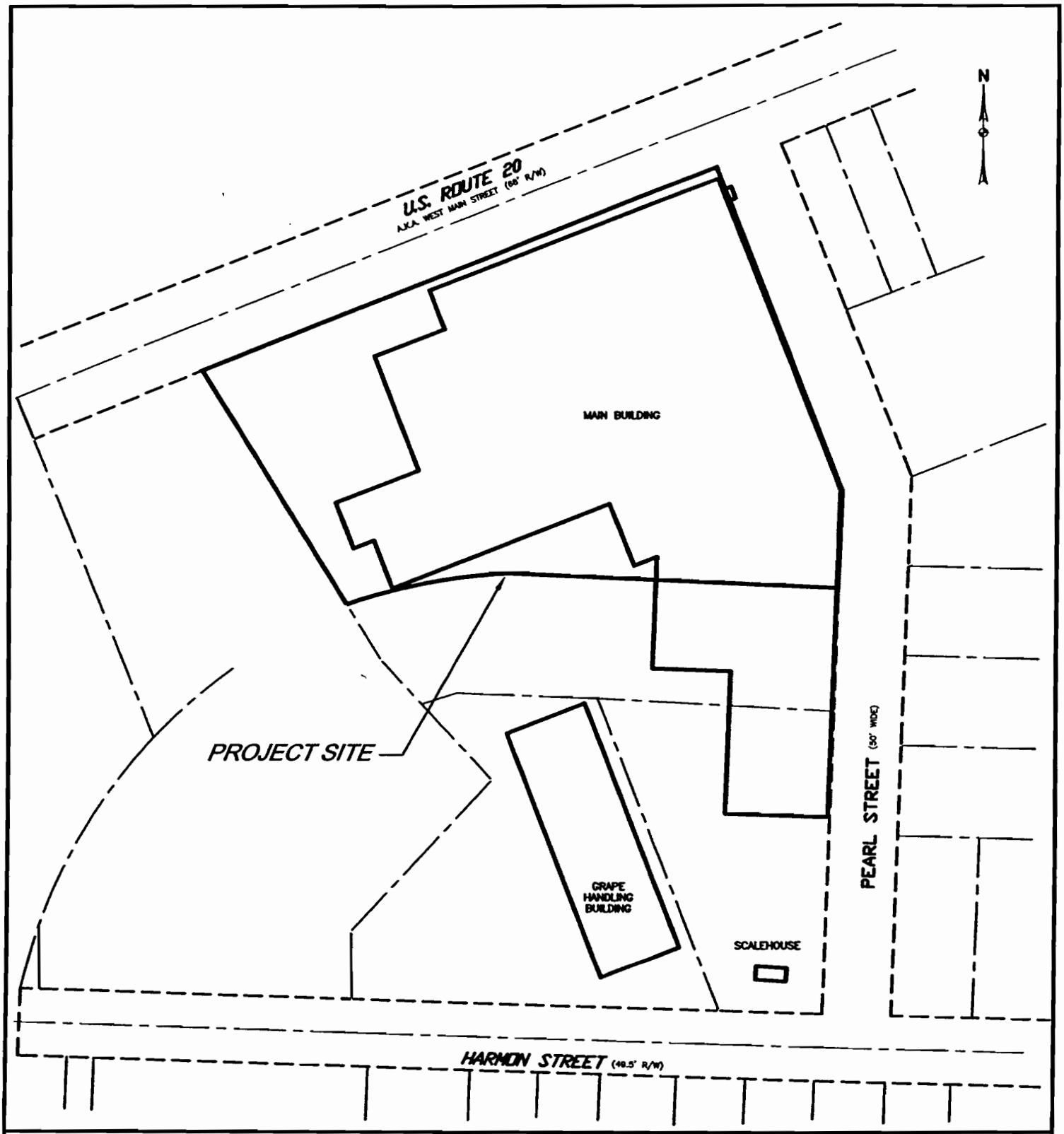
SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
FORMER WELCH FOODS, INC. SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

PROJECT NO. 200403	SCALE: NOT TO SCALE	DATE: 4/14/00	**FIGURE NO. 1**



SITE PLAN

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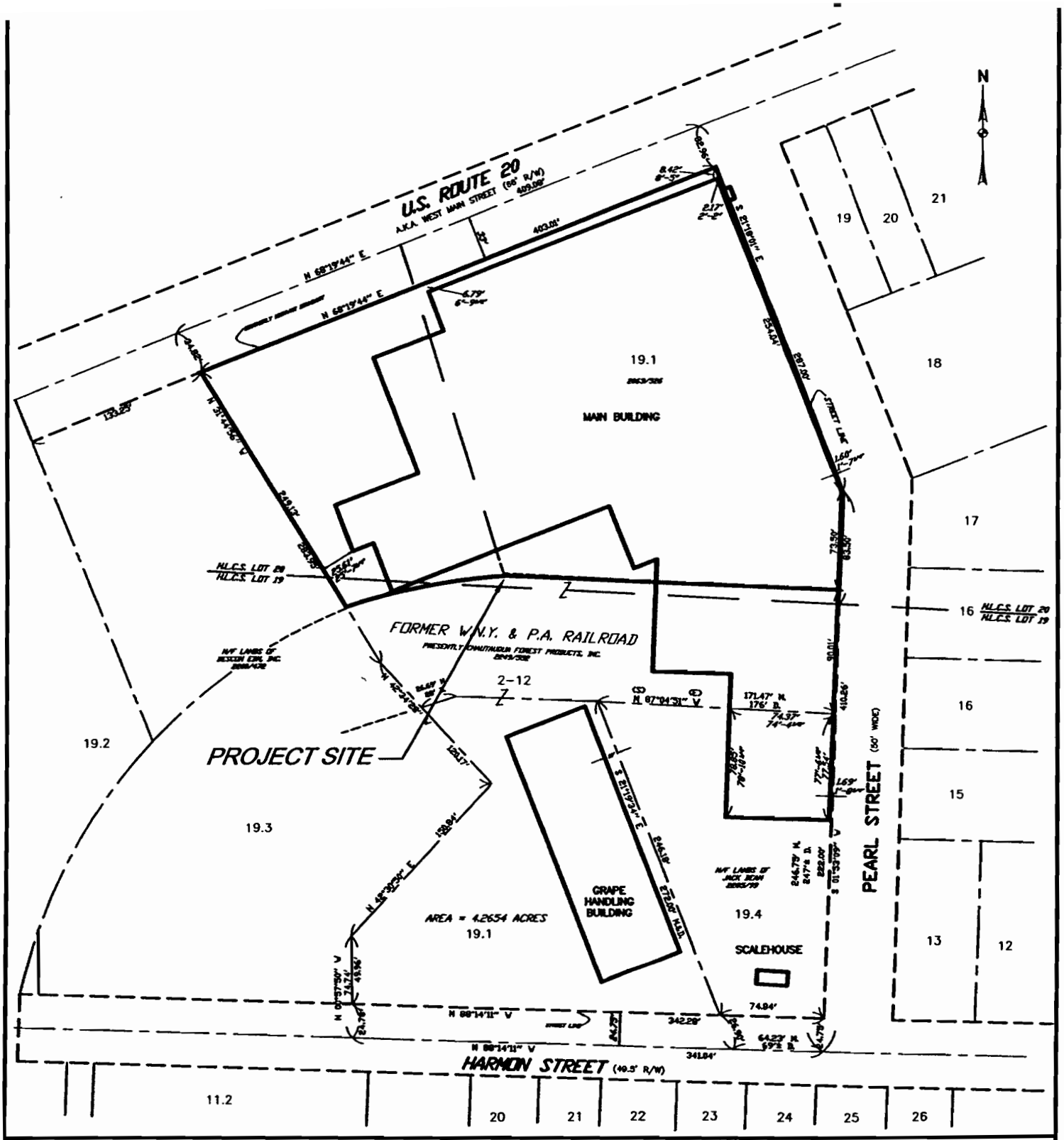
SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
FORMER WELCH FOODS, INC. SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

PROJECT NO. 200403	SCALE: NOT TO SCALE	DATE: 10/26/00	FIGURE NO. 2



TAX MAP

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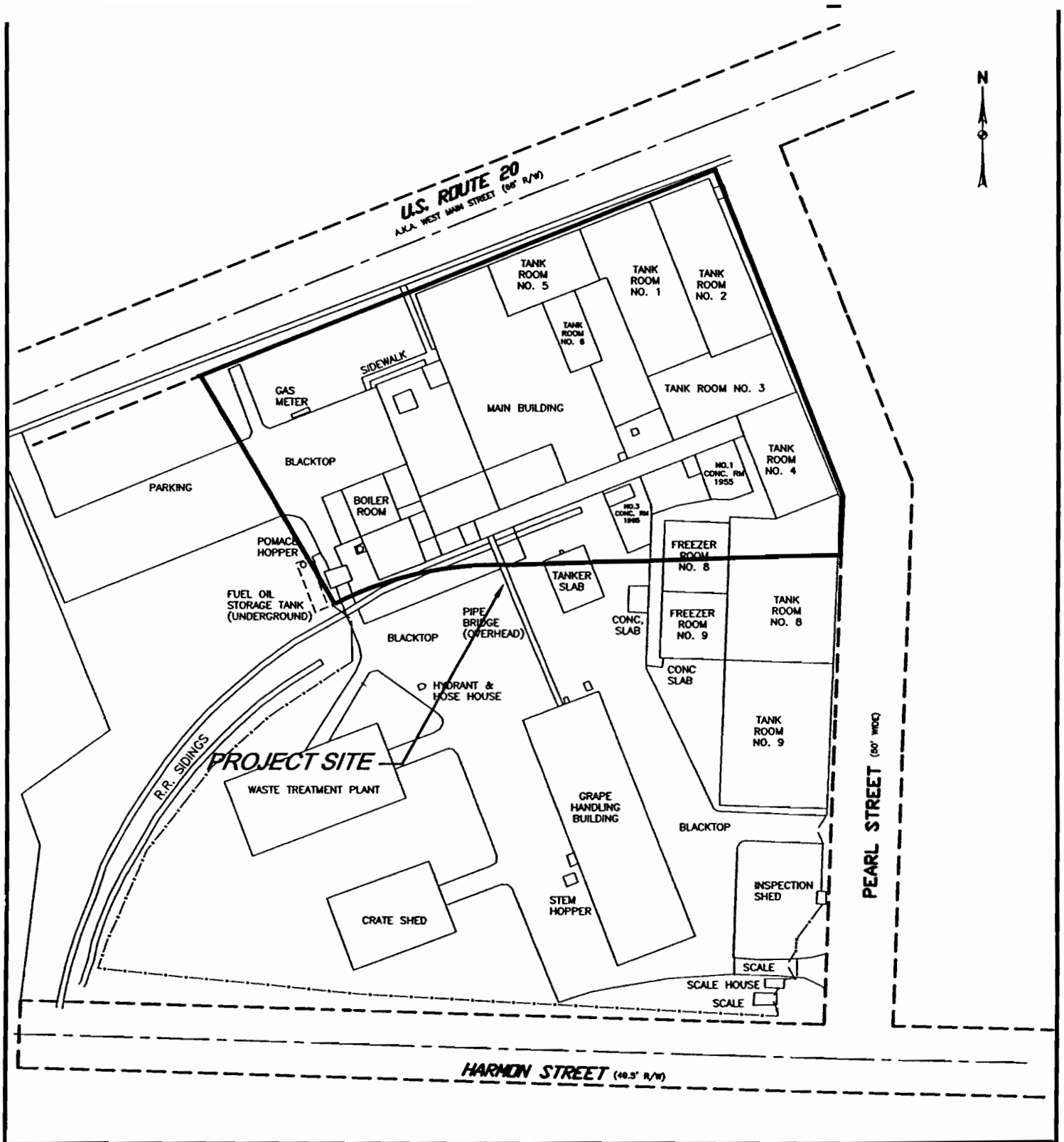
FORMER WELCH FOODS, INC. SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

PROJECT NO. 200403	SCALE: NOT TO SCALE	DATE: 10/26/00	FIGURE NO. 3



HISTORICAL FACILITY PLAN

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SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
FORMER WELCH FOODS, INC. SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

PROJECT NO. 200403	SCALE: NOT TO SCALE	DATE: 10/26/00	FIGURE NO. 4

U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET

N 68°19'44" E
409.08'
376.35'
403.01'
370.28'
225.12'
58.20'
54.73'
65.10'
36.16'
15.47'
37.25'
169.52'
49.26'
18.00'
82.40'
161.96'
128.48'
S 31°44'56" E
202.68'
N 31°44'56" W
283.95'
46.45'
287.00'
S 21°18'01" E
254.04'
228.25' (BUILDING DIM.)
73.50'
83.30'
239.90' (BUILDING DIM.)
32.73'
34.82'
33.48'
32.93'
3 FT. CHAIN LINK
HEDGE
8" CONC CURB
O.H.W.
CONCRETE WALK
CONC
SIGN
WV
WHEEL CHAIR RAMP
END OF CURB
EDGE OF PAVEMENT
GREEN AREA BETWEEN
PEARL STREET
BRICK, CONCRETE BLOCK, METAL & TILE BUILDING
H.L.C.S. LOT 20
H.L.C.S. LOT 19
FORMER W.N.Y. & P.A. RAILROAD
NORTHERLY LINE OF LANDS NOW OR FORMERLY OF THE W.N.Y. & P.A. RAILROAD

SANITARY MH
RIM: 750.09
8" PVC W. INV 747.64
8" PVC S. INV 747.74

SANITARY MH
RIM: 743.51
8" PVC S. INV 736.66
8" PVC S. INV 739.24
8" PVC E. INV 736.61

MW 5
GROUND EL. 744.49
TOP OF CASING EL. 744.06

MW 6
GROUND EL. 749.33
TOP OF CASING EL. 748.97

2.5' X 2.5' SUMP
RIM EL. 744.59

CATCH BASIN
RIM: 745.70
12" CMP N. INV 743.80
12" CMP S. INV 744.10

TEST BORE 5
ELEV: 747.63

STORM MH
RIM: 748.91
18" TILE N.E. INV 742.73
18" TILE S.W. INV 742.79

CATCH BASIN
RIM: 751.02
12" CMP N. INV 749.22
12" CMP S. INV 749.12

MW 4
GROUND EL. 752.73
TOP OF CASING EL. 752.42

CATCH BASIN
RIM: 755.84
12" CMP N. INV 753.99
12" CMP S. INV 753.97

SANITARY MH
RIM: 756.40
8" PVC N. INV 752.00
8" PVC S. INV 752.02

CONCRETE STEP

TEST BORE 4
ELEV: 758.29

TEST BORE 1
ELEV: 757.50

MW 1
GROUND EL. 758.23
TOP OF CASING EL. 757.9

TEST PIT 1
EL. 759.31

TEST PIT 2
EL. 759.57

TEST PIT 1
EL. 759.24

TEST PIT 2
EL. 759.66

TEST PIT 3
EL. 760.13

TEST BORE 2
ELEV: 759.57

TEST PIT 3
EL. 759.46

MW 3
GROUND EL. 759.44
TOP OF CASING EL. 759.12

TEST PIT 4
EL. 758.47

TEST PIT 4
EL. 759.01

TEST PIT 5
EL. 757.65

TEST PIT 5
EL. 758.32

24"ø CATCH BASIN
RIM EL. 758.50

TEST PIT 6
EL. 758.88

TEST PIT 6
EL. 759.01

WOOD DEBRIS PILE

CATCH BASIN
RIM EL. 758.35
SUMP EL. 756.05
(FILLED WITH SNOW)

MW 2
GROUND EL. 760.23
TOP OF CASING EL. 758.88

3.25 X 3.25
CATCH BASIN
ELEVATION NOT
DETERMINED

LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

MONITORING WELL COORDINATE TABLE

*SEE MAP FOR ELEVATIONS

MONITORING WELL	NORTHING	EASTING
MW1	9752.43	10216.72
MW2	9678.64	10440.21
MW3	9627.88	10248.74
MW4	9807.60	10562.82
MW5	9970.64	10488.82
MW6	9898.46	10299.25

GENERAL NOTES:

1. ALL ELEVATIONS BASED ON BENCHMARK ELEVATION AS SHOWN ON HARNISH & LOOKUP ASSOCIATES WATER POLLUTION CONTROL FACILITIES PROJECT. JOB NO. 80-20330.6 CONTRACT 3, SHEET NO. 10 BENCHMARK NUMBER 47, (N.W. BOLT) ON HYDRANT LOCATED BETWEEN HOUSE NO.'S 64 & 66 WEST MAIN STREET (SOUTH SIDE) EL. = 750.52
2. SOME CURBS, DRIVES, STRUCTURES, ETC. NOT LOCATED DUE TO SEVERE ICE AND SNOW CONDITIONS.
3. BEFORE DIGGING THE CONTRACTOR SHOULD CONSULT THE VARIOUS UTILITY COMPANIES AND MUNICIPAL AUTHORITIES.
4. ALL BEARING REFERENCES TAKEN FROM A BOUNDARY SURVEY PREPARED MICHAEL J. RODGERS LAND SURVEYOR, P.C. F.B. P56, PG02, DATED 11/17/2000
5. FOR COMPLETE BOUNDARY INFORMATION SEE SURVEY PREPARED BY MICHAEL J. RODGERS LAND SURVEYOR, P.C. F.B. P56, PG02, DATED 11/17/2000
6. COORDINATE VALUES FOR MONITORING WELLS BASED ON AN ASSUMED COORDINATE SYSTEM RELATED TO THE ABOVE MENTIONED BEARING SYSTEM.

5/24/01 - REVISED MONITORING WELL ELEVATIONS

TOPOGRAPHIC SURVEY

SCALE 1"= 40'

FIGURE 5 JOB NUMBER 200403

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U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET

PEARL STREET

FORMER W.N.Y. & P.A. RAILROAD

UTILITY POLE
O.H.W.
8" CONC. CURB
GUY WIRE
CONCRETE WALK
SIGN
BUSH
SUMP
C.B.
MW01
MW02
MW03
MW04
MW05
MW06
SP01
SP02
SP04
SP05
SP06
SS01
TB01
TB02
TB03
TB04
TB05
TP01
TP02
TP03
TP04
TP05
TP06
TR01
TR02
TR03
TR04
DR01
F.D.
UP
CONC.
5' FT. CHAIN LINK
TRENCH DRAIN
UNEXCAVATED
PRESS PLATFORM
JUICE COLLECTION
BOILER ROOM
COAL POCKET
GREASE RM
PAINT RM.
STORES
MACHINE SHOP
COLD STORAGE OVERNITE
INDUSTRIAL FILTER
COOLING PLATFORM
COOLING RM
COMPRESSOR RM.
COLD STORAGE #5
COLD STORAGE #6
STORAGE
TRANSFORMER ROOM
CONC. RM.
FREEZER RM.
53 TANK RM.
TANK #1
TANK #2
TANK #3
TANK #4
TANK #5
TANK #6
TANK #7
TANK #8
TANK #9
TANK #10
TANK #11
TANK #12
TANK #13
TANK #14
TANK #15
TANK #16
TANK #17
TANK #18
TANK #19
TANK #20
TANK #21
TANK #22
TANK #23
TANK #24
TANK #25
TANK #26
TANK #27
TANK #28
TANK #29
TANK #30
TANK #31
TANK #32
TANK #33
TANK #34
TANK #35
TANK #36
TANK #37
TANK #38
TANK #39
TANK #40
41
42
43
44
SUMP PUMP
STORM SEWER
RR SWITCH
WOOD DEBRIS PILE
CONCRETE STEP
HYDRANT
GREEN AREA BETWEEN
EDGE OF PAVEMENT

LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

MONITORING WELL COORDINATE TABLE

*SEE MAP FOR ELEVATIONS

MONITORING WELL	NORTHING	EASTING
MW1	9752.43	10216.72
MW2	9678.64	10440.21
MW3	9627.88	10248.74
MW4	9807.60	10562.82
MW5	9970.64	10488.82
MW6	9898.46	10299.25

FORMER WELCH FOODS, INC.
SITE 54 WEST MAIN STREET
BROCTON, NEW YORK

SCALE 1"= 40'

BASEMENT

FIGURE NO. 6
SAMPLE LOCATION PLAN

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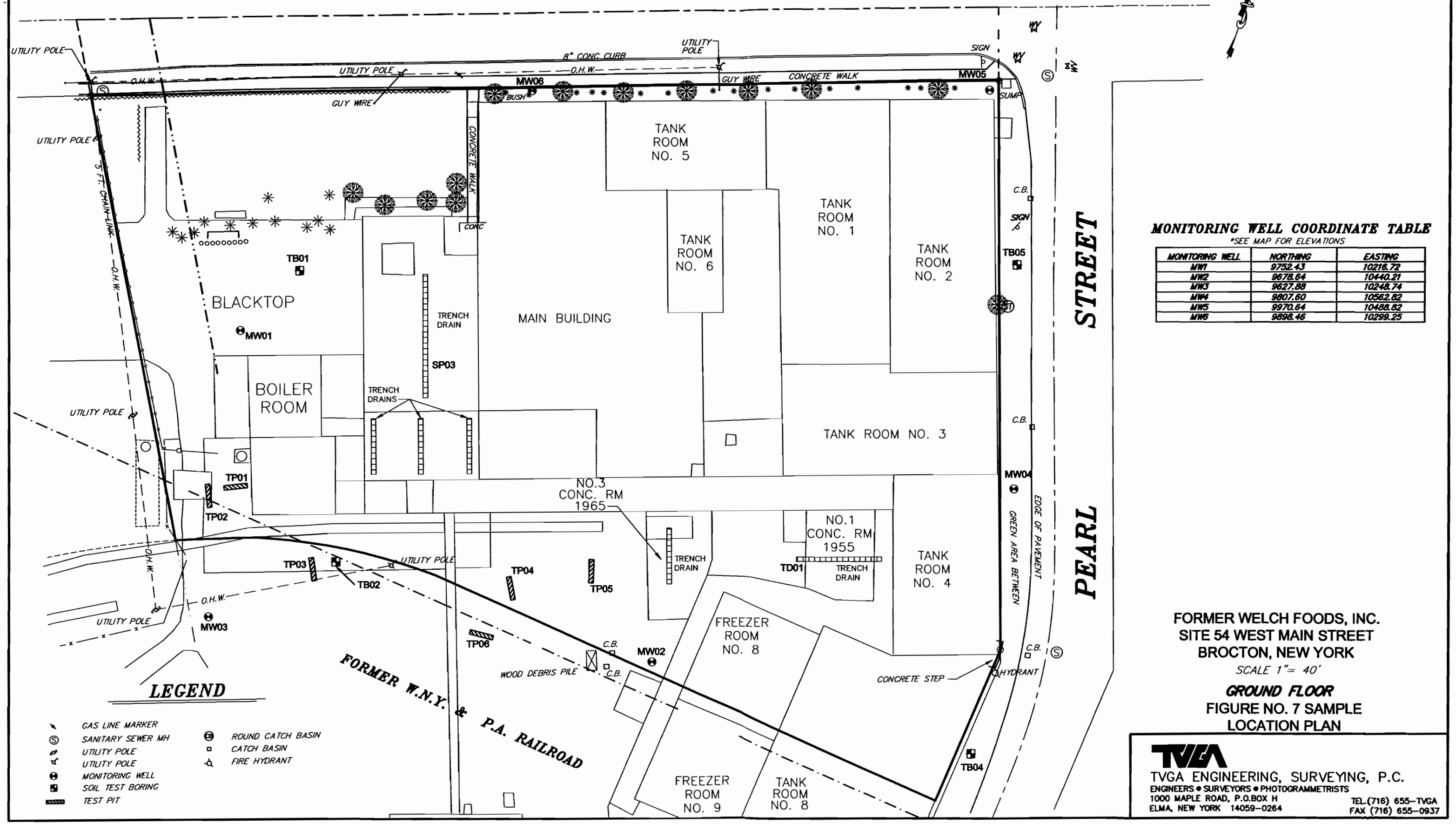
U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET



LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

MONITORING WELL COORDINATE TABLE

*SEE MAP FOR ELEVATIONS

MONITORING WELL	NORTHING	EASTING
MW1	9752.43	10216.72
MW2	9678.64	10440.21
MW3	9827.88	10248.74
MW4	9807.60	10562.82
MW5	9970.64	10488.82
MW6	9898.46	10299.25

FORMER WELCH FOODS, INC.
SITE 54 WEST MAIN STREET
BROCTON, NEW YORK

SCALE 1"= 40'

GROUND FLOOR

FIGURE NO. 7 SAMPLE LOCATION PLAN

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U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET

N 68°19'44" E 409.08'

376.35'

32.73' 34.82' 33.48'

8" CONC CURB

O.H.W.

403.01'

CONCRETE WALK

WHEEL CHAIR RAMP

SIGN

HEDGE

370.28'

225.12'

MW 5
GROUND EL. 744.49
TOP OF CASING EL. 744.06
TOP OF GW 729.40

MW 6
GROUND EL. 749.33
TOP OF CASING EL. 748.97

58.20'

CONCRETE WALK

CONC

54.73'

755.25 755.27 755.31

5 FT. CHAIN LINK

O.H.W.

N 31°44'56" W 283.95'

S 31°44'56" E 128.48' 161.96'

TEST BORE 1
ELEV: 757.50

62.40'

MW 1
GROUND EL. 758.23
TOP OF CASING EL. 757.9
TOP OF GW 743.94

758.94

65.10'

202.68'

36.16'

759.02 15.47' 758.81

H.L.C.S. LOT 20
H.L.C.S. LOT 19

TEST PIT 1
EL. 759.31

TEST PIT 1
EL. 759.24

TEST PIT 2
EL. 759.57

32.85'

759.69

TEST PIT 3
EL. 760.13

TEST BORE 2
ELEV: 759.57

169.52'

TEST PIT 2
EL. 759.66

46.45'

O.H.W.

MW 3
GROUND EL. 759.44
TOP OF CASING EL. 759.12
TOP OF GW 743.31

TEST PIT 3
EL. 759.46

TEST PIT 4
EL. 758.47

TEST PIT 6
EL. 758.88

TEST PIT 6
EL. 759.01

WOOD DEBRIS PILE

TEST PIT 5
EL. 757.65

24"ø CATCH BASIN
RIM EL. 758.50

TEST PIT 4
EL. 759.01

758.69

49.25'

TEST PIT 5
EL. 758.32

759.34 18.00' 759.56

MW 2
GROUND EL. 760.23
TOP OF CASING EL. 759.88

82.50'

NORTHERLY LINE OF LANDS NOW OR FORMERLY OF THE W.N.Y. & P.A. RAILROAD

FORMER W.N.Y. & P.A. RAILROAD

GROUNDWATER FLOW DIRECTION

TEST BORE 3
ELEV: 747.63

MW 4
GROUND EL. 752.73
TOP OF CASING EL. 752.42
TOP OF GW 730.99

730 731 732 733 734 735 736 737 738 739 740 741 742 743

S 21°18'01" E 287.00'

EDGE OF PAVEMENT

254.04'

228.25' (BUILDING DIM.)

239.90' (BUILDING DIM.)

73.50'

83.50'

GREEN AREA BETWEEN

TEST BORE 4
ELEV: 758.29

PEARL STREET

LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

GROUNDWATER ELEVATION TABLE

*SEE MAP FOR ELEVATIONS

MONITORING WELL	TOP OF CASING	DEPTH TO WATER	GW ELEVATION
FWS MW1	757.90	13.96	743.94
FWS MW2	757.88	DRY	NA
FWS MW3	759.12	15.81	743.31
FWS MW4	752.42	21.43	730.99
FWS MW5	744.06	14.66	729.40
FWS MW6	748.97	DRY	NA

FORMER WELCH FOODS, INC.
SITE 54 WEST MAIN STREET
BROCTON, NEW YORK

SCALE 1"= 40'

FIGURE 8

GROUNDWATER CONTOUR MAP

JOB NUMBER 200403

8/01/01-REVISED MONITORING WELL ELEVATIONS

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TABLES

NUMBERS 1-13

Table 1
Former Welch Foods Site SI/RAR
Sampling/Analysis Summary

Media	Source	Parameter	Method	Sample Identification	Location	Date
Subsurface Soil	Soil Borings 1-10	TCL Volatiles	ASP 95-1	FWS-MW04-BC-O	Pearl St.	12/21/00
		TCL Semi Volatiles	ASP 95-2	FWS-TB01-H-O	N. of Boiler Room	12/18/00
		TCL Pesticides/PCBs	ASP 95-3	FWS-MW01-C-O	N. of Boiler Room	12/18/00
		TAL Metal (CN by ASP)	ASP	FWS-MW03-I-O	RR ROW to S. of bldg.	12/19/00
				FWS-MW02-B-O	S. of Conc. Room	12/19/00
				FWS-TB04-I/S-O *	Pearl St.(S.)	12/20/00
				FWS-TB02-A/B-O	S. of Boiler Room	12/20/00
				FWS-TB05-DEF-O	Pearl St. (N.)	12/21/00
				FWS-TB05-DEF-O-MS	"	12/21/00
				FWS-TB05-DEF-O-MSD/DUP	"	12/21/00
				FWS-MW05-C-O	Main & Pearl	12/26/00
				FWS-MW06-F-O	Main St.	12/26/00
	Off-Site Surface	TAL Metal (CN by ASP)	ASP	FWS-12HARMON-S-O	SE of Pearl and Harmon Inters.	8/1/01
				FWS-37MAIN-S-O	NE Corner of Liabrary	8/1/01
				FWS-37MAIN-S-O-MS/MD	NE Corner of Liabrary	8/1/01
Soil	Test Pits	Volatiles STARS List	EPA SW-846 8021	FWS-TP-01-4	Near Boiler Room	12/22/00
		Semi-Volatiles STARS Lis	EPA SW-846 8270	FWS-TP-01-4-MS	"	12/22/00
				FWS-TP-01-4-MS/DUP	"	12/22/00
				FWS-TP-02-4	Near Boiler Room	12/22/00
				FWS-TP-03-1	Near Coal Chute	12/22/00
				FWS-TP-04-4	S. of Transformer Room	12/22/00
				FWS-TP-05-1	S. of Transformer Room	12/22/00
				FWS-TP-06-1	RR ROW	12/22/00
Groundwater	Monitoring Wells	TCL Volatiles	ASP 95-1	FWS-MW01-OB-GW-O	N. of Boiler Room	1/9/01
		TCL Semi Volatiles	ASP 95-2	FWS-MW01-MS	"	1/9/01
		TCL Pesticides/PCBs	ASP 95-3	FWS-MW01-MS/DUP	"	1/9/01
		TAL Metal (CN by ASP)	ASP	FWS-MW03-GW-OB-O	RR ROW to S. of bldg.	1/10/01
				FWS-MW03-GW-OB-FD	"	1/10/01
				FWS-MW04-OB-GW-O	Pearl St.	1/15/01
				FWS-MW04-OB-GW-O-RS**	Pearl St.	8/1/01
				FWS-MW05-OB-GW-O	Main & Pearl	1/15/01
Sediment	Sumps/Drains/Outfall	TCL Volatiles	ASP 95-1	FWS-DR01-SED-O	Machine Shop	1/15/01
		TCL Semi Volatiles	ASP 95-2	FWS-SP05-SED-O	Compressor Room	1/15/01
		TCL Pesticides/PCBs	ASP 95-3	FWS-SP05-SED-O-MS	"	1/15/01
		TAL Metal (CN by ASP)	ASP	FWS-SP05-SED-O-MS/DUP	"	1/15/01
				FWS-TD01-SED-O	Concentrate Room	1/15/01
				FWS-SP01-SED-O	Juice Collection Room	1/3/01
				FWS-SP01-SED-O-MS	"	1/3/01
				FWS-SP01-SED-O-MS/DUP	"	1/3/01
				FWS-SP02-SED-O	Cooling Room	1/3/01
				FWS-SP03-SED-O	Near Boiler Room	1/3/01
				FWS-SSO01-SED-O	Unnamed Tributary	8/1/01
Stormwater	Storm Sewer	TCL Volatiles	ASP 95-1	FWS-SS-01-STW-O	Pearl St.	1/10/01
		TCL Semi Volatiles	ASP 95-2			
		TCL Pesticides/PCBs	ASP 95-3			
		TAL Metal (CN by ASP)	ASP			
Sludge	Sump	Ignitabliity	EPA SW-846 1010	FWS-SP06-SLG-O	Storage near Concentrate Room	1/15/01
		Reactivity	EPA SW-846 7.3	FWS-SP04-SLG-O	Main & Pearl St.	1/10/01
		Corrosivity	EPA SW-846 9040			
		Full TCLP	Extract by Method 1311			
		PCBs	EPA SW-846 8082			

Table 1
Former Welch Foods Site SI/RAR
Sampling/Analysis Summary

Media	Source	Parameter	Method	Sample Number	Location	Date
Wastewater	Sump	BOD	EPA 600 Series 405.1	FWS-SP06-WW-O	Storage near Concentrate Room	1/15/01
		COD	EPA 600 Series 410	FWS-SP04-WW-O	Main & Pearl St.	1/10/01
		TSS	EPA 600 Series 160.2			
		pH	EPA 600 Series 150.1			
Building Material	Misc. Building Materials	Asbestos (Friable)	PLM By EPA 600/R-93	Various	Various	Various
		Asbestos (NOB)	PLM By EPA 600/R-93			
		Asbestos (NOB)	TEM By NYSDOH 198.4			
Concrete	Concrete Floor	PCBs	EPA SW-846 8082	FWS-TR01-CC-O	Transformer Room	1/15/01
				FWS-TR02-CC-O	Transformer Room	1/15/01
				FWS-TR03-CC-O	Transformer Room	1/15/01
				FWS-TR04-CC-O	Transformer Room	1/15/01
Other	Split Spoon Rinse	TCL Volatiles	ASP 95-1	FWS-SS-RINSE		12/21/00
		TCL Semi Volatiles	ASP 95-2			
		TCL Pesticides/PCBs	ASP 95-3			
		TAL Metal (CN by ASP)	ASP			
	Pump Rinse	TAL Metal (CN by ASP)	ASP	FWS-PUMP RINSE	Perisaltic Pump before use	8/1/01
Other	Laboratory Blanks	TCL Volatiles	ASP 95-1	HOLDING BLANK #1		12/20/00
				TRIP BLANK		12/21/00
				HOLDING BLANK #2		12/26/00
				TRIP BLANK #1		1/9/01
				HOLDING BLANK		1/11/01
				TRIP BLANK #2		1/10/01
				FWS-TB01 (trip blank)		1/15/01
				FWS-TB02 (trip blank)		1/15/01
				HOLDING BLANK		1/3/01

Methods 95-1, 95-2, 95-3 - NYSDEC Analytical Services Protocol (10/95)
Methods 6000, 7000, 8021, 8270, 8082, 1010, 7.3, 9040, 1311, are EPA SW-846 Methods
Methods 405.1, 410.4, 160.2, 150.1 are EPA Water/Wastewater Series 600 Methods
TCLP extraction liquid analyzed by EPA Methods 6010, 7470, 8081, 8151, 8260, and 8270
Sample should be identified as FWS-TB04-I/J-O
** FWS-MW04-OB-GW-O-RS was analyized only for TAL Metals (CN by ASP)

Table 2
Former Welch Foods Site SI/RAR
Soil Borings - Organic Analysis Summary

PARAMETER	CONCENTRATION (ppb)										RECOMMENDED SOIL CLEANUP OBJECTIVES * (ppb)
	FWS-TB01-H (14-16')	FWS-TB02-A/B (0-4')	FWS-TB04-I/J (16-20')	FWS-TB05-DEF (6-12')	FWS-MWO1-C (4-6')	FWS-MW02-B (2-4')	FWS-MW03-I (16-18')	FWS-MW04-B/C (2-6')	FWS-MW05-C (4-6')	FWS-MW06-F (10-12')	
Semivolatile Organic Compounds (Detected Compounds Only)											
ACENAPHTHENE		210 j				74 j					50,000
ACENAPHTHYLENE		320 j									41,000
ANTHRACENE		880 j				130 j					50,000
BENZO (A) ANTHRACENE		**5,200**				**340 j**		58 j			224 or MDI
BENZO (B) FLUORANTHENE		**7,500**				480		57 j			1,100
BENZO (K) FLUORANTHENE		**3,100**				190 j					1,100
BIS (2-ETHYLHEXYL) PHTHALATE	180 j		110 j,b	64 j,b	69 j	220 j	68 j	48 j		43 j	50,000
BENZO (A) PYRENE		**4,700**				**320 j**		44 j			61 or MDI
BENZO (G, H, I,) PERYLENE		1,600 j				120 j					50,000
CARBAZOLE		330 j				63 j					NA
CHRYSENE		**4,900**				380		56 j			400
DIBENZO (A,H) ANTHRACENE		**430 j**									14 or MDI
INDENO (1,2,3-CD) PYRENE		2,300				150 j					3,200
FLUORANTHENE		8,100				580		120 j			50,000
FLUORENE		390 j									50,000
2-METHYLNAPTHALENE						100 j					36,400
NAPHTHALENE		230 j				69 j					13,000
PHENANTHRENE		4,500				620		110 j			50,000
PYRENE		9,800				800		110 j			50,000
SUM of SVOCs	180	54,490	110	64	69	4,636	68	603	0	43	500,000
INDIVIDUAL SVOCs EXCEED MAX.	0 cmpds	0 cmpds	0 cmpds	0 cmpds	0 cmpds	0 cmpds	0 cmpds	0 cmpds	0 cmpds	0 cmpds	50,000
Volatile Organic Compounds (Detected Compounds Only)											
ACETONE	12 j,b		8 j,b	9 j,b	9 j,b	6 j,b	15 b	7 j,b	10 j,b	10 j,b	200
CARBON DISULFIDE						3 j					2700
METHYLENE CHLORIDE		7 j,b				5 j,b			4 j,b	5 j,b	100
TOLUENE		5 j,b		2 j,b							1,500
p-XYLENE/m-XYLENE		5 j									1,200
SUM of VOCs	12	17	8	11	9	14	15	7	14	15	10,000

NOTES:
* Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Available
u or ND = Not Detected
R = Rejected by validator
Bolded/boxed values exceed the regulatory guidance levels

Table 3
Former Welch Foods Site SI/RAR
Soil Borings - Inorganic Analysis Summary

PARAMETER	CONCENTRATION (ppm)										SITE BACKGROUND		RECOMMENDED
	FWS-TB01-H (14-16')	FWS-TB02-A/B (0-4')	FWS-TB04-I/J (16-20')	FWS-TB05-DEF (6-12')	FWS-MWO1-C (4-6')	FWS-MW02-B (2-4')	FWS-MW03-I (16-18')	FWS-MW04-B/C (2-6')	FWS-MW05-C (4-6')	FWS-MW06-F (10-12')	FWS-12HARMON (0'-0.5')	FWS-37MAIN (0.5'-1')	SOIL CLEANUP OBJECTIVES * (ppm)
INORGANICS													
Cyanide, Total	ND	2.04	ND	ND	ND	1.07	ND	ND	ND	u,j	u,j	u,j	(1)
Aluminum	8,190	8,620	10,100	**11,400**	9,640	**10,900**	**12,800**	9,840	6,480	**10,900**	10,800	7,590	SB
Antimony	u,j	u,j	u,j	u,j	u,j	4.14 b	u,j	u,j	u,j	u,j	u,j	4.85 j,b	SB
Arsenic	10	7.6	**12**	8.5	7.3	4	**13**	5.8	6.6	7.1	6.7	10	7.5 or SB
Barium	57.5	58.5	**126**	116	53.1	87.1	77	46.7	25.7	72	123	67.3	300 or SB
Beryllium	0.384 b	**0.596**	**0.536**	**0.602**	0.443 b	**0.779**	**0.694**	0.465 j	0.315 j,b	**0.527 j**	0.485	0.452	0.16 or SB
Cadmium	ND	0.733 j	0.671 j	u,j	ND	**1.44**	0.499 b	0.428 j,b	0.485 j,b	R	0.637	1.23	1 or SB
Calcium	**1,830**	**5,990**	**9,520**	1,640	1,140	**38,000**	1,260	**3,110**	1,040	**3,130**	1,450	1,790	SB
Chromium	7.76	7.45 j	8.6 j	**11 j**	7.57	**9.69**	**12.3**	8.4 j	5.83	**12.4**	8.38	8.95	10 or SB
Cobalt	**8.5**	5.88	**12.4**	**14.8**	**8.31**	**8.7**	**12.7**	**7.88 j**	**8.25 j**	**11 j**	6.6	6.5	30 or SB
Copper	**34.5**	**32.2**	**38.1**	**34.8**	**31.9**	**71.8**	24.9	24.2 j	26.8 j	**32.3 j**	15.5	29.2	25 or SB
Iron	**20,600**	**21,400**	**31,700**	**33,200**	**23,100**	**38,600**	**38,700**	**22,600**	17,200	**29,200**	19,000	20,200	2,000 or SB
Lead	18	37	15	20 j	9.8	19	12	14	13	**14**	73.9	224	SB
Magnesium	**2,590**	**2,120**	**5,870**	**3,830**	**3,370**	**3,710**	**4,720**	**2,910**	2,060	**3,800**	1,840	2,080	SB
Manganese	**683**	469	459	**787**	374	634	577	272 j	205 j	389 j	639	342	SB
Mercury	0.014	0.052	ND	0.033	0.017	ND	ND	0.039	0.017	0.017	0.055	0.066	0.1
Nickel	**21.9**	16.3	**27.9**	**33.2**	**21.7**	**51.3**	**33.7**	**20.6 j**	**20.7 j**	**27.7 j**	16.5	18.6	13 or SB
Potassium	**1,100 j**	**909 j**	**1,320 j**	**1,410 j**	**1,080 j**	**993 j**	**1,900 j**	**922 j**	**975 j**	**1,620 j**	559	729	SB
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	u,j	ND	0.29 b	2 or SB
Silver	u,j	u,j	u,j	u,j	u,j	u,j	u,j	u,j	u,j	u,j	ND	1.49 j	SB
Sodium	**250 b**	**167 b**	**383 b**	**202 b**	**44.6 b**	**143 b**	**85.2**	**146 b**	**152**	**215**	35.9 b	32.2 b	SB
Thallium	**0.76**	0.6 b	**1 b**	**1 b**	0.63 b	**0.77**	**0.79**	0.59 b	**0.7**	**0.7**	0.62 b	0.65 b	SB
Vanadium	11.8	13.1	13.6	15.2	13	10.9	17.8	13.1 j	10.2 j	14.2 j	18.7	14.2	150 or SB
Zinc	82.5	100	144	116	84.4	153	85.3	85.5 j	78.5 j	107 j	107	228	20 or SB

NOTES:
* Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
(1) Site specific form of cyanide must be considered when establishing soil cleanup objective.
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Available
u or ND = Not Detected
R = Rejected by validator
Bolded/boxed values exceed the regulatory guidance levels

Table 4
Former Welch Foods Site SI/RAR
Test Pit Soil - Organic Analysis Summary

PARAMETER	CONCENTRATION (ppb)						RECOMMENDED SOIL CLEANUP OBJECTIVES *
	FWS-TP01 4'	FWS-TP02 4'	FWS-TP03 1'	FWS-TP04 4'	FWS-TP05 1'	FWS-TP06 1'	(ppb)
STARS List Semivolatiles (detected compounds only)							
NAPHTHALENE	2,000 j	u,j	760 j	**18,000 j**	160 j	u,j	13,000
ACENAPHTHYLENE	uj	u,j	u,j	2,000 j	u,j	u,j	41,000
ACENAPHTHENE	2, 200 j	u,j	130 j	8,200 j	u,j	u,j	50,000
FLUORENE	3,100 j	u,j	99 j	16,000 j	u,j	u,j	50,000
PHENANTHRENE	27000 j	u,j	1,600 j	**95,000 j**	380 j	u,j	50,000
ANTHRACENE	5,700 j	u,j	290 j	26,000 j	74 j	u,j	50,000
FLUORANTHENE	26000 j	u,j	2,300 j	**61,000 j**	550 j	u,j	50,000
PYRENE	24000 j	u,j	4,400 j	**69,000 j**	1,500 j	u,j	50,000
BENZO (A) ANTHRACENE	**12,000 j**	u,j	**1,600 j**	**31,000 j**	**660 j**	u,j	224 or MDL
CHRYSENE	**11,000 j**	u,j	**2,000 j**	**28,000 j**	**790 j**	u,j	400
BENZO (B) FLUORANTHENE	**13,000 j**	u,j	**3,200 j**	**30,000 j**	**1,700 j**	u,j	1,100
BENZO (K) FLUORANTHENE	**6,500 j**	u,j	**1,200 j**	**15,000 j**	660 j	u,j	1,100
BENZO (A) PYRENE	**9, 400 j**	u,j	**1,700 j**	**25,000 j**	**1,100 j**	u,j	61 or MDL
IDENO (1,2,3-CD) PYRENE	**5, 500 j**	u,j	1,400 j	**13,000 j**	1,100 j	u,j	3,200
DIBENZO (A,H) ANTHRACENE	u,j	u,j	**230 j**	u,j	u,j	u,j	14 or MDL
BENZO (G,H,I) PERYLENE	4,700 j	u,j	1,400 j	12,000 j	1,300 j	u,j	50,000
SUM of SVOCs	152,100	0	22,309	449,200	9,974	0	500,000
NO. INDIVIDUAL SVOCs EXCEED MAX.	0 compounds	0 compounds	0 compounds	3 compounds	0 compounds	0 compounds	50,000
STARS List Volatiles (detected compounds only)							
NAPHTHALENE	u,j	u,j	u,j	1,300	u,j	15	13,000
SUM OF VOCs	0	0	0	1,300	0	15	10,000

NOTES:
* Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Applicable
u or ND = Not Detected
R = Rejected by validator
Boided values exceed the regulatory guidance levels

Table 5
Former Welch Foods Site SI/RAR
Groundwater - Inorganic Analysis Summary

PARAMETER	CONCENTRATION (ppb)					NYS AMBIENT WATER QUALITY STANDARDS (1) (ppb)
	FWS-MW01	FWS-MW03	FWS-MW04 (4)	FWS-MW04 RS	FWS-MW05	
Target Analyte List Metals						
Ammonia as N	ND	ND	257	NA	ND	2,000
Cyanide, Total	ND	ND	ND	u,j	ND	200
Aluminum	**2,240**	**826**	**135,000**	ND	**758**	100
Antimony	ND	ND	ND	ND	ND	3
Arsenic	3	ND	**120**	ND	ND	25
Barium	122 b	78.5 b	961	68.3 b	122 b	1,000
Beryllium	ND	ND	7.9	ND	ND	1,100(3)
Cadmium	ND	ND	5 b	ND	ND	5
Calcium	26,200	40,600	125,000	77,900	39,000	NA
Chromium	ND	ND	**147**	ND	ND	50
Cobalt	ND	ND	153	ND	ND	NA
Copper	9.9 b	8.7 b	197	5.9 b	10.3 b	200
Iron	**4,880 j**	**2,270 j**	**343,000 j**	ND	**1,880 j**	300
Lead	**36**	3	**120**	2.8 b	6	25
Magnesium	6,630	5,860	**71,000**	9,770	4,170 b	35,000(2)
Manganese	168	**637**	**3,060**	24.4	70	300
Mercury	ND	ND	ND	ND	ND	0.7
Nickel	10.4 b	16.2 b	**335**	ND	ND	100
Potassium	3,160 b	6,520	25,500	2,270 b	8,560	NA
Selenium	ND	ND	ND	ND	ND	10
Silver	ND	ND	ND	ND	ND	50
Sodium	6,440	7,440	**23,300**	**21,600**	**33,800**	20,000
Thallium	ND	ND	**8 b**	ND	ND	0.5(2)
Vanadium	7.3 b	8.8 b	182	ND	ND	NA
Zinc	48.4	23.1	680	u	34.7	2,000(2)
Sum of Iron and Manganese	**5,048**	**2,907**	**346,060**	24.4	**1,950**	500

NOTES:
(1) Source is NEW York State Ambient Water Quality Standards and Guidance Values (June 1998)
(2) New York State Guidance Value used where no Groundwater Standard is available
(3) Beryllium Standard = 1,100 ppb when hardness is greater than 75 ppm
(4) High turbidity in MW04
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Available
u or ND = Not Detected
R = Rejected by validator
Bolded/boxed values exceed the regulatory guidance levels

Table 6
Former Welch Foods Site SI/RAR
Drains/Sumps/Outfall Sediment - Organic Analysis Summary (detected compounds only)

PARAMETER	CONCENTRATION (ppb)							RECOMMENDED SOIL CLEANUP OBJECTIVES * (ppb)
	FWS-DR01	FWS-SP01	FWS-SP02	FWS-SP03	FWS-SP05	FWS-TD01	FWS-SSO01	
Semivolatile Organic Compounds (detected compounds only)								
ACENAPHTHENE	33,000 j	1, 200 j				170 j	150 j	50,000
ANTHRACENE	79,000 j	2,900 j	780 j		680 j	320 j	340 j	50,000
BENZO (A) ANTHRACENE	150,000 j	7,400 j	780 j		4,700 j	830 j	940 j	224 or MDI
BENZO (B) FLUORANTHENE	150,000 j	9,200 j			5,600 j	1,100 j	1100 j	1,100
BENZO (K) FLUORANTHENE	53,000 j	4,100 j			2,900 j	410 j	610 j	1,100
BIS (2-ETHYLHEXYL) PHTHALATE		760 j	1,600 j		560 j	1,900	u	50,000
BENZO (A) PYRENE	110,000 j	6,300 j			4,400 j	780 j	770 j	61 or MDI
BENZO (G, H, I,) PERYLENE	81, 000 j	3,000 j			5,900	540 j	1200 j	50,000
BUTYLBENZYL PHTHALATE						130 j	95 j	50,000
CARBAZOLE	47, 000 j	1,900 j			340 j	170 j	190 j	NA
CHRYSENE	130,000 j	7,800 j	630 j		4,500 j	920 j	1100 j	400
DIBENZOFURAN	20, 000 j	1,100 j				110 j		6,200
DIBENZO (A,H) ANTHRACENE		570 j			1,200 j	130 j	360 j	14 or MDI
DI-N-OCTYL_PHTHALATE							180 j	50,000
INDENO (1,2 3-CD) PYRENE	86, 000 j	3,700 j			6,200	610	1,200	3,200
DI-N-BUTYL PHTHALATE						140 j		8,100
FLUORANTHENE	250,000	15,000	1, 000 j		5,500	1,200	2,000	50,000
FLUORENE	36, 000 j	1,500 j				170 j	180 j	50,000
NAPHTHALENE	9, 700 j	930 j				98 j		13,000
PHENANTHRENE	290,000	15,000	2,700		2,900	1,400	1,700	50,000
PHENOL						420 j		30
PYRENE	540,000 j	13,000 j	4,600 j	1, 500 j	9,700 j	2,500 j	4,000 j	50,000
SUM of SVOCs	2,064,700	2,130	12,090	1,500	55,080	14,048	16,115	500,000
NO. INDIVIDUAL SVOCs EXCEED MAX.	11 compounds	0 compounds	0 compounds	0 compounds	0 compounds	0 compounds	0 compounds	50,000
Volatile Organic Compounds (detected compounds only)								
ACETONE			10 j	17 b				200
CHLOROMETHANE							9 u	NA
CHLOROBENZENE							9 u	1,700
METHYLENE CHLORIDE	4 j,b	11 j,b	16 b	40 b	3 j,b			100
TOLUENE				3 j,b			9 u	1,500
p-XYLENE/m-XYLENE				4 j,b				1,199
SUM OF VOCs	4	11	26	64	3	0		10,000

NOTES:
* Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Applicable
u or ND = Not Detected
R = Rejected by validator
Bolded/boxed values exceed the regulatory guidance levels

Table 7
Former Welch Foods Site SI/RAR
Drains/Sumps/Outfall Sediment - PCB Analysis Summary

PARAMETER	CONCENTRATION (ppm)							RECOMMENDED SOIL CLEANUP OBJECTIVES * (ppm)
	FWS-DR01	FWS-SP01	FWS-SP02	FWS-SP03	FWS-SP05	FWS-TD01	FWS-SSO01	
PCB 1016	ND	ND	ND	ND	ND	ND	ND	1 (surface)
PCB 1221	ND	ND	ND	ND	ND	ND	ND	1 (surface)
PCB 1232	ND	ND	ND	ND	ND	ND	ND	1 (surface)
PCB 1242	ND	ND	ND	ND	ND	ND	ND	1 (surface)
PCB 1248	ND	ND	ND	ND	ND	ND	ND	1 (surface)
PCB 1254	**14**	**10**	**10**	**3**	**19**	**16**	ND	1 (surface)
PCB 1260	ND	ND	ND	ND	ND	ND	ND	1 (surface)

NOTES:
* Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Applicable
u or ND = Not Detected
R = Rejected by validator
Bolded/boxed values exceed the regulatory guidance levels

Table 8
Former Welch Foods Site SI/RAR
Drains/Sumps/Outfall Sediment - Inorganic Analysis Summary

PARAMETER	CONCENTRATION (ppm)								RECOMMENDED SOIL CLEANUP OBJECTIVES * (ppm)
	FWS-DR01	FWS-SP01	FWS-SP02	FWS-SP03	FWS-SP05	FWS-TD01	FWS-SSO01	Max Back-Ground Conc.	
Target Analyte List Metals									
Cyanide, Total	1.07	0.899	0.95	0.659	0.988	ND	u,j	u,j	*
Aluminum	5,670	4,270	5,680	4,340	5,060	1,490	4,990	10,800	SB
Antimony	R	R	R	R	R	R	ND	4.85 j,b	SB
Arsenic	**13**	**13**	**13**	**12**	**19**	**16**	3.8	10	7.5 or SB
Barium	**7,770**	**2,870**	**498**	**697**	**3,960**	**231**	40.9	123	300 or SB
Beryllium	0.249 b	**0.577 b**	0.304 b	0.156 b	0.305 b	ND	0.32 b	0.485	0.16 or SB
Cadmium	**27.2**	**16.6 j**	**11.5 b,j**	**10.9 j**	ND	**50.3**	0.906	1.23	1 or SB
Calcium	**13,700**	**18,100 j**	**5,390 j**	**10,600 j**	**4,940**	**3,720**	**39,300**	1,790	SB
Chromium	**280**	**159 j**	**154 j**	**360 j**	**78.5**	**143**	**12.6**	8.95	10 or SB
Cobalt	**28.3**	**33.5 j**	**11.3 j**	**12.8 j**	**18.1**	**16**	3.73 b	6.6	30 or SB
Copper	**5,050**	**582 j**	**499 j**	**363 j**	**233**	**285**	24.3	29.2	25 or SB
Iron	**209,000**	**209,000**	**107,000**	**104,000**	**279,000**	**230,000**	15,800	20,200	2,000 or SB
Lead	**1,820**	**866**	**547**	**311**	**638**	**632**	14	224	SB
Magnesium	**3,520**	**4,660 j**	1,870 j	1,500 j	1,730	633 b	**4,400**	2,080	SB
Manganese	**1,140**	**1,450**	559	491	**1,210**	**1,130**	514	639	SB
Mercury	**32**	**0.068 j**	**5.6 j**	**0.3 j**	**1.2**	**28**	**0.083**	0.066	0.1
Nickel	**297**	**154 j**	**130 j**	**328 j**	**52.7**	**107**	17.4	18.6	13 or SB
Potassium	688	390 b	**810**	**8,150**	528 b	201 b	482 b	729	SB
Selenium	ND	ND	ND	ND	ND	ND	u,j	0.29 b	2 or SB
Silver	ND	ND	ND	ND	ND	ND	ND	1.49 j	SB
Sodium	**224 b**	**375 b**	**110 b**	**2,300**	**102 b**	**105 b**	**121 b**	35.9 b	SB
Thallium	0.42	**0.97 b**	**1.1 b**	**0.73**	0.62	0.51	ND	0.65 b	SB
Vanadium	**23.5**	**69 j**	**24.7 j**	**21.9 j**	**72.1 b**	ND	8.03	18.7	150 or SB
Zinc	**6,530**	**4,590**	**993**	**1,290**	**3,180**	**1,540**	132	228	20 or SB

NOTES:
* Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
(1) Site specific form of cyanide must be considered when establishing soil cleanup objective
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Available
ND = Not Detected
R = Rejected by validator
** Site specific form of cyanide must be determined before cleanup objective is established
Bolded values exceed the regulatory guidance levels

Table 9
Former Welch Foods Site SI/RAR
Stormwater - Inorganic and Organic Analysis Summary (detected compounds only)

PARAMETER	CONCENTRATION (ppb) FWS-SS01	NYS AMBIENT WATER QUALITY STANDARDS (1) (ppb)
Cyanide, Total	ND	200
Aluminum	99.4 b	100
Antimony	ND	3
Arsenic	ND	25
Barium	81.4 b	1000
Beryllium	ND	1,000(3)
Cadmium	ND	5
Calcium	39,100	NA
Chromium	ND	50
Cobalt	ND	NA
Copper	4.4 b	200
Iron	**391**	300
Lead	2	25
Magnesium	6,140	35,000(2)
Manganese	138	300
Mercury	ND	0.7
Nickel	ND	100
Potassium	1,760 b	NA
Selenium	ND	10
Silver	ND	50
Sodium	3,880 b	20,000
Thallium	ND	0.5(2)
Vanadium	ND	NA
Zinc	11.6 b	2,000(2)
BIS (2-ETHYLHEXYL) PHTHALATE	**7 j**	5

NOTES:

(1) Source is NEW York State Ambient Water Quality Standards and Guidance Values (June 1998)

(2) New York State Guidance Value used where no Groundwater Standard is available

(3) Beryllium Standard = 1,100 ppb when hardness is greater than 75 ppm.

b = analyte was detected in the method or trip blank.

j = result estimated below the quantitation limit.

NA = Not Available

u or ND = Not Detected

Bolded/boxed values exceed the regulatory guidance levels

Table 10
Former Welch Foods Site SI/RAR
Sump Sludge - Characterization Analysis Summary

PARAMETER	CONCENTRATION (ppm)		HAZARDOUS WASTE REGULATORY LEVELS FOR TOXICITY CHARACTERISTIC (ppm)
	FWS-SP04 SLG	FWS-SP06 SLG	
Hazardous Characterization and TCLP Parameters			
Corrosivity	Non-corrosive	Non-corrosive	Corrosive
Ignitability	Non-ignitable	Non-ignitable	Ignitable
Sulfide Reactivity	317	152	500
Barium	1.85	1.54	100
Cadmium	ND	0.07	1.0

NOTES:
Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
b = analyte was detected in the method or trip blank
j = result estimated below the quantitation limit
NA = Not Applicable
u or ND = Not Detected
R = Rejected by validator
Shaded values exceed the regulatory guidance levels

Table 11
Former Welch Foods Site SI/RAR
Sump Sludge - PCB Analysis Summary

PARAMETER	CONCENTRATION (ppm)		RECOMMENDED SOIL CLEANUP OBJECTIVES * (ppm)
	FWS-SP04 SLG	FWS-SP06 SLG	
Polychlorinated Biphenyls (PCBs)			
PCB 1016	ND	ND	1 (surface)
PCB 1221	ND	ND	1 (surface)
PCB 1232	ND	ND	1 (surface)
PCB 1242	ND	ND	1 (surface)
PCB 1248	**3.1**	ND	1 (surface)
PCB 1254	ND	**5.1**	1 (surface)
PCB 1260	**12**	ND	1 (surface)

NOTES:
Source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-94-4046)
b = analyte was detected in the method or trip blank.
j = result estimated below the quantitation limit.
NA = Not Applicable
u or ND = Not Detected
R = Rejected by validator
Bolded/boxed values exceed the regulatory guidance levels

Table 12
Former Welch Foods Site SI/RAR
Sump Waste Water - Characterization Analysis Summary

PARAMETER	CONCENTRATION (ppm)	
	FWS-SP04 WW	FWS-SP06 WW
pH	5.05	NA
BIOCHEMICAL OXYGEN DEMAND (BOD)	9,400	24
CHEMICAL OXYGEN DEMAND (COD)	10,300	10.6
TOTAL SUSPENDED SOLIDS (TSS)	310	60

NA = Not analyzed

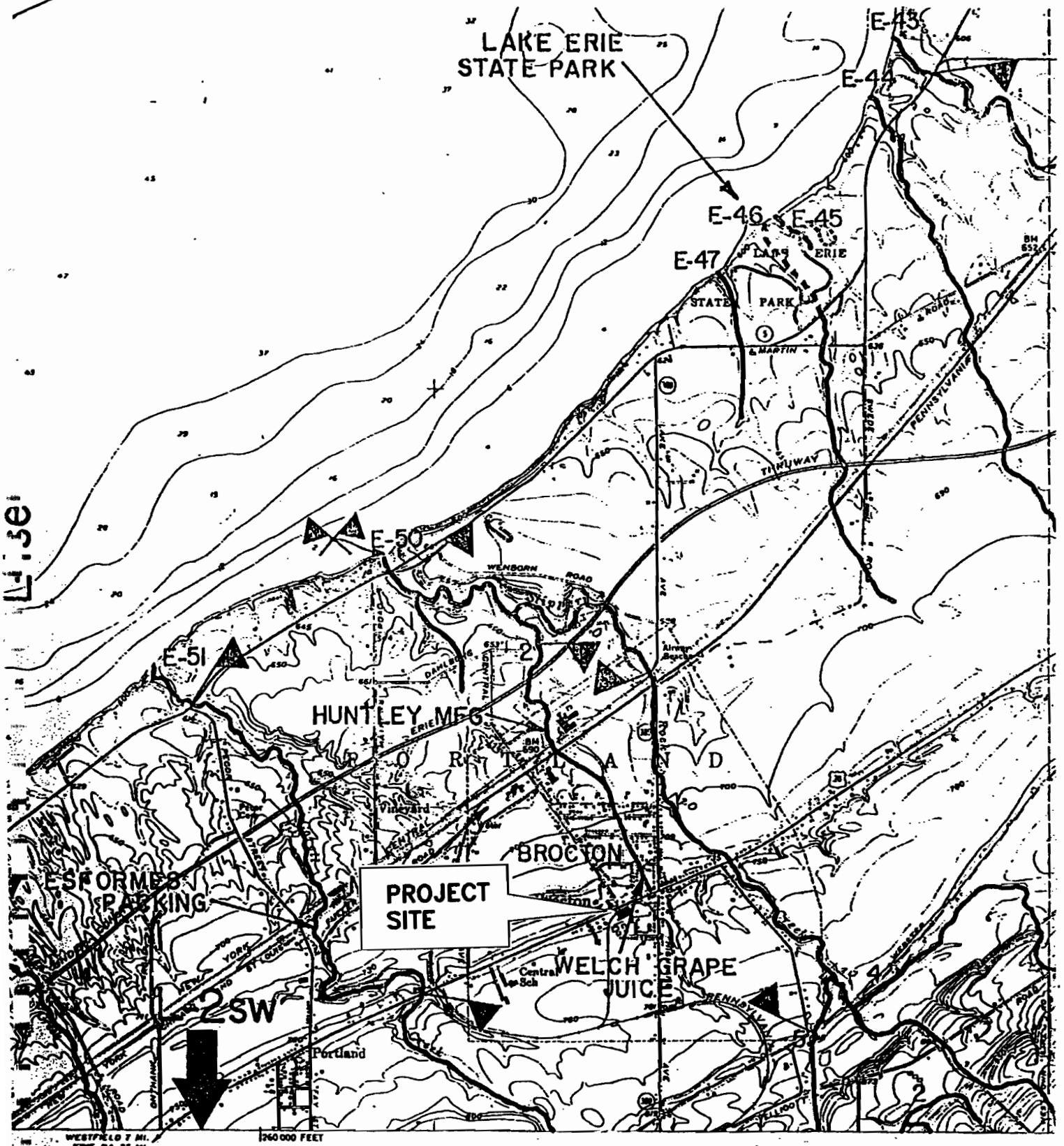
Table 13
Former Welch Foods Site SI/RAR
Asbestos Analysis Summary

IDENTIFIED ACM	FRIABLE Y/N	LOCATION	CONDITION	APPROXIMATE QUANTITY
Boiler Insulation	Y	In Boiler Room (Boilers #1 and #2)	Damaged (Poor)	960 square feet
Boiler Insulation	Y	Boiler #3	Damaged (Poor)	260 square feet
Hot Water Tank Insulation	Y	Bottom of Stairs by West Entrance	Damaged (Poor)	420 square feet
Pipe Insulation (Includes Mag, Aircell, and Cork Mastic)	Y	Throughout Entire Building	Damaged (Poor)	1,800 linear feet
Duct Insulation	Y	Second Floor Warehouse and Bottling Room	Damaged (Poor)	2,330 square feet
Floor Tile	N	Second Floor Office Area	Fair	1,410 square feet
Floor Tile Mastic *	N	Second Floor Office Area	Good	1,765 square feet
Window Caulk	N	Perimeter of All Windows	Good	50 windows
Caulk Around Louvers	N	Perimeter of All Louvers	Good	5 louvers
Tar Paper on Section of Wall	N	West of Tank # 11	Fair	4 square feet
Fire Door	N	Second Floor Stairwell	Good	1 door
Roofing ** Built-up/Rolled/Tars	N	Entire Roof (Includes all Roof Levels)	Damaged (Caved-in Sections)	60,000 square feet
Roof Flashing and all Associated Mastics	N	Perimeter of Entire Roof (Includes all Roof Levels)	Damaged (Caved-in Sections)	2,500 square feet
Sealant on Parapet Caps	N	On Parapet Walls	Good	350 linear feet
Black Sealant on Bricks	N	On Parapet Walls	Good	1,000 square feet
Debris on Floor ***	Y	Throughout Entire Building	Poor	60,000 square feet

* Some floor tile has been removed, however, the floor tile mastic remains. Therefore, the quantity of floor tile mastic is greater than the quantity of floor tile.
** For the purpose of this report, all roof levels are considered asbestos-containing
*** For the purpose of this report, all debris on the floors is considered asbestos-contaminated

ATTACHMENT A

USGS QUAD MAP SHOWING OUTFALL LOCATION (6 NYCRR 839)



WESTFIELD 7 MI.
ERIE, PA. 31 MI.

260 000 FEET

lished by the Geological Survey

stographs by photogrammetric
phs taken 1953. Field check 1954

piled from U. S. Lake Survey

7 North American datum
New York coordinate system,

n in brown

APPROXIMATE MEAN DECLINATION, 1954

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

APPENDIX A

TEST BORING LOGS AND TEST PIT LOGS

TEST BORING LOG

HOLE NO. FWS TB 01

PROJECT: FORMER WELCHS FOOD SITE SI/RAR
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 1
LOCATION BROCTON, N.Y.
ELEVATION
INCLINATION
START DATE 12/15/00
FINISH DATE 12/18/00
DRILLER S. GINGRICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT:	CASING	SAMPLER	CORE
					TYPE	DIEDRICH D-50		
					SIZE I.D.	2" SPLIT SPOON		
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	5 8 6 10	50%	PID 0ppm	8" BROWN TOPSOIL, HIGH PEAT CONTENT 4" YELLOW BROWN CLAY, SOME SILT DRY
		B	17 27 22 26	60%	0ppm	2" BROWN SILTY CLAY, DRY, STIFF 12" GRAVEL AND SAND, DRY. GRAY SILTSTONE
5		C	16 9 8 7	10%	0ppm	BROWN SANDY GRAVEL. MOIST, SOFT
		D	4 4 5 6	70%	0ppm	BROWN MEDIUM GRAINED SAND, TRACE OF GRAVEL, MOIST, LOOSE
10		E	4 4 6 6	60%	0ppm	BROWN. MEDIUM GRAINED SAND, TRACE OF GRAVEL, MOIST, LOOSE
		F	4 6 4 6	80%	0ppm	BROWN MEDIUM GRAINED SAND, MOIST, SOFT
		G	5 5 6 7	60%	0ppm	BROWN SANDY GRAVEL, TRACE OF SILT MOIST, SOFT
15		H	10 6 6 3	50%	0ppm	BROWN SAND, TRACE OF GRAVEL, MOIST AT TOP, WET AT BOTTOM, SAMPLE FROM THIS INTERVAL
		I	6 2 5 8	90%	0ppm	BROWN SILT, WET - SATURATED, VERY SOFT
20		J	1 3 8 11	80%	0ppm	6" BROWN SILT, WET, VERY SOFT 12" COARSE BROWN SAND, TRACE OF GRAVEL. SATURATED SOFT

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S – SPLIT SPOON
T – THIN WALL TUBE
U – UNDISTURBED PISTON
O – OPEN END ROD
W – WASH SAMPLE

CHECKED BY: WSL
DATE: 2-25-02

HOLE NO. FWS TB 01

TVGA

TEST BORING LOG

HOLE NO. FWS TB 02

PROJECT: FORMER WELCHS FOOD SITE SI/RAR
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 2
LOCATION BROCTON, N.Y.
ELEVATION
INCLINATION
START DATE 12/19/00
FINISH DATE 12/20/00
DRILLER S. GINGRICH
INSPECTOR D. MCCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING

EQUIPMENT:	CASING	SAMPLER	CORE
TYPE	DIEDRICH D-50		
SIZE I.D.	2" SPLIT SPOON		
HAMMER WT.	140 lb		
HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	4 10 10 46	50%	P.I.D. 0ppm	BLACK TOPSOIL, SAND, GRAVEL, ASHES, CINDERS
		B	13 12 11 10	65%	0ppm	YELLOW-BROWN SAND, TRACE OF GRAVEL DAMP, FIRM
5		C	8 7 7 4	50%	0ppm	RED-BROWN, MEDIUM GRAINED SAND, TRACE OF GRAVEL, DAMP, SOFT
		D	0 6 6 5	70%	0ppm	BROWN SAND, MEDIUM-COARSE GRAINED, TRACE OF GRAVEL, DAMP, SOFT.
10		E	6 3 3 4	75%	0ppm	BROWN SAND, MEDIUM-COARSE GRAINED, TRACE OF GRAVEL, DAMP, SOFT (STOP DRILLING 12/19/00)
		F	5 4 4 4	75%	0ppm	BROWN SAND, MEDIUM-COARSE GRAINED, THIN VARVES AT 1" ± INTERVALS, DAMP, SOFT
		G	6 4 4 8	60%	0ppm	12" BROWN SAND, MEDIUM-COARSE GRAINED, DAMP, SOFT 6" BROWN SAND, MEDIUM-COARSE GRAINED, SOME SILT, DAMP, STIFF
15		H	6 5 6 7	90%	0ppm	RED-BROWN SAND, MEDIUM GRAINED, THIN VARVES EVIDENT, DAMP, SOFT
		I	5 6 10 8	60%	0ppm	BROWN SAND, MEDIUM-FINE GRAINED, SOME GRAVEL, SATURATED, SOFT
20		J	4 8 6 6	75%	0ppm	GRAY-BROWN GRAVEL, SAND, SILT, CLAY MIXTURE, DAMP, MEDIUM STIFF

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE

CHECKED BY: WJK
DATE: 2-28-02

HOLE NO. FWS TB 02

TEST BORING LOG

TVGA

BORING NO. FWS TB 02

PROJECT & LOCATION: FORMER WELCHS FOOD SITE SI/RAR
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO.: 200403
SHEET NO.: 2 OF 2
ELEVATION:

DEPTH IN FEET	CASING BLOWS (PER FT.)	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY (FT.)	NOTES	FIELD CLASSIFICATION
22		K	17 11 14 11	45%	Oppm	GRAY-BROWN GRAVEL-SAND-SILT-CLAY MIXTURE, WEATHERED ROCK FRAGMENTS WITH ORANGE STAINS, MOIST, STIFF
24		L	12 11 10 10	50%	Oppm	GRAY-BROWN GRAVEL-SAND-SILT-CLAY MIXTURER, WEATHERED ROCK FRAGMENTS WITH ORANGE STAINS, MOIST, STIFF
26		M	9 8 7 6	80%	Oppm	12" GRAY-BROWN CLAY-SAND, GRAVEL MIXTURE ROCK FRAGMENTS, WET, SOFT 9" BROWN ROCK FRAGMENTS, ORANGE STAINS SOME SILT AND CLAY, SOFT
28		N	8 13 10 12	75%	Oppm	GRAY-BROWN CLAY AND WEATHERED ROCK FRAGMENTS, ORANGE STAINING, NO STRATIFICATION MOIST, STIFF
30		O	12 9 12 8	40%	Oppm	GRAY-BROWN CLAY AND WEATHERED ROCK FRAGMENTS, SOME ORANGE STAINING, WET STIFF
		-				

BLOWS/FT.	DENSITY
0-4	- VERY LOOSE
4-10	- LOOSE
10-30	- MEDIUM COMPACT
30-50	- COMPACT
50+	- VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	- VERY SOFT
2-4	- SOFT
4-8	- MEDIUM STIFF
8-15	- STIFF
15-30	- VERY STIFF
>30	- HARD

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
A - AUGER CUTTINGS
W - WASH SAMPLE

WJC
2-25-02

BORING NO. FWS TB C2

3/24/98 ORING2

TEST BORING LOG

HOLE NO. FWS TB 04

PROJECT: FORMER WELCHS FOOD SITE SI/RAR
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 2
LOCATION BROCTON, NY
ELEVATION
INCLINATION
START DATE 12/20/00
FINISH DATE 12/20/00
DRILLER S. GINGERICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT:	CASING	SAMPLER	CORE
					TYPE	DIEDRICH D-50		
					SIZE I.D.	2" SPLIT SPOON		
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	2 4 11 6	50%	P.I.D. 0ppm	DARK BROWN TOPSOIL, MOIST, SOFT OVERLYING BLACK ASHES, CINDERS AND COAL FRAGMENTS, MOIST, MED-STIFF
		B	6 16 13 14	55%	0ppm	8" BROWN-BLACK TOPSOIL, ROCK FRAGMENTS, MOIST, SOFT 6" BROWN SAND WITH SILT, MOIST, SOFT
5		C	3 4 4 3	70%	0ppm	YELLOW-BROWN MEDIUM GRAINED SAND MOIST, LOOSE, COARSENING DOWNWARD
		D	2 3 5 5	50%	*	BROWN SAND, MEDIUM GRAINED, MOIST, SOFT * MOTOR ON P.I.D. PROBE QUIT WORKING
10		E	6 13 21 39	70%		10" BROWN SAND, WET 12" OLIVE GREEN SILTSTONE ROCK FRAGMENTS, RED STAINS, SLI DAMP
		F	20 50/4"	15%		GRAY THINLY LAMINATED SILTSTONE SOME CLAY AND ROCK FRAGMENTS
		G	9 8 9 17	80%		BROWN SAND, COARSE GRAINED WET, LOOSE
15		H	14 19 18 22	60%		GRAY CLAY AND ROCK FRAGMENTS BROWN MOTTLES, SLIGHTLY MOIST, STIFF
		I	11 12 17 13	40%		GRAY CLAY AND ROCK FRAGMENTS ORANGE AND DARK BROWN MOTTLES SLIGHTLY MOIST, STIFF
20		J	12 17 23 17	50%		GRAY CLAY AND ROCK FRAGMENTS SLIGHTLY MOTTLED, MOIST, STIFF

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S – SPLIT SPOON
T – THIN WALL TUBE
U – UNDISTURBED PISTON
O – OPEN END ROD
W – WASH SAMPLE

CHECKED BY: WJC
DATE: 2-25-01

HOLE NO. FWS TB 04

TEST BORING LOG

BORING NO. FWS TB 04

PROJECT & LOCATION: FORMER WELCHS FOOD SITE
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO.: 200403
SHEET NO.: 2 OF 2
ELEVATION:

DEPTH IN FEET	CASING BLOWS (PER FT.)	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY (FT.)	NOTES	FIELD CLASSIFICATION
22		K	12 9 9 12	70%		10" BROWN CLAY WITH SILT AND ROCK FRAGMENTS ORANGE MOTTLES, WET, STIFF 9" GRAY CLAY WITH SILT AND ROCK FRAGMENTS SLIGHTLY DAMP, STIFF
24		L	11 18 20 25	95%		GRAY CLAY WITH SILT AND ROCK FRAGMENTS TRACE OF GRAVEL, SLIGHTLY MOIST, VERY STIFF
26		M	17 16 16 18	95%		GRAY CLAY WITH SILT AND ROCK FRAGMENTS TRACE OF GRAVEL, SLIGHTLY MOIST, VERY STIFF
28		N	20 22 31 33	55%		GRAY CLAY WITH SAND AND ROCK FRAGMENTS TRACE OF GRAVEL, MOIST, STIFF
30		O	24 26 50/3"	50%		GRAY SANDY CLAY WITH ROCK FRAGMENTS MOIST, STIFF
		-				

BLOWS/FT.	DENSITY
0-4	- VERY LOOSE
4-10	- LOOSE
10-30	- MEDIUM COMPACT
30-50	- COMPACT
50+	- VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	- VERY SOFT
2-4	- SOFT
4-8	- MEDIUM STIFF
8-15	- STIFF
15-30	- VERY STIFF
>30	- HARD

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
A - AUGER CUTTINGS
W - WASH SAMPLE

WJC
2-25-02

BORING NO. FWS TB 04

3ORING 1/24/02

TEST BORING LOG

HOLE NO. FWS TB 05

PROJECT: FORMER WELCHS FOOD SITE SI/RAR
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 2
LOCATION BROCTON, NY
ELEVATION
INCLINATION
START DATE 12/21/00
FINISH DATE 12/21/00
DRILLER S. GINERICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT:	CASING	SAMPLER	CORE
					TYPE	DIEDRICH D-50		
					SIZE I.D.	2" SPLIT SPOON		
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	1 2 4 6	60%	P.I.D. 0ppm	6" BROWN TOPSOIL, MOIST, SOFT 10" BROWN CLAY, SAND AND ROCK FRAGMENTS, RED BRICK FRAGMENTS
		B	2 2 3 5	40%	0ppm	BROWN SAND AND SILT WITH CLAY, BRICK FRAGMENTS, MOIST, SOFT.
5		C	3 2 3 1	10%	0ppm	DARK BROWN SILTY SAND, ROCK FRAGMENTS, MOIST, SOFT
		D	2 7 7 9	60%	0ppm	5" BROWN SILTY SAND WITH CLAY, WET, SOFT 7" BROWN SILT WITH SAND AND CLAY, ROCK FRAGS, RED MOTTLES, MOIST, MED STIFF
10		E	6 7 12 18	65%	0ppm	8" BROWN SILT WITH SAND AND CLAY, WET, SOFT 8" ROCK FRAGMENTS, SAND, SILT, CLAY ORANGE STAINS, WET
		F	11 13 14 12	50%	0ppm	BROWN-GRAY SILTY CLAY WITH WEATHERED ROCK FRAGMENTS, RED-ORANGE MOTTLES
		G	6 9 8 10	60%	*	10" BROWN-GRAY CLAY WITH SILT AND ROCK FRAGMENTS, DAMP, FIRM 4" BROWN SAND WITH SILT AND ROCK FRAGS WET, SOFT * PID OFFSCALE, WILL NOT "0"
15		H	8 9 10 10	40%		BROWN CLAY WITH SAND, SILT, AND ROCK FRAGMENTS, TRACE OF GRAVEL DAMP, STIFF
		I	5 6 6 6	45%		GRAY-BROWN CLAY WITH SAND, SILT AND ROCK FRAGMENTS, 15-20% GRAVEL, MOIST, STIFF
20		J	15 8 5 7	40%		LIGHT BROWN SILTY CLAY, TRACE OF SAND AND GRAVEL, ORANGE MOTTLES MOIST, FIRM

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S – SPLIT SPOON
T – THIN WALL TUBE
U – UNDISTURBED PISTON
O – OPEN END ROD
W – WASH SAMPLE

CHECKED BY: WJC
DATE: 2-26-02
HOLE NO. FWS-TB-05

TEST BORING LOG

BORING NO. FWS TB 05

PROJECT & LOCATION: FORMER WELCHS FOOD SITE SI/RAR
CLIENT: CHAUTAUQUA COUNTY
CONTRACTOR: NATURES WAY

PROJECT NO.: 200403
SHEET NO.: 2 OF 2
ELEVATION:

DEPTH IN FEET	CASING BLOWS (PER FT.)	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY (FT.)	NOTES	FIELD CLASSIFICATION
22		K	5 8 7 9	50%		6" YELLOW-BROWN SILT WITH CLAY, DAMP, STIFF 6" GRAY CLAY, SAND, SILT AND ROCK FRAGS TRACE OF GRAVEL, WET, SOFT
24		L	5 10 16 20/4"	25%		BROWN GRAVEL AND GRAY CLAY, SAND AND SILT, LOOSE, SATURATED. WATER LEVEL ROSE IMMEDIATELY TO 18.4'

BLOWS/FT.	DENSITY
0–4	– VERY LOOSE
4–10	– LOOSE
10–30	– MEDIUM COMPACT
30–50	– COMPACT
50+	– VERY COMPACT

BLOWS/FT.	CONSISTENCY
0–2	– VERY SOFT
2–4	– SOFT
4–8	– MEDIUM STIFF
8–15	– STIFF
15–30	– VERY STIFF
>30	– HARD

SAMPLE IDENTIFICATION	
S	– SPLIT SPOON
T	– THIN WALL TUBE
A	– AUGER CUTTINGS
W	– WASH SAMPLE

WJC
2-25-02

BORING NO. FWS TB 05

ORING8 1/24/98

TEST BORING LOG

HOLE NO. FWS-MW 01

PROJECT: FORMER WELCHS FOOD SITE SI/RAR
CLIENT:
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 2
LOCATION BROCTON, N.Y.
ELEVATION
INCLINATION
START DATE 12/18/00
FINISH DATE 12/18/00
DRILLER S. GINGRICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT: TYPE	CASING	SAMPLER	CORE
					SIZE I.D.	DEIDRICH D-50	2" SPLIT SPOON	
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	12 9 6 8	40%	P.I.D. 0ppm	4" WEATHERED ASPHALT 3" BROWN SANDY GRAVEL, DAMP, FIRM
		B	4 5 5 7	60%	0ppm	BROWN SAND-GRAVEL-CLAY MIXTURE MOIST, LOOSE, TRACE OF WEATHERED ASPHALT
5		C	4 6 7 9	50%	0ppm	3" BROWN SAND AND GRAVEL, DAMP, LOOSE 9" COARSE BROWN SAND, MOIST, LOOSE
		D	3 3 4 3	70%	0ppm	BROWN SAND, COARSE, DAMP, LOOSE
10		E	3 3 4 5	70%	0ppm	BROWN SAND, COARSE, DAMP, LOOSE DARK BROWN VARVES OBSERVED AT 1"-5" INTERVALS
		F	2 4 4 5	85%	0ppm	BROWN SAND, COARSE, DAMP, LOOSE DARK BROWN VARVES OBSERVED AT 1"-5" INTERVALS
		G	3 3 4 5	85%	0ppm	BROWN SAND, DAMP, LOOSE, FINING DOWNWARDS
15		H	3 4 7 5	30%	0ppm	3" LT BROWN SILTY SAND, SOFT, WET 5" BROWN SAND, COARSE, WET, LOOSE
		I	WT OF ROD WT HAMMER 1 1	10%	0ppm	BROWN SAND, MEDIUM GRAINED VERY LOOSE, SATURATED
20		J	1 4 7 19	85%	0ppm	3" BROWN SAND, MEDIUM GRAINED SATURATED, LOOSE 15" MED BROWN SILT, SATURATED, SOFT

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S – SPLIT SPOON
T – THIN WALL TUBE
U – UNDISTURBED PISTON
O – OPEN END ROD
W – WASH SAMPLE

CHECKED BY: WJC
DATE: 2-5-02

HOLE NO. FWS MW 01

TEST BORING LOG

TVGA

BORING NO. FWS MW 01

PROJECT & LOCATION: FORMER WELCHS FOOD SITE, BROCTON, N.Y.

CLIENT:

CONTRACTOR: NATURES WAY

PROJECT NO.: 200403

SHEET NO.: 2 OF 2

ELEVATION:

DEPTH IN FEET	CASING BLOWS (PER FT.)	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY (FT.)	NOTES	FIELD CLASSIFICATION
22		K	14 18 13 17	85%	Oppm	BROWN SANDY GRAVEL, SOME CLAY, SATURATED, FIRM
24		L	10 19 18 17	75%	Oppm	BROWN SANDY GRAVEL WITH CLAY, SATURATED ON TOP, MOIST ON BOTTOM, FIRM

BLOWS/FT.	DENSITY
0–4	– VERY LOOSE
4–10	– LOOSE
10–30	– MEDIUM COMPACT
30–50	– COMPACT
50+	– VERY COMPACT

BLOWS/FT.	CONSISTENCY
0–2	– VERY SOFT
2–4	– SOFT
4–8	– MEDIUM STIFF
8–15	– STIFF
15–30	– VERY STIFF
>30	– HARD

SAMPLE IDENTIFICATION	
S	– SPLIT SPOON
T	– THIN WALL TUBE
A	– AUGER CUTTINGS
W	– WASH SAMPLE

WJC

2-25-02

BORING NO. FWS-MW01

ORING 1/24/96

TEST BORING LOG

HOLE NO. FWS MW 02

PROJECT: FORMER WELCUS FOOD SITE SI/RAR
CLIENT:
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 1
LOCATION BROCTON, N.Y.
ELEVATION
INCLINATION
START DATE 12/19/00
FINISH DATE 12/19/00
DRILLER S. GINGRICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING

EQUIPMENT:	CASING	SAMPLER	CORE
TYPE	DEIDRICH D-50		
SIZE I.D.	2" SPLIT SPOON		
HAMMER WT.	140lb		
HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	3 10 13 5	60%	P.I.D 0ppm	6" BLACK-BROWN SANDY TOPSOIL, DAMP, SOFT 8" BROWN-BLACK SANDY CLAY WITH GRAVEL, ORANGE STAINS, ASHES, COAL FRAGS
		B	2 4 4 5	65%	0ppm	BROWN-BLACK ASHES, COAL FRAGS. CINDERS AND SAND, MOIST
5		C	3 2 2 2	60%	0ppm	BROWN SAND WITH SILT AND CLAY, TRACE OF CINDERS AND GRAVEL, MOIST, SOFT
		D	8 12 9 4	40%	0ppm	LIGHT BROWN SAND WITH SILT, TRACE OF GRAVEL, WET, SOFT
10		E	8 15 10 4	30%	0ppm	BROWN SAND, MEDIUM GRAINED SOME SILT, DAMP, SOFT
		F	3 3 5 3	70%	0ppm	RED-BROWN SAND, MED-COARSE GRAINED, DAMP, MEDIUM STIFF
		G	3 2 3 5	70%	0ppm	BROWN SAND, COARSE GRAINED DAMP, SOFT
15		H	3 3 4 4	75%	0ppm	BROWN SAND, MEDIUM-COARSE GRAINED, DAMP, SOFT
		I	10 11 12 15	60%	0ppm	TOP 8" BROWN MEDIUM-COARSE GRAIN SAND, SATURATED, SOFT BOTTOM 8" GRAY SAND-SILT-CLAY WITH GRAVEL, SLI. MOIST, STIFF
20		J	7 12 14 14	70%	0ppm	BROWN SAND-SILT-CLAY, TRACE OF GRAVEL, DAMP, MEDIUM STIFF

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE

CHECKED BY: WJC
DATE: 2-25-02

HOLE NO. FWS MW 02

TEST BORING LOG

HOLE NO. FWS MW 03

PROJECT: FORMER WELCH FOOD SITE SI/RAR
CLIENT:
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 1
LOCATION BROCTON, NY
ELEVATION
INCLINATION
START DATE 12/19/00
FINISH DATE 12/19/00
DRILLER S. GINERICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT:	CASING	SAMPLER	CORE
					TYPE	DIEDRICH D-50		
					SIZE I.D.	2" SPLIT SPOON		
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	2 7 7 4	60%	P.I.D 0ppm	6" BLACK TOPSOIL WITH GRAVEL, DAMP LOOSE 8" BROWN SANDY CLAY, DAMP, MEDIUM STIFF
		B	3 4 2 2	40%	0ppm	BROWN GRAVEL AND SAND WITH WEATHERED ASPHALT, DAMP, LOOSE
5		C	4 4 4 5	70%	0ppm	BROWN SAND, MEDIUM-COARSE, DAMP, LOOSE
		D	3 4 3 4	70%	0ppm	BROWN SAND, MEDIUM-COARSE GRAINED, DAMP, LOOSE
10		E	4 4 6 5	70%	0ppm	BROWN SAND, COARSE GRAINED WITH TRACE OF GRAVEL, DAMP, LOOSE, DARK BROWN VARVES EVIDENT
		F	2 2 3 4	75%	0ppm	BROWN SAND, COARSE GRAINED, TRACE OF GRAVEL, DAMP, MEDIUM STIFF, DARK BROWN VARVES AT 3-5" INTERVALS
		G	2 3 4 3	60%	0ppm	BROWN SAND, MED-COARSE GRAINED, TRACE OF GRAVEL, DAMP AT TOP, WET AT BOTTOM, SLI. EVIDENCE OF VARVES
15		H	WT Hammer 2 3 4	45%	0ppm	BROW-GRAY SAND, ORANGE-RED STAINS, MEDIUM GRAINED, SATURATED, SOFT
		I	3 8 27 32	90%	2ppm	12" BROWN SILTY SAND, SATURATED, LOOSE 10" GRAY-BROWN SAND AND CLAY, WET STIFF
20		J	7 17 14 15	90%	1 ppm	GRAY-BROWN MEDIUM GRAINED SAND AND CLAY, SATURATED AT TOP, DAMP AT BOTTOM, SOME GRAVEL, FIRM

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE

CHECKED BY: WJC
DATE: 2-25-02

HOLE NO. FWS MW 03

TVGA

TEST BORING LOG

HOLE NO. FWS MW 04

PROJECT: FORMER WELCUS FOOD SITE SI/RAR
CLIENT:
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 2
LOCATION BROCTON, NY
ELEVATION
INCLINATION
START DATE 12/21/00
FINISH DATE 12/21/00
DRILLER S. GINERICH
INSPECTOR D. MCCOY

MEASUREMENT:		DEPTH TO	DEPTH OF		EQUIPMENT:	CASING	SAMPLER	CORE
DATE	TIME	WATER	HOLE	CASING	TYPE	DIEDRICH D-50		
					SIZE I.D.	2" SPLIT SPOON		
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	2 3 3 3	45%		3" BLACK SANDY TOPSOIL, DAMP 7" BROWN-GRAY SANDY CLAY, DAMP
		B	3 3 4 4	50%		LIGHT BROWN SAND, MEDIUM GRAIN SOME SILT, MOIST, SOFT
5		C	2 5 7 8	50%		9" BROWN SILTY SAND, MEDIUM-FINE GRAINED, DAMP, SOFT 3" LIGHT GRAY CLAY WITH SILT, BROWN MOTTLES, ROCK FRAGS, DRY, STIFF
		D	12 11 8 15	60%		3" RED-BROWN SILTSTONE, WEATHERED, DAMP, FRIABLE 11" GRAY SILTY CLAY WITH ROCK FRAGS, DRY, STIFF
10		E	9 11 13 15	50%		GRAY SILTY CLAY WITH ROCK FRAGS, DRY, STIFF
		F	10 8 15 13	35%		LIGHT GRAY SILTY CLAY WITH ROCK FRAGS WEATHERED SHALE, DAMP
		G	6 18 12 10	40%		LIGHT GRAY-BROWN CLAY-SILT-ROCK FRAGMENTS; DAMP, STIFF
15		H	5 7 8 12	45%		BROWN-GRAY CLAY WITH SILT, SAND, AND ROCK FRAGMENTS, MOIST AT TOP, DAMP AT BOTTOM, ORANGE MOTTLES
		I	29 14 8 10	30%		3" RED-BROWN SILTSTONE, WEATHERED, DRY 3" GRAY CLAY-SILT-SAND-ROCK FRAGS 3" GRAY SAND, COARSE GRAINED, WITH SILT AND ROCK FRAGS, WET
20		J	6 7 7 7	60%		GRAY SAND, MEDIUM-COARSE GRAINED, TRACE OF SILT, CLAY, AND GRAVEL, WET, LOOSE

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE

CHECKED BY: WJC
DATE: 2-25-02

HOLE NO. FWS MW 04

TEST BORING LOG

BORING NO. FWS MW 04

PROJECT & LOCATION: FORMER WELCHS FOOD SITE, BROCTON, N.Y.

CLIENT:

CONTRACTOR: NATURES WAY

PROJECT NO.: 200403

SHEET NO.: 2 OF 2

ELEVATION:

DEPTH IN FEET	CASING BLOWS (PER FT.)	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY (FT.)	NOTES	FIELD CLASSIFICATION
22		K	5 5 6 8	65%		GRAY SAND, MEDIUM-COARSE GRAINED, TRACE OF SILT AND CLAY, TOP 7"; WET, SOFT BOTTOM 7" BROWN SILT, WET, MEDIUM STIFF
24		L	6 15 15 19	50%		GRAY SANDY CLAY, ROCK FRAGMENTS, DAMP, STIFF
26		M	15 16 17 17	70%		GRAY SANDY CLAY, ROCK FRAGMENTS, DAMP, STIFF
28		N	12 17 23 24	75%		GRAY CLAY, ROCK FRAGMENTS, WET AT TOP, SLIGHTLY MOIST AT BOTTOM, STIFF
30		O	25 27 50/5"	70%		GRAY CLAY; ROCK FRAGMENTS, DAMP, STIFF
		-				

BLOWS/FT.	DENSITY
0–4	– VERY LOOSE
4–10	– LOOSE
10–30	– MEDIUM COMPACT
30–50	– COMPACT
50+	– VERY COMPACT

BLOWS/FT.	CONSISTENCY
0–2	– VERY SOFT
2–4	– SOFT
4–8	– MEDIUM STIFF
8–15	– STIFF
15–30	– VERY STIFF
>30	– HARD

SAMPLE IDENTIFICATION	
S	– SPLIT SPOON
T	– THIN WALL TUBE
A	– AUGER CUTTINGS
W	– WASH SAMPLE

WJC

2-25-02

BORING NO. FWS-MW01

1/24/98 BORING

TEST BORING LOG

HOLE NO. FWS MW 05

PROJECT: FORMER WEBUS FOOD SITE SI/RAR
CLIENT :
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 1
LOCATION BROCTON, NY
ELEVATION
INCLINATION
START DATE 12/26/00
FINISH DATE 12/26/00
DRILLER S. GINGRICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT:	CASING	SAMPLER	CORE
					TYPE	DIDR	CH D-50	
					SIZE I.D.	2"	SPLIT SPOON	
					HAMMER WT.	140 lb		
					HAMMER FALL	30"		

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	4 3 4 4	40%		6" BLACK SANDY TOP SOIL, FROZEN 5" BROWN SILTY SAND, DAMP, LOOSE
		B	3 3 2 3	20%		BROWN SILTY SAND, MEDIUM GRAINED, DAMP, LOOSE
5		C	2 3 3 4	50%		6" GRAY SAND, MEDIUM GRAINED, WET LOOSE 6" GRAY SILTY SAND, WET, PLASTIC
		D	1 9 7 5	60%		GRAY SILTSTONE, GRAY SILTY SAND, WET LOOSE
10		E	7 10 9 14	60%		GRAY-BROWN SANDY CLAY, TRACE OF GRAVEL, TRACE OF ROCK FRAGMENTS, WET, FIRM
		F	9 13 8 11	60%		GRAY-BROWN CLAY AND ROCK FRAGMENTS, GRAY SILTSTONE, DRY, STIFF
		G	9 7 7 7	70%		BROWN SANDY CLAY AND ROCK FRAGMENTS, DAMP, MEDIUM STIFF
15		H	7 7 6 6	70%		6" BROWN CLAY AND ROCK FRAGMENTS DAMP, STIFF 10" YELLOW BROWN SILT, WET, SOFT
20						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S – SPLIT SPOON
T – THIN WALL TUBE
U – UNDISTURBED PISTON
O – OPEN END ROD
W – WASH SAMPLE

CHECKED BY: WJC
DATE: 2-25-02

HOLE NO. FWS MW 05

TEST BORING LOG

HOLE NO. FWS MW 06

PROJECT: FORMER WELCHS FOOD SITE SI/RAR
CLIENT:
CONTRACTOR: NATURES WAY

PROJECT NO. 200403
SHEET NO. 1 OF 1
LOCATION BROCTON, NY.
ELEVATION
INCLINATION
START DATE 12/26/00
FINISH DATE 12/26/00
DRILLER S. GINGRICH
INSPECTOR D. McCOY

MEASUREMENT: DATE	TIME	DEPTH TO WATER	DEPTH OF HOLE	DEPTH OF CASING	EQUIPMENT:	CASING	SAMPLER	CORE
					TYPE	DEORICH D-50		
					SIZE I.D.	4 1/4	6 INCHES	
					HAMMER WT.	—	—	
					HAMMER FALL	—	—	

DEPTH IN FEET	STRATA CHANGE AND DESCRIPTION	SAMPLE NO.	SPT BLOWS PER 6"	RECOVERY	TESTS AND EQUIPMENT	FIELD DESCRIPTION AND REMARKS
		A	—	—		BROWN SANDY TOPSOIL, MOIST
		B	—	—		BROWN SAND, TRACE OF GRAVEL, MOIST
5		C	—	—		BROWN SAND, SOME GRAVEL, WET
		D	—	—		BROWN SAND, SOME GRAVEL AND CLAY, WET
		E	—	—		BROWN SANDY CLAY, SOME GRAVEL AND CLAY, SLIGHTLY DAMP
10		F	—	—		BROWN SANDY CLAY, TRACE OF GRAVEL AND ROCK FRAGMENTS, DAMP
		G	—	—		BROWN CLAY, TRACE OF GRAVEL AND ROCK FRAGMENTS, DAMP
15		H	—	—		BROWN-GRAY CLAY, TRACE OF SAND AND ROCK FRAGMENTS, DAMP
						* NOTE, SAMPLES LOGGED FROM AUGER CUTTINGS
20						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM COMPACT
30-50	COMPACT
50+	VERY COMPACT

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF

SAMPLE IDENTIFICATION
S — SPLIT SPOON
T — THIN WALL TUBE
U — UNDISTURBED PISTON
O — OPEN END ROD
W — WASH SAMPLE

CHECKED BY: WJC
DATE: 2-25-02

HOLE NO. FWS MW 06

TEST PIT LOG

PIT NO: FWS TP 01

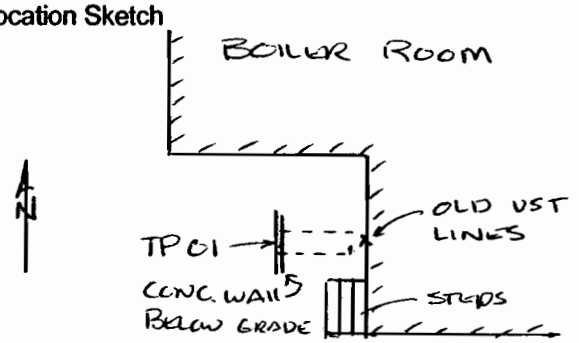
Project Name: FORMER WELCHS FOOD SITE SI/RAR
Project Location: BROCTON, NY.
Project No: 200403
Date: 12/22/00

Description SOUTHWEST OF BOILER ROOM NEAR OLD UST PIPING
Depth 4'

0	Surface: SNOW COVERED, SCRAP METAL
1	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE GRAINED, COBBLES AND BRICK FRAGMENTS (FILL)
2	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE GRAINED, COBBLES AND BRICK FRAGMENTS (FILL)
3	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE GRAINED (FILL)
4	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE GRAINED OVERLYING CONCRETE SLAB. SLAB IS COVERED
5	WITH 1/2" ± BLACK-BROWN SANDY GRAVEL, NO ODOR. TOOK TWO SAMPLES FROM THIS LAYER
6	

Comments:

Location Sketch



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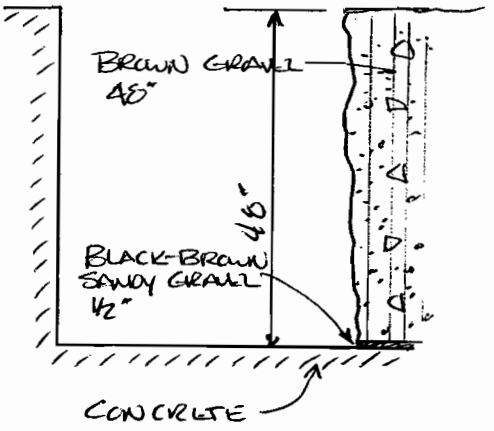


Geologist: D. McCoy

Operator: L. HOWARD

TEST PIT LOG

PIT NO: FWS TP 02

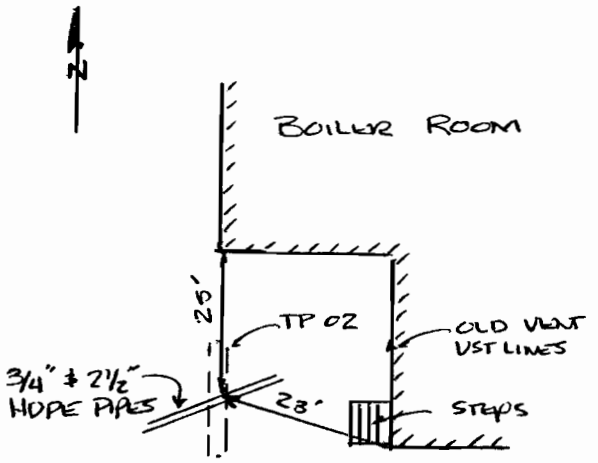
Project Name: FORMER WELCHS FOOD SITE SI/RAR
Project Location: BROCTON, N.Y.
Project No: 200403
Date: 12/22/00

Description SOUTHWEST OF BOILER ROOM NEAR UST ABANDONMENT
Depth 6'

0	Surface: SNOW COVERED, FROZEN
	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE
1	GRAINED, COBBLES (FILL) - NO ODOR
	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE
2	GRAINED, BROKEN CLAY TILE (FILL) - NO ODOR
	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE
3	GRAINED (FILL) - NO ODOR
	GM, GRAVEL-SAND-SILT MIXTURE, BROWN, DAMP, COARSE
4	GRAINED, CUT THRU 2½" & 3/4" Ø BLACK HDPE PIPES, EMPTY, NO ODOR
	SM, SILTY SAND, BROWN, MEDIUM GRAINED, DAMP - NO ODOR
5	
	SM, SILTY SAND, BROWN, DAMP, MEDIUM GRAINED - NO ODOR
6	

Comments:

Location Sketch



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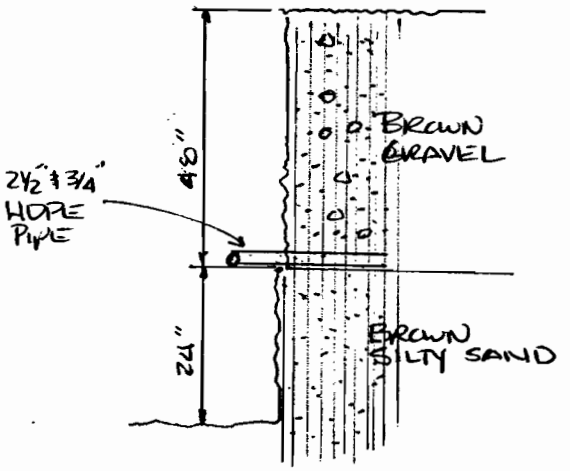

Geologist: D. McCoy
Operator: L. HOWARD

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TEST PIT LOG

PIT NO: FWS TP03

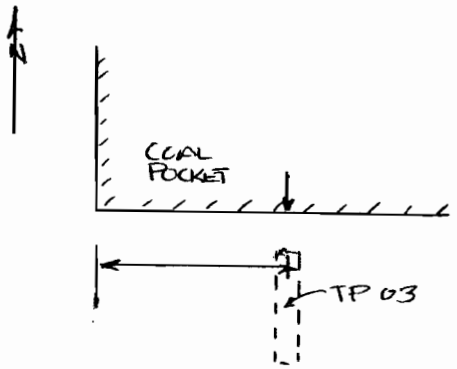
Project Name: FORMER WELCHS FOOD SITE SI/RAR
Project Location: BROCKTON, NY
Project No: 200403
Date: 12/22/00

Description SOUTH SIDE OF COMPLEX ON OLD RAIL ROAD SIDING

Depth	
0	Surface: SNOW COVERED, FROZEN
	SM, SILTY SAND, BLACK, DAMP, OLD RAILROAD TIE PIECES
1	STRONG CREOSOTE ODOR
	SM, SILTY SAND, BLACK, DAMP, CLAY TILE FRAGMENTS, OLD
2	RAILROAD TIE PIECES, CREOSOTE ODOR
	SM, SILTY SAND, YELLOW-BROWN, TRACE OF GRAVEL, DAMP,
3	NO ODOR
	SM, SILTY SAND, YELLOW-BROWN, DAMP, MEDIUM GRAINED
4	TRACE OF GRAVEL, NO ODOR
	SM, SILTY SAND, YELLOW-BROWN, DAMP, MEDIUM GRAINED
5	SOME GRAVEL, NO ODOR
	SM, SILTY SAND, YELLOW-BRWN, DAMP, MEDIUM GRAINED
6	SOME GRAVEL, NO ODOR

Comments:

Location Sketch



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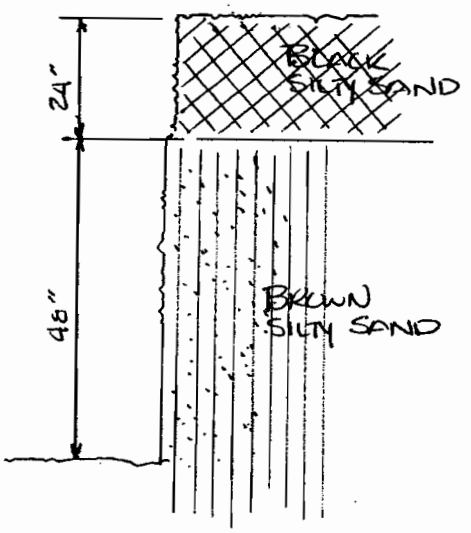

Geologist: D. McCoy

Operator: L. HOWARD

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TEST PIT LOG

PIT NO: FWS TP 04

Project Name: FORMER WELCHS FOOD SITE

Project No: 200403

Project Location: BROCTON, N.Y.

Date: 12/22/00

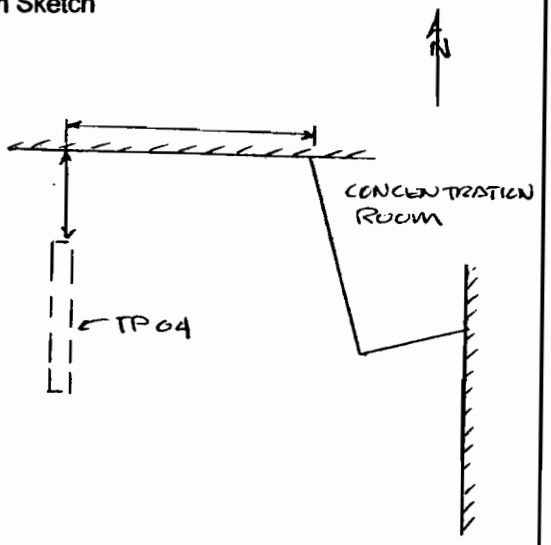
Description NORTH OF TANKER SLAB

Depth 6'

0	**Surface:** CONCRETE 4-6" THICK
	SM, SILTY SAND, BLACK, DAMP, FINE GRAINED, SOME RUBBLE
1	ASHES, MUSTY ODOR
	SM, SILTY SAND, BLACK-DARK GRAY, DAMP, MEDIUM-FINE
2	GRAINED, RUBBLE, ASHES, MUSTY ODOR
	FILL, ASHES, BLACK-GRAY, DAMP, CINDERS, CLINKERS
3	MUSTY ODOR
	FILL, ASHES, BLACK-GRAY, DAMP, CINDERS, CLINKERS, SHEETS
4	OF BITUMINOUS ROOFING, POSSIBLY BURNED, STRONG BITUMEN ODOR
	FILL, ASHES, BLACK-GRAY, DAMP, CINDERS, SCRAP STEEL
5	TRACE OF SAND AND GRAVEL, BITUMEN ODOR
	SM, SILTY SAND, BROWN, DAMP, MEDIUM GRAINED, TRACE
6	OF GRAVEL, NO ODOR

Comments:

Location Sketch



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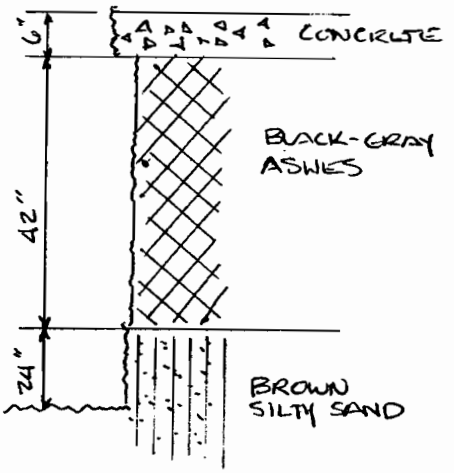


Geologist: D. McCoy

Operator: L. HOWARD

TEST PIT LOG

PIT NO: FWS TP 05

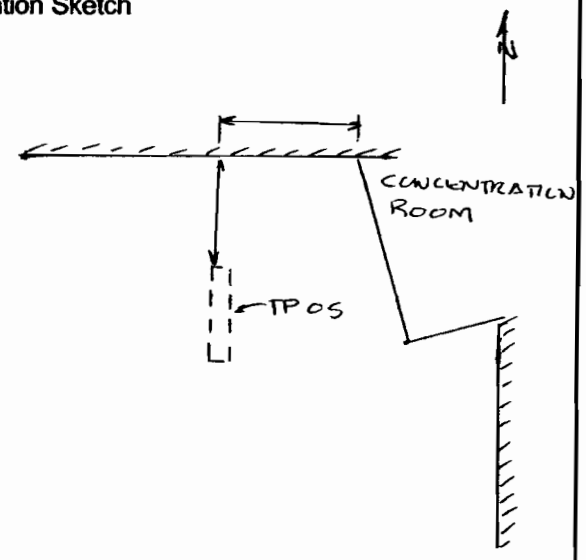
Project Name: FORMER WELCHS FOOD SITE
Project No: 200403
Project Location: BROCTON, N.Y.
Date: 12/22/00

Description NORTH OF TANKER SLAB
Depth 6'

0	**Surface:** SNOW COVERED, FROZEN, WEEDS
	SM, SILTY SAND, BLACK, DAMP, FINE-MEDIUM GRAINED
1	ASHES, CLINKERS, POSSIBLY GREASEY, NO ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, BROWN CLINKERS, SCRAP
2	METAL, BROKEN GLASS, MUSTY ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, BROWN CLINKERS, SCRAP
3	METAL, BROKEN GLASS, MUSTY ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, BROWN CLINKERS, SCRAP
4	METAL, BROKEN BOTTLES, MUSTY ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, BROWN CLINKERS,
5	SCRAP METAL, MUSTY ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, SCRAP METAL, MUSTY
6	ODOR.

Comments:

Location Sketch



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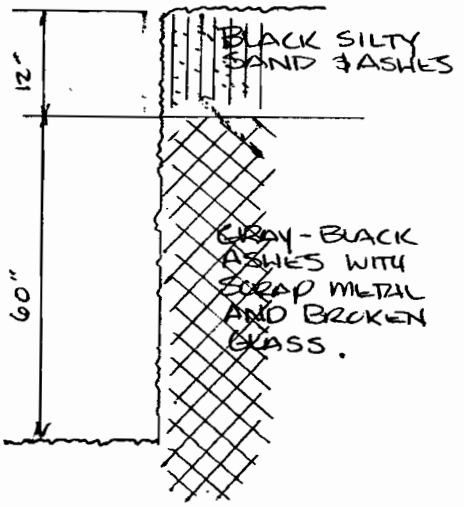


Geologist: D. McCOY
Operator: L. HOWARD

TEST PIT LOG

PIT NO: FWS TP 06

Project Name: FORMER WELCHS FOOD SITE SI/RAR
Project Location: BROCTON, N.Y.
Project No: 200403
Date: 12/22/00

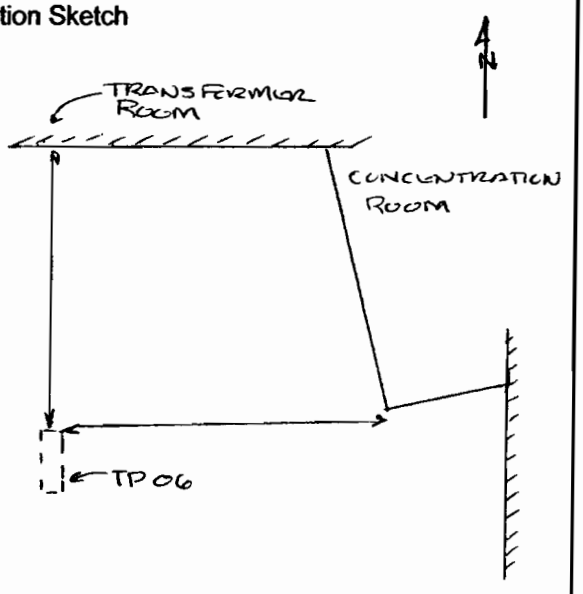
Description SOUTH OF TRANSFORMER ROOM, WEST OF TANKER SLAB

Depth 6'

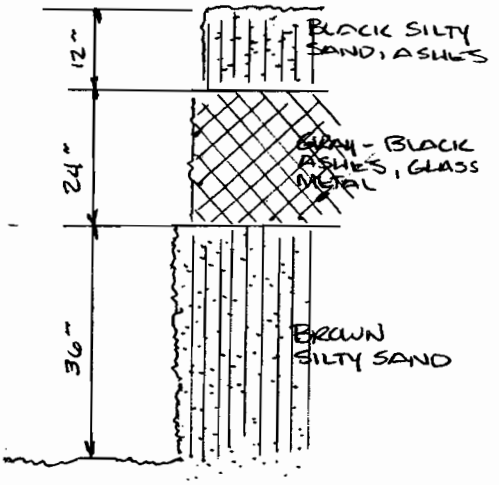
0	**Surface:** SNOW COVERED, FROZEN WEEDS, BRUSH
	SM, SILTY SAND, BLACK, DAMP, FINE - MEDIUM GRAINED
1	ASHES, GRAVEL, TRASH, NO ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, BROKEN GLASS, METAL
2	NO ODOR
	FILL, ASHES, GRAY-BLACK, DAMP, BROKEN GLASS, METAL
3	JUNK, NO ODOR
	SM, SILTY SAND, BROW-BLACK, DAMP, MEDIUM GRAINED
4	NO ODOR
	SM, SILTY SAND, BROWN, DAMP, MEDIUM GRAINED
5	NO ODOR
	SM, SILTY SAND, BROWN, DAMP, MEDIUM GRAINED
6	NO ODOR

Comments:

Location Sketch



Cross Section:



Geologist: D. McCoy

Operator: L. HOWARD

APPENDIX B

MONITORING WELL INSTALLATION REPORT

MONITORING WELL INSTALLATION REPORT

PROJECT: FORMER WELCH FOOD SITE	GEOLOGIST: D. McCoy
FILE NO.: 1	DRILLER: S. GINGRICH
CONTRACTOR: NATURES WAY	WELL NO.: MW 01
DATE OF INSTALLATION: 12/18/00	BORING NO.: 1
LOCATION: NW of bldg.	SHEET: 1 OF 1

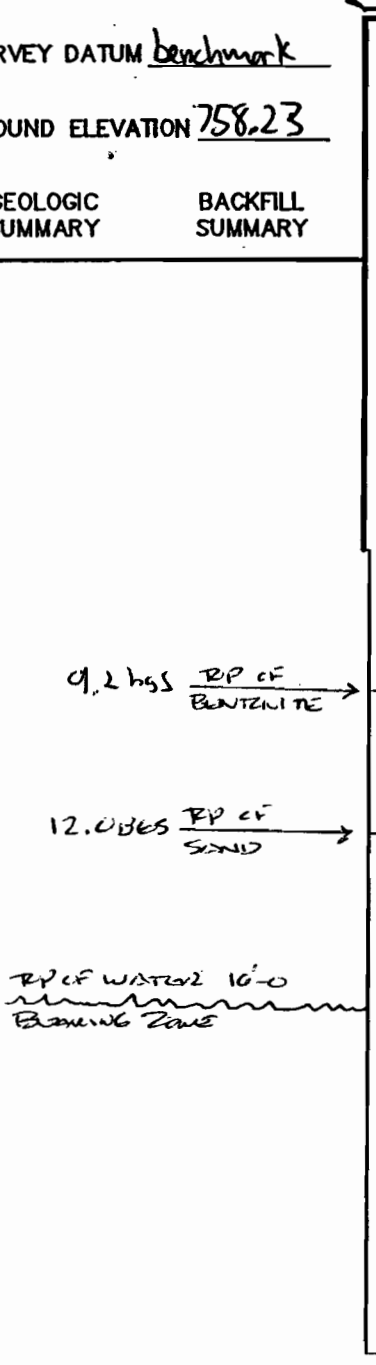
LOCK NO.: 2016

SURVEY DATUM: benchmark

GROUND ELEVATION: 758.23

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	FLUSH TO GROUND
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	FAIRFIELD INDUSTRIES ROAD BOX SET IN 16" X 16" CONC. SLAB 0.40'
THICKNESS OF SURFACE SEAL	9.2'
TYPE OF SURFACE SEAL	TYPE I CONCRETE
TYPE OF PROTECTIVE CASING	STEEL
INSIDE DIAMETER OF PROTECTIVE CASING	8" DIA
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	12" BGS
INSIDE DIAMETER OF RISER PIPE	2" I.D.
TYPE OF BACKFILL AROUND RISER	bentonite
DIAMETER OF BORE HOLE WITHIN TEST SECTION	8"
TYPE OF COUPLING	BOX THREAD W/O RING
ELEVATION/DEPTH OF TOP OF SCREEN	13.6 BGS
TYPE OF WELL SCREEN	SLOT
SCREEN SLOT SIZE	10 SLOT
DIAMETER OF WELL SCREEN	2" I.D. / 2¼
TYPE OF BACKFILL AROUND WELL SCREEN	#6 GLOBAL FILTER SAND
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	23.6
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	24.1 BGS

(FIGURES REFER TO ELEVATION ____ DEPTH X)

MONITORING WELL INSTALLATION REPORT

PROJECT Former Welch Feed Site
FILE NO. 2
CONTRACTOR Natures Way
DATE OF INSTALLATION 12/19/00
LOCATION S of bldg.

GEOLOGIST D. McCoy
DRILLER S. Gingrich
WELL NO. MW02
BORING NO. 2
SHEET 1 OF 1

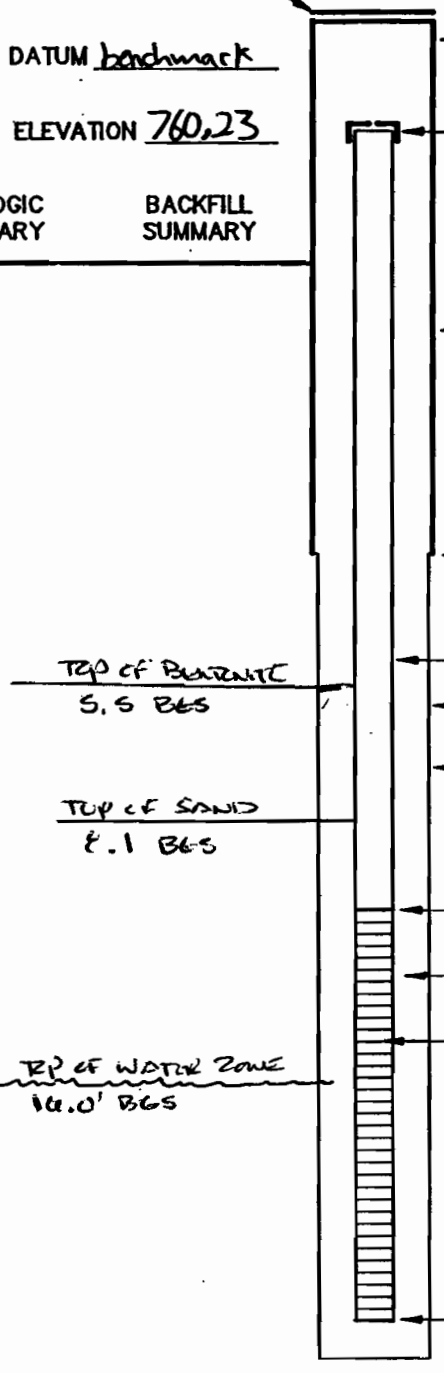
LOCK NO. 2616

SURVEY DATUM benchmark

GROUND ELEVATION 760.23

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	Flush to Ground Fairfield Industrial Slot in 16x16 conc slab
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	0.41' BGS
THICKNESS OF SURFACE SEAL	5.5'
TYPE OF SURFACE SEAL	Bored Poured Seal
TYPE OF PROTECTIVE CASING	8" Dia Steel
INSIDE DIAMETER OF PROTECTIVE CASING	8"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	12"
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	bentonite
DIAMETER OF BORE HOLE WITHIN TEST SECTION	8"
TYPE OF COUPLING	Pck Thread w/ O-Ring
ELEVATION/DEPTH OF TOP OF SCREEN	10.0 BGS
TYPE OF WELL SCREEN	2" PVC
SCREEN SLOT SIZE	10 slot
DIAMETER OF WELL SCREEN	2¼" I.D. 2" O.D.
TYPE OF BACKFILL AROUND WELL SCREEN	#6 Global Filter Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	19.5' BGS
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	20.0' BGS

(FIGURES REFER TO ELEVATION ____ DEPTH ✓)

MONITORING WELL INSTALLATION REPORT

PROJECT	Former Welch Feed Site	GEOLOGIST	D. McCoy
FILE NO.	200403	DRILLER	Steve Gingerich
CONTRACTOR	Nature's Way	WELL NO.	MW 03
DATE OF INSTALLATION	12/19/00	BORING NO.	3
LOCATION	SW of bldg.	SHEET	1 OF 1

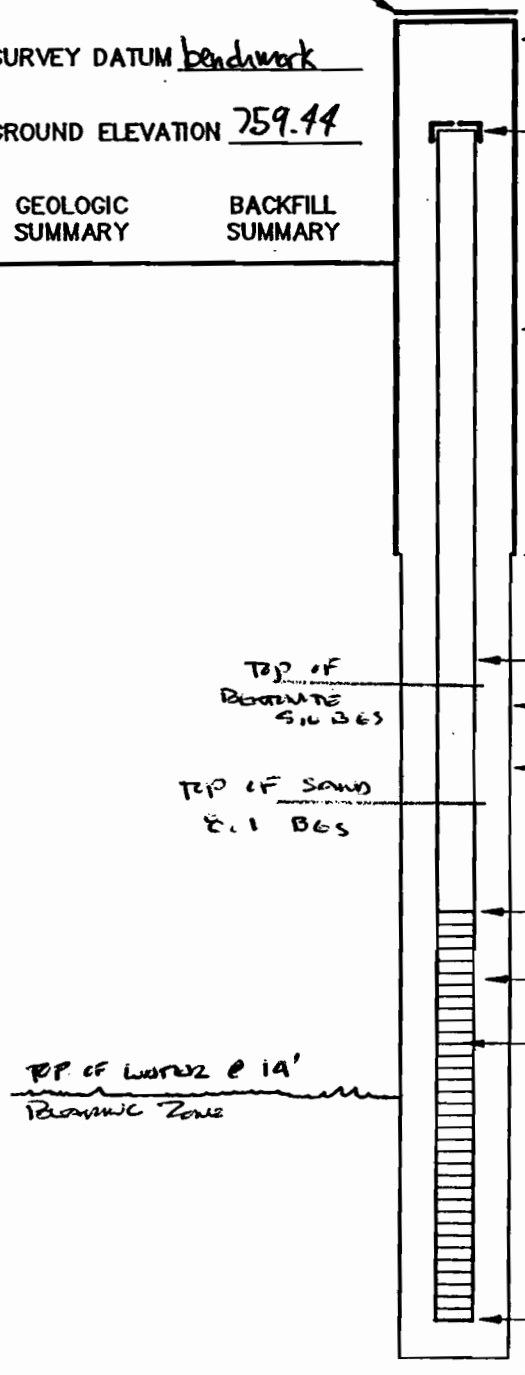
LOCK NO. 2616

SURVEY DATUM benchmark

GROUND ELEVATION 759.44

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	FLUSH TO GROUND FAIRFIELD INDUSTRIES ROAD BOX SET IN 16"x16" CONC. SLAB
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	0.40'
THICKNESS OF SURFACE SEAL	5.0'
TYPE OF SURFACE SEAL	BOREHOLE PLUG TO SURF. ~~TYPE I CONCRETE~~
TYPE OF PROTECTIVE CASING	8" DIA STEEL
INSIDE DIAMETER OF PROTECTIVE CASING	8"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	12" BGS
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	bentonite
DIAMETER OF BORE HOLE WITHIN TEST SECTION	8"
TYPE OF COUPLING	Bev Thread w/ O RING
ELEVATION/DEPTH OF TOP OF SCREEN	9.7 BGS
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	10 SLOT
DIAMETER OF WELL SCREEN	2" I.D. 2¼" O.D
TYPE OF BACKFILL AROUND WELL SCREEN	#6 GLOBAL FILTER SAND.
ELEVATION/(DEPTH) OF BOTTOM OF WELL SCREEN	19.7' BGS
ELEVATION/(DEPTH) OF BOTTOM OF BOREHOLE	20.2' BGS

(FIGURES REFER TO ELEVATION ____ DEPTH ✓)

MONITORING WELL INSTALLATION REPORT

PROJECT Former Welch Food Site	GEOLOGIST D. McCoy
FILE NO. 1	DRILLER S. Gingrich
CONTRACTOR Natures Way	WELL NO. MW-04
DATE OF INSTALLATION 12/22/00	BORING NO. 8
LOCATION E of bldg	SHEET 1 OF 1

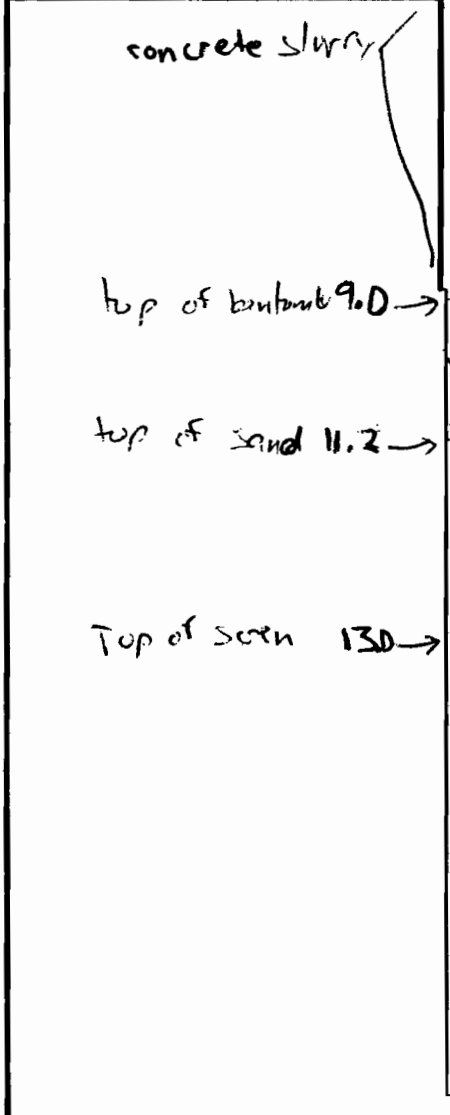
LOCK NO. 26016

SURVEY DATUM benchmark

GROUND ELEVATION 752.73

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	Flush to Ground
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	0.30
THICKNESS OF SURFACE SEAL	9.0'
TYPE OF SURFACE SEAL	Concrete
TYPE OF PROTECTIVE CASING	Steel
INSIDE DIAMETER OF PROTECTIVE CASING	8"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	12" BGS
INSIDE DIAMETER OF RISER PIPE	2.0"
TYPE OF BACKFILL AROUND RISER	bentonite/slurry
DIAMETER OF BORE HOLE WITHIN TEST SECTION	8"
TYPE OF COUPLING	threaded
ELEVATION/DEPTH OF TOP OF SCREEN	13'
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	no ID
DIAMETER OF WELL SCREEN	2.0"
TYPE OF BACKFILL AROUND WELL SCREEN	no 6 sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	23.0
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	23.0

(FIGURES REFER TO ELEVATION ____ DEPTH ✓)

MONITORING WELL INSTALLATION REPORT

PROJECT Former Welch Foods Site
FILE NO. 1
CONTRACTOR NATURES WAY
DATE OF INSTALLATION 12/26/00
LOCATION NE corner of bldg.

GEOLOGIST MCG
DRILLER S. Gingrich
WELL NO. MW05
BORING NO. 9
SHEET 1 OF 1

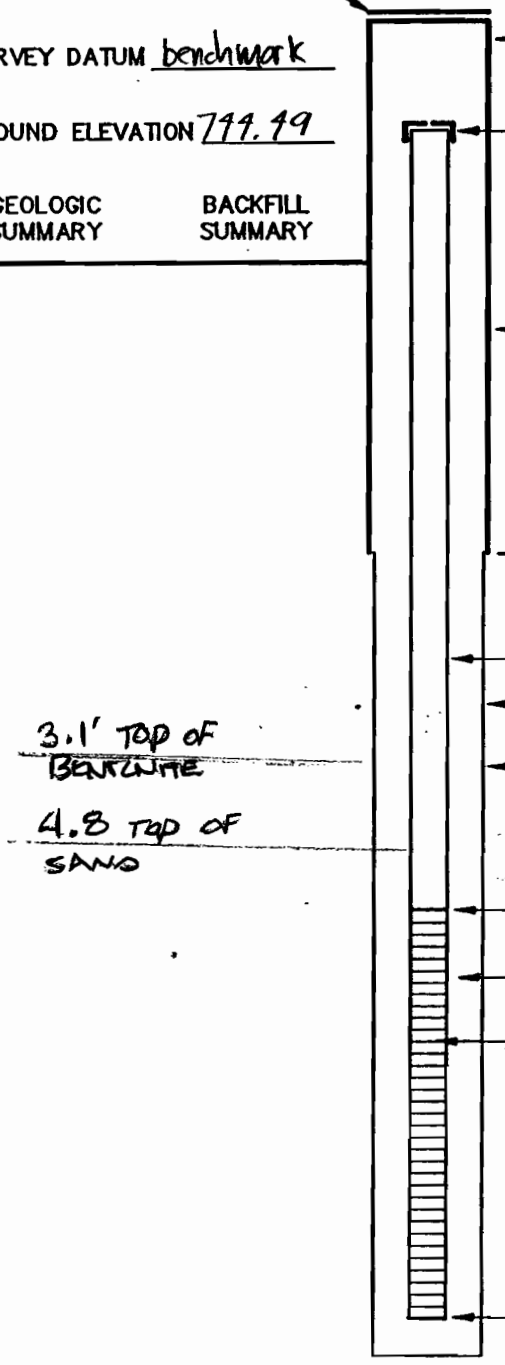
LOCK NO. 2616

SURVEY DATUM benchmark

GROUND ELEVATION 799.99

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	below
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	0.91'
THICKNESS OF SURFACE SEAL	3.1'
TYPE OF SURFACE SEAL	Bakad Bentosa
TYPE OF PROTECTIVE CASING	STEEL
INSIDE DIAMETER OF PROTECTIVE CASING	12"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	12" BGS
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	bentonite
DIAMETER OF BORE HOLE WITHIN TEST SECTION	6"
TYPE OF COUPLING	Bex THREAD W/O RING
ELEVATION/DEPTH OF TOP OF SCREEN	5.6
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	10 SLOT
DIAMETER OF WELL SCREEN	2" I.D / 2 1/4" O.D
TYPE OF BACKFILL AROUND WELL SCREEN	#6 GLOBAL FILTER SAND
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	15.6
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	16.1 BGS

(FIGURES REFER TO ELEVATION ____ DEPTH ✓)

MONITORING WELL INSTALLATION REPORT

PROJECT: Former Wilcus Feed Site
FILE NO.: 200403
CONTRACTOR: Nothnagle Well
DATE OF INSTALLATION: 12/26/00
LOCATION: Bergen N.Y.

GEOLOGIST: D. McCoy
DRILLER: S. Gingerich
WELL NO.:
BORING NO.: MW06 (TB03)
SHEET: 1 OF

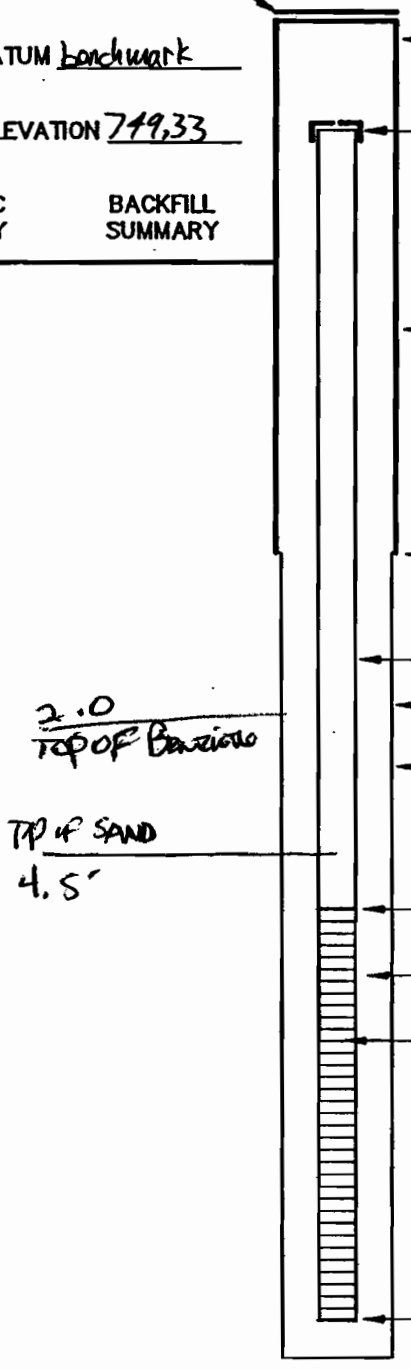
LOCK NO.: 2616

SURVEY DATUM: benchmark

GROUND ELEVATION: 749.33

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/(BELOW) GROUND SURFACE OF CASING	below
ELEVATION/STICK UP ABOVE/(BELOW) GROUND SURFACE OF RISER PIPE	0.36'
THICKNESS OF SURFACE SEAL	2.0'
TYPE OF SURFACE SEAL	Bento Seal Grout
TYPE OF PROTECTIVE CASING	STEEL
INSIDE DIAMETER OF PROTECTIVE CASING	8"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	12"
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	bentonite/slurry
DIAMETER OF BORE HOLE WITHIN TEST SECTION	8" I
TYPE OF COUPLING	Box Thread W/O RING
ELEVATION/DEPTH OF TOP OF SCREEN	5.7
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	10 SLOT
DIAMETER OF WELL SCREEN	2" ID/2¼" O.D.
TYPE OF BACKFILL AROUND WELL SCREEN	#6 Global Filter SAND
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	15.7
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	16.2 BGS

(FIGURES REFER TO ELEVATION ____ DEPTH ✓)

APPENDIX C

WELL DEVELOPMENT/SAMPLING LOGS

WELL DEVELOPMENT LOG

FWS MW 01
HOLE NO:

Project Name: Former Wallus Food Site
Project Location: Brockton, N.Y.

Project No: 200403
Date: 1/9/01
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 23.59' (from TOC)

(2) Depth to Water: 13.94' ft (from TOC)

(3) Column of Water: 9.65' (#1 - #2)

(4) Casing Diameter: 2.0 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.6 5 6 l gal

Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	13.94	13.94	13.99	13.98	13.98			
Vol Purged (gal)	-	6 l	6 l	6 l	6 l			
Time	8:00	10:35	10:43	10:53	11:00			
ORP/EH (MV)								
pH	~~4.87~~	4.87	5.18	5.56	5.35			
Cond. (MS/CM)		.210	.211	.224	.215			
Turb. (NTU)		10	428	>800	431			
D.O. (mg/l)		7.92	8.18	8.10	8.34			
Salinity (%)		0.00	0.00	0.00	0.00			
Temp. (°C)		8.2	9.0	9.9	10.2			

Total Volume Purged: 21 or 6 gal Total Purge Time: 25 min

Development Info:

Development Method: hand bail

Comments: Good Recovery, Turbidity is High

Logged By: D. McCoy

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WELL SAMPLING LOG

FWS MW a
HOLE NO:

Project Name: FORMER WELLIS FOOD SITE
Project Location: BROCTON N.Y.

Project No: 200403
Date: 1/9/07
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 23.59' (from TOC)
(2) Depth to Water: 13.9' ft (from TOC)
(3) Column of Water: 9.69' (#1 - #2)
(4) Casing Diameter: 2.0 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 1.6g (6l) gal
Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 13.9'

Vol Purged (gal)	6 l							
Time	3:30 (15:20)							
ORP/EH (MV)								
pH	5.91							
Cond. (MS/CM)	0.210							
Turb. (NTU)	10							
Salinity (%)	0.0							
D.O. (mg/l)	8.37							
Temp. (°C)	8.4							

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: dedicated bailer
Sample Time: 1520
No. of Bottles: 4 - 1 l amber, 4 - 1 l amber, 2 - VOAs
Sample Analyses: ASP-1, ASP-2, ASP-3

Comments:

MS/MSD + MS/MD @ 1520
TBG 1550

Logged By: DL McCoy

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Sheet 1 of 1

WELL DEVELOPMENT LOG

HOLE NO: FWS MW 03

Project Name: Former Wallace End Site
Project Location: Brocton, NY

Project No: 200403
Date: 1/9/01
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 19.74' (from TOC)
(2) Depth to Water: 15.83' (from TOC) ft
(3) Column of Water: 3.91' (#1 - #2)
(4) Casing Diameter: 2" in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 0.64 gal 2.4 l
Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	15.83	16.86	17.52	18.57	19.3			
Vol Purged (gal)	-	3 l	3 l	3 l	3 l			
Time	11:34am	11:43am	11:52am	11:55am				
ORP/EH (MV)								
pH		5.01	5.25	5.44	5.70			
Cond. (MS/CM)		.261	.245	.301	.303			
Turb. (NTU)		10	10	10	10			
D.O. (mg/l)		7.57	7.31	7.21	6.99			
Salinity (%)		0.01	0.01	0.01	0.01			
Temp. (°C)		8.6	11.0	11.2	11.3			

Total Volume Purged: 12 l or 3 gal Total Purge Time: 21 min

Development Info:

Development Method: hand bail

Comments: Slow Recovery, Turbidity Looks Good.

Logged By: D. McCoy

WELL SAMPLING LOG

TVGA

HOLE NO: FWS MW 03

Project Name: Former Wards Egg Site
Project Location: Bronx, N.Y.

Project No: 200403
Date: 1/10/01
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 19.71 (from TOC)

(2) Depth to Water: 15.87' (from TOC) ft

(3) Column of Water: 3.84 (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.625 ~~2.4~~ 4C 2.4l gal

Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	15.87	Ka 81	17.80	1864	18.05	17.24		
Vol Purged (gal)	2.5l	2.5l	2.5l					
Time	10:45 AM	10:50 AM	10:55 AM	11:00 AM	11:24 AM	12:20		
ORP/EH (MV)								
pH	5.39	5.46	5.52	-	-	5.62		
Cond. (MS/CM)	.313	.324	.319	-	-	.318		
Turb. (NTU)	4	210	256			7		
Salinity (%)	0.01	0.01	0.01	-	-	0.01		
D.O. (mg/l)	6.82	7.28	7.42	-	-	7.71		
Temp. (°C)	10.5	11.5	12.1	-	-	10.0		

Total Volume Purged: 7.5l or 2.0 gal Total Purge Time:

Sampling Info:

Sample Method: bailer

Sample Time: 12:20

No. of Bottles:

4-1 lambers	4-1 lambers
2-VOAs	2-VOAs
1-0.5l	1-0.5l
1-0.5l	1-0.5l

Sample Analyses: ASP-1, ASP-2, ASP-3

Comments: Sampled again from MW03 to include Field Duplicates.
purge 3 volumes

Logged By: D. McLay

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Sheet 1 of 1

WELL DEVELOPMENT LOG

HOLE NO: FJS MW 04

Project Name: Former Wilcox Food Site
Project Location: Brocton, NY

Project No: 200403
Date: 1/9/08
Screen Length: 15'

Purge Information:

(1) Depth to Bottom of Well: 27.01' (from TOC)

(2) Depth to Water: 20.98' (from TOC) ft

(3) Column of Water: 6.06' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.99 gal 3.73 l

Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 20.98 23.07 25.18 DRY

Vol Purged (gal)		4 l	4 l	3 l				
Time	1:15pm	1:28pm	1:37pm	1:47pm				
ORP/EH (MV)								
pH	~~6.75~~	6.75	7.05	7.43				
Cond. (MS/CM)		.572	.570	.507				
Turb. (NTU)		>800	>800	>800				
D.O. (mg/l)		6.25	5.46	6.00				
Salinity (%)		0.02	0.02	0.02				
Temp. (°C)		7.8	9.1	10.0				

Total Volume Purged: 11 l or 3 gal Total Purge Time: 32 min

Development Info:

Development Method: hand bailer

Comments: High Turbidity, Low Recovery Rate.
Silt accumulation on Bottom of well.

Logged By: D. McCoy

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WELL DEVELOPMENT LOG

FWS MW 04
HOLE NO:

Project Name: Former Welchs Food Site
Project Location: Brocton, NY

Project No: 200403
Date: 1/10/01
Screen Length: 15'

Purge Information:

(1) Depth to Bottom of Well: 27.56' (from TOC) 27.66' 27.56'
(2) Depth to Water: 21.29' ft (from TOC)
(3) Column of Water: 6.27' (#1 - #2)
(4) Casing Diameter: 2" in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 1.02 3.86l gal

Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	21.29'	21.81'	23.42'	26.54'	21.32'	26.04'		
Vol Purged (gal)	4 l	4 l	4 l	-	4 l	4 l		
Time	8:15am	8:50am	9:00am	-	1:15pm	1:30pm		
ORP/EH (MV)								
pH	5.77	7.10	7.14	-	7.05	7.38		
Cond. (MS/CM)	.478	.515	.462	-	.452	.497		
Turb. (NTU)	>800	>800	>800	-	340	>800		
D.O. (mg/l)	4.90	5.19	6.14	-	4.58	5.76		
Salinity (%)	0.01	0.02	0.01	-	0.01	0.02		
Temp. (°C)	10.9	10.5	10.2	-	9.9	10.6		

Total Volume Purged: 20 l or 5.3 gal Total Purge Time: 60 min

Development Info:

Development Method: hand bailer

Comments: 2nd & 3 Developments. Gray Clay and Silt Accumulation in well Bottom Hindi Turbidity, Slow Recovery

Logged By: Dave McKay

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WELL SAMPLING LOG

HOLE NO: FWS MW 04

Project Name: Former Welch's Feed Site
Project Location: Bretton, N.Y.

Project No: 200403
Date: 1/15/01
Screen Length: 15'

Purge Information:

(1) Depth to Bottom of Well: 27.50 (from TOC)

(2) Depth to Water: 21.22' (from TOC) ft

(3) Column of Water: 6.28 (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.02g 3.8 l gal

Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	21.22	21.19						
Vol Purged (gal)	4 l							
Time	9.05am	5:30pm						
ORP/EH (MV)								
pH		7.66						
Cond. (MS/CM)		.491						
Turb. (NTU)		269						
Salinity (%)		0.01						
D.O. (mg/l)		6.42						
Temp. (°C)		10.1						

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: dedicated bailer

No. of Bottles: see below

Sample Time: 17:30

Sample Analyses: ASP-1, ASP-2, ASP-3

Comments: TBC Tubing to Sample

Fulco 2 VOAs, 4-1l Ambers, 1-1l HDPE, 2-½l HDPEs

@ 5:30

FWS MW 04 OB GW 0

Logged By: D. McKay

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WELL DEVELOPMENT LOG

HOLE NO: FWS-MW 04

Project Name: Former Welches Food Site
Project Location: Brocton NY

Project No: 200403
Date: 8-1-01
Screen Length: 15'

Purge Information:

(1) Depth to Bottom of Well: ≈ 27.5 (from TOC)
(2) Depth to Water: 21.43 ft (from TOC)
(3) Column of Water: 6.07 (#1 - #2)
(4) Casing Diameter: 2" in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 0.989 gal gal
Method of Purging: WaTerra/Bailer/Submersible/Other: Perisaltic Pump

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	21.43	-	-	24.1				
Vol Purged (gal)		4L	4L	4L				
Time	12.25	12:37	12:50	1:01	1:12			
Duration & Vol.		6 min/2L	4L - 14 min	4L - 24 min				
pH		6.79	7.26	7.37	7.01			
Cond. (MS/CM)		0.581	0.575	0.504	0.518			
Turb. (NTU)		13	202	314	214			
D.O. (mg/l)		14.25	18.9	16.03	18.46			
Salinity (%)		0.02	0.02	0.02	0.02			
Temp. (°C)		20.9	15.2	16.2	18.3			

Total Volume Purged: 16 L gal Total Purge Time: ≈ 45 min

Development Info:
Development Method: Perisaltic Pump

Comments: Prior to purging we did a pump rinse sample
Cal @ 3:10 pH- 4.01, Cond - 4.55, Sal - 0.23 Turb - 0 D.O. - 7.3
Temp - 36.2°C

Logged By: James C. Manzella

WELL SAMPLING LOG

HOLE NO: FWS MW04

Project Name: Former Welches Food Site
Project Location: Dracton Ny

Project No: 200 403
Date: 8-1-01
Screen Length: 15'

Purge Information:

(1) Depth to Bottom of Well: ≈ 275 (from TOC)

(2) Depth to Water: 221 ft (from TOC)

(3) Column of Water: 5.4 (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.88 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: Peristaltic Pump

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 22.10 23.86 after sample

Vol Purged (gal)		4L	sample					
Time	15.15	15:20	15.33					
ORP/EH (MV)		14 min 4L						
pH		7.02	7.06					
Cond. (MS/CM)		0.489	0.521					
Turb. (NTU)		160	770					
Salinity (%)		0.02	0.02					
D.O. (mg/l)		14.22	16.21					
Temp. (°C)		19.3	15.2					

Total Volume Purged: 4L gal Total Purge Time: ≈ 18 min

Sampling Info:

Sample Method: Peristaltic Pump

Sample Time: 15:33

No. of Bottles: 2

Sample Analyses: ASP

Comments:

1-dissolved metals & 1-cyinde

Logged By: James C. Manzella

WELL DEVELOPMENT LOG

FWS MW 05
HOLE NO:

Project Name: Former Wilcus Food site
Project Location: Brocton, NY

Project No: 200403
Date: 1/10/01
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 15.59 (from TOC)
(2) Depth to Water: 14.26 ft (from TOC)
(3) Column of Water: 1.33 (#1 - #2)
(4) Casing Diameter: 2" in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 0.21 g 0.81 l gal

Method of Purging: WaTerra/Bailer/Submersible/Other: Disposable Bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	14.26'	DRY	14.24'		DRY			
Vol Purged (gal)	1	1	1	1				
Time	9:10 AM		1:40pm	1:47pm	1:50pm			
ORP/EH (MV)								
pH	6.23	-	6.22	-	-			
Cond. (MS/CM)	3.97	-	3.78	-	-			
Turb. (NTU)	730	-	189	-	-			
D.O. (mg/l)	7.84	-	7.74 ~~7.4~~	-	-			
Salinity (%)	0.01	-	0.01	-	-			
Temp. (°C)	8.0	-	10.0	-	-			

Total Volume Purged: 15 l 4 gal Total Purge Time: 30min

Development Info:

Development Method: hand bail

Comments: Slow Recovery, develop to dryness

Logged By: D. McCoy

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WELL SAMPLING LOG

HOLE NO: FWS MW 05

Project Name: Former Wilcus Ford Site
Project Location: Bracken, NY.

Project No: 200403
Date: 1/15/01
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 15.53 (from TOC)

(2) Depth to Water: 14.35 ft (from TOC)

(3) Column of Water: 1.18' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.2 g 0.74 l gal

Method of Purging: WaTerra/Bailer/Submersible/Other: disposable bailer

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:	14.35	14.40	14.45					
Vol Purged (gal)	1 l		1 l					
Time	8:45am	12:30	5:00					
ORP/EH (MV)	-							
pH	-	6.3						
Cond. (MS/CM)	-	~~3.57~~ 357 ~~.30~~	.367					
Turb. (NTU)	-	12	8					
Salinity (%)	-	0.01	0.01					
D.O. (mg/l)	-	9.47	9.46					
Temp. (°C)	-	11.3	10.5					

Total Volume Purged: 3 l or <1.0 gal Total Purge Time: 7 hrs.

Sampling Info:

Sample Method: hand bailer

No. of Bottles: below

Sample Time: 14:15

Sample Analyses: ASP-1, ASP-2, ASP-3

Comments: Filled Vons @ 12:35, 2-1 l AMBERS FWS MW 05 CB GW 0

Filled @ ~~5:00~~ 5:00, 2-l AMBERS, 1-½ l HDPE, 1-½ l

Logged By: D. McCoy

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APPENDIX D

FLI ANALYTICAL LABORATORY REPORT

APPENDIX D-1

SOIL BORING SAMPLES LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB01-N-O
Description: GRAB
Sampled On: 18-DEC-00 12:08 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.495	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	84.9	%		21-DEC-00 00:00	CLP 3.0	00-132-95
luminum	8190	mg/kg	4.75	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
Antimony	U	mg/kg	2.47	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
rsenic	10	mg/kg	0.550	28-DEC-00 00:00	EPA 206.2 CLPM	00-026-20
Barium	57.5	mg/kg	0.396	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
eryllium	0.384 B	mg/kg	0.099	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
admium	U	mg/kg	0.396	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
Calcium	1830	mg/kg	1.88	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
hromium	7.76	mg/kg	0.792	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
Cobalt	8.5	mg/kg	0.990	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
opper	34.5	mg/kg	0.297	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
ron	20600	mg/kg	0.990	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
Lead	18	mg/kg	2.20	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
agnesium	2590	mg/kg	5.94	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
Manganese	683	mg/kg	0.198	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
ercury	0.014	mg/kg	0.0110	27-DEC-00 00:00	EPA 245.1 CLPM	98-011-29
Nickel	21.9	mg/kg	0.990	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
otassium	1100	mg/kg	11.0	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
elenium	U	mg/kg	0.220	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.594	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
odium	250 B	mg/kg	13.9	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10

Results calculated on a dry weight basis.

port Comment: NO TRIP BLANK RECEIVED

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB01-H-0
Description: GRAB
Sampled On: 18-DEC-00 12:08 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.76 B	mg/kg	0.220	27-DEC-00 00:00	EPA 279.2 CLPM	00-028-49
Vanadium	11.8	mg/kg	0.693	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
Zinc	82.5	mg/kg	0.297	28-DEC-00 04:12	EPA 200.7 CLPM	00-178-10
ASP 95-1						
Chloromethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Bromomethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Vinyl chloride	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Chloroethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Methylene chloride	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Acetone	12	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Carbon disulfide	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,1-Dichloroethene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
trans-1,2-Dichloroethene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,1-Dichloroethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
cis-1,2-Dichloroethene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
MEK(2-Butanone)	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Chloroform	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,1,1-Trichloroethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Carbon tetrachloride	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Benzene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,2-Dichloroethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Trichloroethene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,2-Dichloropropane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Bromodichloromethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
cis-1,3-Dichloropropene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Toluene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
trans-1,3-Dichloropropene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,1,2-Trichloroethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Tetrachloroethene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
2-Hexanone	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Dibromochloromethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Chlorobenzene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Ethylbenzene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
p-Xylene/m-Xylene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
o-Xylene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Styrene	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
Bromoform	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434
1,1,2,2-Tetrachloroethane	U	ug/kg	12	26-DEC-00 15:37	ASP 95-1	00-163-3434

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB01-H-O
Description: GRAB
Sampled On: 18-DEC-00 12:08 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	11	ug/kg	J	5.16		
Unknown	6	ug/kg	J	16.26		
Unknown	6	ug/kg	J	19.08		
Unknown	10	ug/kg	J	19.27		
Unknown	25	ug/kg	J	20.66		
Surrogate Recovery:						
1,2-Dichloroethane-d4	94	%				00-163-3434
Toluene-d8	100	%				00-163-3434
4-Bromofluorobenzene	91	%				00-163-3434
ASP 95-3						
alpha-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
beta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
Lindane (gamma-BHC)	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
delta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
Heptachlor	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
Aldrin	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
Heptachlor epoxide	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
alpha-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
Endosulfan I	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
gamma-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2384
4,4'-DDE	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Dieldrin	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Endrin	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Endosulfan II	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
4,4'-DDD	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Endrin aldehyde	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Endosulfan sulfate	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
4,4'-DDT	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Endrin Ketone	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-2384
Methoxychlor	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2384
Toxaphene	U	ug/kg	200	11-JAN-01 00:00	ASP 95-3	99-127-2384
PCB 1016	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-2384
PCB 1221	U	ug/kg	79	11-JAN-01 00:00	ASP 95-3	99-127-2384
PCB 1232	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-2384
PCB 1242	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-2384
PCB 1248	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-2384
PCB 1254	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-2384

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

CLP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB01-H-O
Description: GRAB
Sampled On: 18-DEC-00 12:08 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PCB 1260	U		ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-2384
Extraction Information:					21-DEC-00 00:00	EPA 3550	00-135-78
Surrogate Recovery:							
Tetrachloro-m-xylene	150		%				99-127-2384
Decachlorobiphenyl	159	*	%				99-127-2384
Analysis Comment:* Surrogate recovery out of acceptance limits.							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Phenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2-Chlorophenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
1,3-Dichlorobenzene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
1,4-Dichlorobenzene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
1,2-Dichlorobenzene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Bis(2-chloroisopropylether)	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2-Methylphenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Hexachloroethane	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
N-Nitrosodi-N-propylamine	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Methylphenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Nitrobenzene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Isophorone	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2-Nitrophenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2,4-Dimethylphenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Bis(2-chloroethoxymethane)	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2,4-Dichlorophenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
1,2,4-Trichlorobenzene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Naphthalene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Chloroaniline	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Hexachlorobutadiene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Chloro-3-methylphenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2-Methylnaphthalene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Hexachlorocyclopentadiene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2,4,6-Trichlorophenol	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2,4,5-Trichlorophenol	U		ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
2-Chloronaphthalene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2-Nitroaniline	U		ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
Dimethyl phthalate	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Acenaphthylene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2,6-Dinitrotoluene	U		ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
3-Nitroaniline	U		ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB01-H-O
Description: GRAB
Sampled On: 18-DEC-00 12:08 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
cenaphthene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
,4-Dinitrophenol	U	ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
ibenzofuran	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
2,4-Dinitrotoluene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Nitrophenol	U	ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
iethyl phthalate	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
luorene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Chlorophenylphenylether	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Nitroaniline	U	ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
4-Methyl-4,6-dinitrophenol	U	ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
-Nitrosodiphenylamine	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
-Bromophenylphenylether	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Hexachlorobenzene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Pentachlorophenol	U	ug/kg	980	02-JAN-01 18:02	ASP 95-2	00-165-1342
henanthrene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
nthracene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
arbazole	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Di-n-butyl phthalate	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Fluoranthene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
yrene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
utylbenzyl phthalate	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
enzo(a)anthracene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
3,3-Dichlorobenzidine	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Chrysene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
is-2-ethylhexyl phthalate	180 J	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
i-n-octyl phthalate	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
enzo(b)fluoranthene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Benzo(k)fluoranthene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Benzo(a)pyrene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
ndeno(1,2,3-cd)pyrene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
ibenzo(a,h)anthracene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Benzo(g,h,i)perylene	U	ug/kg	390	02-JAN-01 18:02	ASP 95-2	00-165-1342
Extraction Information:				21-DEC-00 00:00		00-115-85

esults calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB01-H-O
Description: GRAB
Sampled On: 18-DEC-00 12:08 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	780	ug/kg	J	32.39		
Surrogate Recovery:						
2-Fluorophenol	88	%				00-165-1342
Phenol-d5	91	%				00-165-1342
2-Chlorophenol-d4	98	%				00-165-1342
1,2-Dichlorobenzene-d4	75	%				00-165-1342
Nitrobenzene-d5	81	%				00-165-1342
2-Fluorobiphenyl	84	%				00-165-1342
2,4,6-Tribromophenol	85	%				00-165-1342
Terphenyl-d14	104	%				00-165-1342

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB02-A/B-0
Description: GRAB
Sampled On: 20-DEC-00 16:20 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
yanide, Total	2.04	mg/kg	0.562	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	85.7	%		26-DEC-00 00:00	CLP 3.0	00-132-97
luminum	8620	mg/kg	5.09	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.65	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Arsenic	7.6	mg/kg	0.550	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
arium	58.5	mg/kg	0.424	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Beryllium	0.596	mg/kg	0.106	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
admium	0.733	mg/kg	0.424	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Calcium	5990	mg/kg	2.02	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
hromium	7.45	mg/kg	0.849	09-JAN-01 08:21	EPA 200.7 CLPM	00-178-14
obalt	5.88	mg/kg	1.06	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Copper	32.2	mg/kg	0.318	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
ron	21400	mg/kg	1.06	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Lead	37	mg/kg	2.20	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
agnesium	2120	mg/kg	6.36	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Manganese	469	mg/kg	0.212	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Mercury	0.052	mg/kg	0.0090	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
ickel	16.3	mg/kg	1.06	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Potassium	909	mg/kg	11.8	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
elenium	U	mg/kg	0.220	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.636	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
odium	167 B	mg/kg	14.9	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13

esults calculated on a dry weight basis.

Approved by: _____ Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB02-A/B-0
Description: GRAB
Sampled On: 20-DEC-00 16:20 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.6 B	mg/kg	0.220	04-JAN-01 00:00	EPA 279.2 CLPM	00-028-53
Vanadium	13.1	mg/kg	0.743	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
Zinc	100	mg/kg	0.318	05-JAN-01 09:38	EPA 200.7 CLPM	00-178-13
ASP 95-1						
Chloromethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Bromomethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Vinyl chloride	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Chloroethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Methylene chloride	7 J	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Acetone	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Carbon disulfide	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,1-Dichloroethene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
trans-1,2-Dichloroethene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,1-Dichloroethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
cis-1,2-Dichloroethene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
MEK(2-Butanone)	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Chloroform	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,1,1-Trichloroethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Carbon tetrachloride	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Benzene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,2-Dichloroethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Trichloroethene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,2-Dichloropropane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Bromodichloromethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
cis-1,3-Dichloropropene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Toluene	5 J	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
trans-1,3-Dichloropropene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,1,2-Trichloroethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Tetrachloroethene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
2-Hexanone	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Dibromochloromethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Chlorobenzene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Ethylbenzene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
p-Xylene/m-Xylene	5 J	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
o-Xylene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Styrene	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
Bromoform	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449
1,1,2,2-Tetrachloroethane	U	ug/kg	11	27-DEC-00 13:21	ASP 95-1	00-163-3449

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB02-A/B-0
Description: GRAB
Sampled On: 20-DEC-00 16:20 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ibrary Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	6	ug/kg	J	4.81		
nknown	15	ug/kg	J	5.17		
nknown	8	ug/kg	J	20.67		
urrogate Recovery:						
,2-Dichloroethane-d4	101	%				00-163-3449
oluene-d8	112	%				00-163-3449
4-Bromofluorobenzene	72	%				00-163-3449
Analysis Comment:Internal standard 4 recovery below limits. Confirmed by file C3439.						
SP 95-3						
alpha-BHC	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
eta-BHC	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
indane (gamma-BHC)	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
elta-BHC	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
Heptachlor	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
Aldrin	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
eptachlor epoxide	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
lpha-Chlordane	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
Endosulfan I	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
gamma-Chlordane	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2389F
4,4'-DDE	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
ieldrin	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
ndrin	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
Endosulfan II	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
4,4'-DDD	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
ndrin aldehyde	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
ndosulfan sulfate	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
4'-DDT	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
Endrin Ketone	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2389F
Methoxychlor	U	ug/kg	200	11-JAN-01 00:00	ASP 95-3	99-127-2389F
oxaphene	U	ug/kg	2000	11-JAN-01 00:00	ASP 95-3	99-127-2389F
CB 1016	U	ug/kg	380	11-JAN-01 00:00	ASP 95-3	99-127-2389F
CB 1221	U	ug/kg	780	11-JAN-01 00:00	ASP 95-3	99-127-2389F
PCB 1232	U	ug/kg	380	11-JAN-01 00:00	ASP 95-3	99-127-2389F
PCB 1242	U	ug/kg	380	11-JAN-01 00:00	ASP 95-3	99-127-2389F
CB 1248	U	ug/kg	380	11-JAN-01 00:00	ASP 95-3	99-127-2389F
CB 1254	U	ug/kg	380	11-JAN-01 00:00	ASP 95-3	99-127-2389F

esults calculated on a dry weight basis.

Approved by: _____ Lab Director

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Date:19-JAN-2001

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Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB02-A/B-0
Description: GRAB
Sampled On: 20-DEC-00 16:20 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PCB 1260	U		ug/kg	380	11-JAN-01 00:00	ASP 95-3	99-127-238
Extraction Information:					22-DEC-00 00:00		00-135-80
Surrogate Recovery:							
Tetrachloro-m-xylene	124		%				99-127-238
Decachlorobiphenyl	184	D	%				99-127-238
Analysis Comment:D-diluted out							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Phenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Chlorophenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
1,3-Dichlorobenzene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
1,4-Dichlorobenzene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
1,2-Dichlorobenzene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Bis(2-chloroisopropylether)	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Methylphenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Hexachloroethane	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
N-Nitrosodi-N-propylamine	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
4-Methylphenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Nitrobenzene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Isophorone	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Nitrophenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2,4-Dimethylphenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Bis(2-chloroethoxymethane)	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2,4-Dichlorophenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
1,2,4-Trichlorobenzene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Naphthalene	230	J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
4-Chloroaniline	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Hexachlorobutadiene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
4-Chloro-3-methylphenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Methylnaphthalene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Hexachlorocyclopentadiene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2,4,6-Trichlorophenol	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2,4,5-Trichlorophenol	U		ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Chloronaphthalene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Nitroaniline	U		ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
Dimethyl phthalate	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Acenaphthylene	320	J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2,6-Dinitrotoluene	U		ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
3-Nitroaniline	U		ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
Acenaphthene	210	J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB02-A/B-0
Description: GRAB
Sampled On: 20-DEC-00 16:20 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
',4-Dinitrophenol	U	ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
iibenzofuran	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
2,4-Dinitrotoluene	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
4-Nitrophenol	U	ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
Diethyl phthalate	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
luorene	390 J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
-Chlorophenylphenylether	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
4-Nitroaniline	U	ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
2-Methyl-4,6-dinitrophenol	U	ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
-Nitrosodiphenylamine	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
-Bromophenylphenylether	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
exachlorobenzene	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Pentachlorophenol	U	ug/kg	4800	04-JAN-01 13:17	ASP 95-2	00-165-1364
Phenanthrene	4500	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
nthracene	880 J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
arbazole	330 J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
i-n-butyl phthalate	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Fluoranthene	8100	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Pyrene	9800	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
utylbenzyl phthalate	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
enzo(a)anthracene	5200	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
,3-Dichlorobenzidine	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Chrysene	4900	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Bis-2-ethylhexyl phthalate	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
i-n-octyl phthalate	U	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
enzo(b)fluoranthene	7500	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Benzo(k)fluoranthene	3100	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Benzo(a)pyrene	4700	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Indeno(1,2,3-cd)pyrene	2300	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
ibenzo(a,h)anthracene	430 J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
enzo(g,h,i)perylene	1600 J	ug/kg	1900	04-JAN-01 13:17	ASP 95-2	00-165-1364
Extraction Information:				22-DEC-00 00:00		00-115-86

ibrary Search Compounds:	Results	Units	Qual	Retention Time

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB02-A/B-0
Description: GRAB
Sampled On: 20-DEC-00 16:20 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	810	ug/kg	J	10.88			
Unknown	710	ug/kg	J	24.03			
Unknown	620	ug/kg	J	27.11			
Unknown	840	ug/kg	J	27.19			
Unknown	1200	ug/kg	J	27.43			
Unknown	660	ug/kg	J	28.1			
Unknown	470	ug/kg	J	28.88			
Unknown	460	ug/kg	J	29.12			
Unknown	730	ug/kg	J	29.62			
Unknown	1000	ug/kg	J	31.13			
Unknown	450	ug/kg	J	31.34			
Unknown	560	ug/kg	J	31.44			
Unknown	710	ug/kg	J	32.75			
Unknown	480	ug/kg	J	33.2			
Unknown	460	ug/kg	J	35.14			
Unknown	3700	ug/kg	J	37.79			
16 Library search compounds detected.							
Surrogate Recovery:							
2-Fluorophenol	68		%				00-165-1364
Phenol-d5	79		%				00-165-1364
2-Chlorophenol-d4	88		%				00-165-1364
1,2-Dichlorobenzene-d4	68		%				00-165-1364
Nitrobenzene-d5	66		%				00-165-1364
2-Fluorobiphenyl	67		%				00-165-1364
2,4,6-Tribromophenol	75		%				00-165-1364
Terphenyl-d14	88		%				00-165-1364

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB04-1/S-0
Description: GRAB 3
Sampled On: 20-DEC-00 15:00 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.517	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	86.9	%		26-DEC-00 00:00	CLP 3.0	00-132-97
Aluminum	10100	mg/kg	4.89	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.55	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Arsenic	12	mg/kg	0.540	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
Barium	126	mg/kg	0.407	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Beryllium	0.536	mg/kg	0.102	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Cadmium	0.671	mg/kg	0.407	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Calcium	9520	mg/kg	1.93	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Chromium	8.6	mg/kg	0.815	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Cobalt	12.4	mg/kg	1.02	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Copper	38.1	mg/kg	0.306	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Iron	31700	mg/kg	5.09	05-JAN-01 08:57	EPA 200.7 CLPM	00-178-13
Lead	15	mg/kg	2.20	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	5870	mg/kg	6.11	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Manganese	459	mg/kg	0.204	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Mercury	U	mg/kg	0.0090	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	27.9	mg/kg	1.02	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Potassium	1320	mg/kg	11.3	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Selenium	U	mg/kg	0.220	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.611	11-JAN-01 03:44	EPA 200.7 CLPM	01-017-01
Sodium	383 B	mg/kg	14.3	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB04-I/S-0
Description: GRAB
Sampled On: 20-DEC-00 15:00 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	1 B	mg/kg	0.220	04-JAN-01 00:00	EPA 279.2 CLPM	00-028-53
Vanadium	13.6	mg/kg	0.713	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
Zinc	144	mg/kg	0.306	05-JAN-01 08:54	EPA 200.7 CLPM	00-178-13
ASP 95-1						
Chloromethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Bromomethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Vinyl chloride	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Chloroethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Methylene chloride	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Acetone	8 J	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Carbon disulfide	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,1-Dichloroethene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
trans-1,2-Dichloroethene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,1-Dichloroethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
cis-1,2-Dichloroethene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
MEK(2-Butanone)	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Chloroform	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,1,1-Trichloroethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Carbon tetrachloride	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Benzene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,2-Dichloroethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Trichloroethene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,2-Dichloropropane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Bromodichloromethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
cis-1,3-Dichloropropene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Toluene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
trans-1,3-Dichloropropene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,1,2-Trichloroethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Tetrachloroethene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
2-Hexanone	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Dibromochloromethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Chlorobenzene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Ethylbenzene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
p-Xylene/m-Xylene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
o-Xylene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Styrene	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
Bromoform	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438
1,1,2,2-Tetrachloroethane	U	ug/kg	10	26-DEC-00 17:49	ASP 95-1	00-163-3438

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB04-I/S-0
Description: GRAB
Sampled On: 20-DEC-00 15:00 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ibrary Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	9	ug/kg	J	5.17		
nknown	9	ug/kg	J	17.35		
nknown	32	ug/kg	J	19.27		
Unknown	87	ug/kg	J	20.65		
urrogate Recovery:						
,2-Dichloroethane-d4	91	%				00-163-3438
Toluene-d8	108	%				00-163-3438
4-Bromofluorobenzene	90	%				00-163-3438
SP 95-3						
alpha-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
beta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
indane (gamma-BHC)	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
lelta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
Heptachlor	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
Aldrin	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
Heptachlor epoxide	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
lpha-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
ndosulfan I	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
Gamma-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2388
4,4'-DDE	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
Dieldrin	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
ndrin	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
ndosulfan II	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
4,4'-DDD	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
Endrin aldehyde	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
Endosulfan sulfate	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
,4'-DDT	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
ndrin Ketone	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2388
Methoxychlor	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-2388
Toxaphene	U	ug/kg	200	11-JAN-01 00:00	ASP 95-3	99-127-2388
CB 1016	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2388
CB 1221	U	ug/kg	77	11-JAN-01 00:00	ASP 95-3	99-127-2388
CB 1232	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2388
PCB 1242	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2388
PCB 1248	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2388
CB 1254	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2388
CB 1260	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2388

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date:19-JAN-2001

Lab Sample ID: L61454-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB04-1/S-0
Description: GRAB
Sampled On: 20-DEC-00 15:00 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					22-DEC-00 00:00		00-135-80
Surrogate Recovery:							
Tetrachloro-m-xylene	165	*	%				99-127-2388
Decachlorobiphenyl	190	*	%				99-127-2388
Analysis Comment:* Surrogate recovery out of acceptance limits.							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Phenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Chlorophenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
1,3-Dichlorobenzene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
1,4-Dichlorobenzene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
1,2-Dichlorobenzene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Bis(2-chloroisopropylether)	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Methylphenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Hexachloroethane	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
N-Nitrosodi-N-propylamine	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
4-Methylphenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Nitrobenzene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Isophorone	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Nitrophenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2,4-Dimethylphenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Bis(2-chloroethoxymethane)	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2,4-Dichlorophenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
1,2,4-Trichlorobenzene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Naphthalene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
4-Chloroaniline	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Hexachlorobutadiene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
4-Chloro-3-methylphenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Methylnaphthalene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Hexachlorocyclopentadiene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2,4,6-Trichlorophenol	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2,4,5-Trichlorophenol	U		ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Chloronaphthalene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Nitroaniline	U		ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
Dimethyl phthalate	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Acenaphthylene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2,6-Dinitrotoluene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
3-Nitroaniline	U		ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
Acenaphthene	U		ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
2,4-Dinitrophenol	U		ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
Results calculated on a dry weight basis.							

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB04-I/S-0
Description: GRAB
Sampled On: 20-DEC-00 15:00 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ibenzofuran	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
,4-Dinitrotoluene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
4-Nitrophenol	U	ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
Diethyl phthalate	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
luorene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
-Chlorophenylphenylether	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
-Nitroaniline	U	ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
2-Methyl-4,6-dinitrophenol	U	ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
N-Nitrosodiphenylamine	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
-Bromophenylphenylether	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
lexachlorobenzene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
entachlorophenol	U	ug/kg	950	02-JAN-01 14:17	ASP 95-2	00-165-1338
Phenanthrene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Anthracene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
arbazole	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
i-n-butyl phthalate	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
luoranthene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Pyrene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Butylbenzyl phthalate	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
enzo(a)anthracene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
,3-Dichlorobenzidine	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Chrysene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Bis-2-ethylhexyl phthalate	110 J,B	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Di-n-octyl phthalate	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
enzo(b)fluoranthene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
enzo(k)fluoranthene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Benzo(a)pyrene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Indeno(1,2,3-cd)pyrene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Dibenzo(a,h)anthracene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
enzo(g,h,i)perylene	U	ug/kg	380	02-JAN-01 14:17	ASP 95-2	00-165-1338
Extraction Information:				22-DEC-00 00:00		00-115-86

rary Search Compounds:	Results	Units	Qual	Retention Time

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB04-I/S-0
Description: GRAB
Sampled On: 20-DEC-00 15:00 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	81	ug/kg	J	19.13			
Unknown	83	ug/kg	J	20.15			
Unknown	270	ug/kg	J	20.45			
Unknown	94	ug/kg	J	20.82			
Unknown	120	ug/kg	J	22.41			
Unknown	96	ug/kg	J	23.12			
Unknown	230	ug/kg	J	23.86			
Unknown	140	ug/kg	J	23.91			
Unknown	120	ug/kg	J	23.95			
Unknown	140	ug/kg	J	26.71			
Unknown	140	ug/kg	J	28			
Unknown	130	ug/kg	J	29.24			
Unknown	210	ug/kg	J	30.43			
Unknown	210	ug/kg	J	31.56			
Unknown	240	ug/kg	J	32.65			
Unknown	230	ug/kg	J	33.71			
Unknown	200	ug/kg	J	34.72			
Unknown	200	ug/kg	J	35.68			
Unknown	210	ug/kg	J	36.62			
Unknown	220	ug/kg	J	37.53			
Unknown	160	ug/kg	J	38.45			
Surrogate Recovery:							
2-Fluorophenol	62		%				00-165-1338
Phenol-d5	65		%				00-165-1338
2-Chlorophenol-d4	76		%				00-165-1338
1,2-Dichlorobenzene-d4	63		%				00-165-1338
Nitrobenzene-d5	67		%				00-165-1338
2-Fluorobiphenyl	72		%				00-165-1338
2,4,6-Tribromophenol	63		%				00-165-1338
Terphenyl-d14	70		%				00-165-1338

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB05-DEF-0
Description: GRAB
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.513	03-JAN-01 00:00	EPA 335.2 CLPM	00-013-84
Total Solids	83.6	%		26-DEC-00 00:00	CLP 3.0	00-132-97
Aluminum	11400	mg/kg	5.74	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.99	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Arsenic	8.5	mg/kg	0.550	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
Barium	116	mg/kg	0.478	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Beryllium	0.602	mg/kg	0.120	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Cadmium	U	mg/kg	0.478	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Calcium	1640	mg/kg	2.27	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Chromium	11	mg/kg	0.957	09-JAN-01 08:24	EPA 200.7 CLPM	00-178-14
Cobalt	14.8	mg/kg	1.20	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Copper	34.8	mg/kg	0.359	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Iron	33200	mg/kg	23.9	05-JAN-01 09:56	EPA 200.7 CLPM	00-178-13
Lead	20	mg/kg	2.20	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	3830	mg/kg	7.18	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Manganese	787	mg/kg	0.239	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Mercury	0.033	mg/kg	0.0110	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	33.2	mg/kg	1.20	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Potassium	1410	mg/kg	13.3	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Selenium	U	mg/kg	0.220	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.718	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Sodium	202 B	mg/kg	16.7	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB05-DEF-0
Description: GRAB
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	1 B	mg/kg	0.220	05-JAN-01 00:00	EPA 279.2 CLPM	00-028-54
Vanadium	15.2	mg/kg	0.837	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
Zinc	116	mg/kg	0.359	05-JAN-01 09:44	EPA 200.7 CLPM	00-178-13
ASP 95-1						
Chloromethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Bromomethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Vinyl chloride	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
Chloroethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Methylene chloride	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Acetone	9 J	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Carbon disulfide	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
1,1-Dichloroethene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
trans-1,2-Dichloroethene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
1,1-Dichloroethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
cis-1,2-Dichloroethene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
MEK(2-Butanone)	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Chloroform	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
1,1,1-Trichloroethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Carbon tetrachloride	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Benzene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
1,2-Dichloroethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Trichloroethene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
1,2-Dichloropropane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Bromodichloromethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
cis-1,3-Dichloropropene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Toluene	2 J	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
trans-1,3-Dichloropropene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
1,1,2-Trichloroethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Tetrachloroethene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
2-Hexanone	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
Dibromochloromethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
Chlorobenzene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
Ethylbenzene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
p-Xylene/m-Xylene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
o-Xylene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
Styrene	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-344
Bromoform	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34
1,1,2,2-Tetrachloroethane	U	ug/kg	12	26-DEC-00 18:53	ASP 95-1	00-163-34

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-10

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1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB05-DEF-0
Description: GRAB
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	11	ug/kg	J	5.16		
Unknown	9	ug/kg	J	19.26		
Surrogate Recovery:						
1,2-Dichloroethane-d4	93	%				00-163-344
Toluene-d8	104	%				00-163-344
4-Bromofluorobenzene	91	%				00-163-344
ASP 95-3						
alpha-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
beta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Lindane (gamma-BHC)	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
delta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Heptachlor	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Aldrin	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Heptachlor epoxide	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
alpha-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Endosulfan I	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
gamma-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
4,4'-DDE	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Dieldrin	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Endosulfan II	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
4,4'-DDD	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin aldehyde	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Endosulfan sulfate	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
4,4'-DDT	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin Ketone	U	ug/kg	3.9	11-JAN-01 00:00	ASP 95-3	99-127-239
Methoxychlor	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-239
Toxaphene	U	ug/kg	200	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1016	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1221	U	ug/kg	80	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1232	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1242	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1248	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1254	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1260	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-239

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				22-DEC-00 00:00		00-135-80
Surrogate Recovery:						
Tetrachloro-m-xylene	118	%				99-127-239
Decachlorobiphenyl	128	%				99-127-239
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Phenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Chlorophenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
1,3-Dichlorobenzene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
1,4-Dichlorobenzene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
1,2-Dichlorobenzene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Bis(2-chloroisopropylether)	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Methylphenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Hexachloroethane	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
N-Nitrosodi-N-propylamine	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Methylphenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Nitrobenzene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Isophorone	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Nitrophenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,4-Dimethylphenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Bis(2-chloroethoxymethane)	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,4-Dichlorophenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
1,2,4-Trichlorobenzene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Naphthalene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Chloroaniline	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Hexachlorobutadiene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Chloro-3-methylphenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Methylnaphthalene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Hexachlorocyclopentadiene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,4,6-Trichlorophenol	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,4,5-Trichlorophenol	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Chloronaphthalene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Nitroaniline	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
Dimethyl phthalate	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Acenaphthylene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,6-Dinitrotoluene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
3-Nitroaniline	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
Acenaphthene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,4-Dinitrophenol	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
Dibenzofuran	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
2,4-Dinitrotoluene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Nitrophenol	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB05-DEF-0
Description: GRAB
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Fluorene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Chlorophenylphenylether	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Nitroaniline	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
2-Methyl-4,6-dinitrophenol	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
N-Nitrosodiphenylamine	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
4-Bromophenylphenylether	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Hexachlorobenzene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Pentachlorophenol	U	ug/kg	990	02-JAN-01 15:14	ASP 95-2	00-165-133
Phenanthrene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Anthracene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Carbazole	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Di-n-butyl phthalate	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Fluoranthene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Pyrene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Butylbenzyl phthalate	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Benzo(a)anthracene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
3,3-Dichlorobenzidine	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Chrysene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Bis-2-ethylhexyl phthalate	64 J,B	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Di-n-octyl phthalate	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Benzo(b)fluoranthene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Benzo(k)fluoranthene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Benzo(a)pyrene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Indeno(1,2,3-cd)pyrene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Dibenzo(a,h)anthracene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Benzo(g,h,i)perylene	U	ug/kg	400	02-JAN-01 15:14	ASP 95-2	00-165-133
Extraction Information:				22-DEC-00 00:00		00-115-86

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	210	ug/kg	J	20.45
Unknown	280	ug/kg	J	23.86

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-TB05-DEF-0
Description: GRAB
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	81	ug/kg	J	32.66			
Unknown	99	ug/kg	J	34.71			
Unknown	100	ug/kg	J	35.68			
Unknown	960	ug/kg	JB	36.42			
Unknown	160	ug/kg	J	36.62			
Unknown	130	ug/kg	J	37.52			
Surrogate Recovery:							
2-Fluorophenol	50		%				00-165-13
Phenol-d5	55		%				00-165-133
2-Chlorophenol-d4	64		%				00-165-133
1,2-Dichlorobenzene-d4	51		%				00-165-133
Nitrobenzene-d5	51		%				00-165-13
2-Fluorobiphenyl	56		%				00-165-13
2,4,6-Tribromophenol	69		%				00-165-133
Terphenyl-d14	72		%				00-165-133

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MS, FWS-TB05-DEF
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	4.83	mg/kg	0.512	03-JAN-01 00:00	EPA 335.2 CLPM	00-013-84
Aluminum	11200	mg/kg	5.04	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Antimony	19.3	mg/kg	2.62	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Arsenic	12	mg/kg	0.510	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
Barium	316	mg/kg	0.420	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Beryllium	5.44	mg/kg	0.105	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Cadmium	5.32	mg/kg	0.420	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Chromium	30.2	mg/kg	0.839	09-JAN-01 08:27	EPA 200.7 CLPM	00-178-14
Cobalt	63.1	mg/kg	1.05	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Copper	56.7	mg/kg	0.315	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Iron	28700	mg/kg	21.0	05-JAN-01 09:59	EPA 200.7 CLPM	00-178-13
Lead	30	mg/kg	2.00	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Manganese	1110	mg/kg	0.210	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Mercury	0.093	mg/kg	0.0120	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	81.8	mg/kg	1.05	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Selenium	1	mg/kg	0.200	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	3.25	mg/kg	0.630	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Thallium	6.9	mg/kg	0.200	05-JAN-01 00:00	EPA 279.2 CLPM	00-028-54
Vanadium	63.2	mg/kg	0.734	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13
Zinc	157	mg/kg	0.315	05-JAN-01 09:47	EPA 200.7 CLPM	00-178-13

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MS, FWS-TB05-DEF
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ASP 95-1						
Chloromethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Bromomethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Vinyl chloride	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Chloroethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Methylene chloride	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-346
Acetone	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Carbon disulfide	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
1,1-Dichloroethene	58	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
trans-1,2-Dichloroethene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
1,1-Dichloroethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-346
cis-1,2-Dichloroethene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
MEK(2-Butanone)	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Chloroform	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
1,1,1-Trichloroethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Carbon tetrachloride	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-346
Benzene	56	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
1,2-Dichloroethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Trichloroethene	50	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
1,2-Dichloropropane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Bromodichloromethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
cis-1,3-Dichloropropene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Toluene	58	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
trans-1,3-Dichloropropene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
1,1,2-Trichloroethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Tetrachloroethene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
2-Hexanone	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
Dibromochloromethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Chlorobenzene	53	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-346
Ethylbenzene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
p-Xylene/m-Xylene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34
o-Xylene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Styrene	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-344
Bromoform	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-346
1,1,2,2-Tetrachloroethane	U	ug/kg	12	26-DEC-00 19:57	ASP 95-1	00-163-34

Results calculated on a dry weight basis.

QC: NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MS, FWS-TB05-DEF
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
1,2-Dichloroethane-d4	93	%				00-163-344
Toluene-d8	103	%				00-163-344
4-Bromofluorobenzene	91	%				00-163-344
ASP 95-3						
Lindane (gamma-BHC)	90	%		11-JAN-01 00:00	ASP 95-3	99-127-239
Heptachlor	95	%		11-JAN-01 00:00	ASP 95-3	99-127-239
Aldrin	105	%		11-JAN-01 00:00	ASP 95-3	99-127-239
Dieldrin	105	%		11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin	88	%		11-JAN-01 00:00	ASP 95-3	99-127-239
4,4'-DDT	90	%		11-JAN-01 00:00	ASP 95-3	99-127-239
Extraction Information:				22-DEC-00 00:00		00-135-80
Surrogate Recovery:						
Tetrachloro-m-xylene	107	%				99-127-239
Decachlorobiphenyl	94	%				99-127-239
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Phenol	1800	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2-Chlorophenol	1900	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
1,3-Dichlorobenzene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
1,4-Dichlorobenzene	1300	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
1,2-Dichlorobenzene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Bis(2-chloroisopropylether)	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2-Methylphenol	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Hexachloroethane	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
N-Nitrosodi-N-propylamine	760	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
4-Methylphenol	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Nitrobenzene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Isophorone	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2-Nitrophenol	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2,4-Dimethylphenol	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Bis(2-chloroethoxymethane)	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2,4-Dichlorophenol	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
1,2,4-Trichlorobenzene	1400	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Naphthalene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
4-Chloroaniline	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Hexachlorobutadiene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
4-Chloro-3-methylphenol	1400	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2-Methylnaphthalene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Hexachlorocyclopentadiene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-11

TVGA
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1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MS, FWS-TB05-DEF
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4,6-Trichlorophenol	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2,4,5-Trichlorophenol	U	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-134
2-Chloronaphthalene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
2-Nitroaniline	U	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-13
Dimethyl phthalate	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Acenaphthylene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2,6-Dinitrotoluene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
3-Nitroaniline	U	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-13
Acenaphthene	1700	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
2,4-Dinitrophenol	U	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-134
Dibenzofuran	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
2,4-Dinitrotoluene	1600	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
4-Nitrophenol	2000	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-13
Diethyl phthalate	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Fluorene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
4-Chlorophenylphenylether	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
4-Nitroaniline	U	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-13
2-Methyl-4,6-dinitrophenol	U	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-13
N-Nitrosodiphenylamine	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
4-Bromophenylphenylether	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Hexachlorobenzene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Pentachlorophenol	2400	ug/kg	990	02-JAN-01 18:57	ASP 95-2	00-165-13
Phenanthrene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Anthracene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Carbazole	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Di-n-butyl phthalate	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Fluoranthene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Pyrene	2200	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Butylbenzyl phthalate	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Benzo(a)anthracene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
3,3-Dichlorobenzidine	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Chrysene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Bis-2-ethylhexyl phthalate	79 J	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Di-n-octyl phthalate	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Benzo(b)fluoranthene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Benzo(k)fluoranthene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Benzo(a)pyrene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Indeno(1,2,3-cd)pyrene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-13
Dibenzo(a,h)anthracene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134
Benzo(g,h,i)perylene	U	ug/kg	400	02-JAN-01 18:57	ASP 95-2	00-165-134

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MS, FWS-TB05-DEF
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				22-DEC-00 00:00		00-115-86
Surrogate Recovery:						
2-Fluorophenol	60	%				00-165-134
Phenol-d5	68	%				00-165-134
2-Chlorophenol-d4	78	%				00-165-134
1,2-Dichlorobenzene-d4	63	%				00-165-134
Nitrobenzene-d5	67	%				00-165-134
2-Fluorobiphenyl	70	%				00-165-134
2,4,6-Tribromophenol	75	%				00-165-134
Terphenyl-d14	90	%				00-165-134

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MSD/DUP,FWSTB05
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.462	03-JAN-01 00:00	EPA 335.2 CLPM	00-013-84
Total Solids Analysis Comment:L61484-10	84.4	%		26-DEC-00 00:00	CLP 3.0	00-132-97
Aluminum	10100	mg/kg	5.37	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.79	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Arsenic	7.7	mg/kg	0.510	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
Barium	107	mg/kg	0.447	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Beryllium	0.576	mg/kg	0.112	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Cadmium	0.766	mg/kg	0.447	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Calcium	1640	mg/kg	2.12	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Chromium	9.86	mg/kg	0.894	09-JAN-01 08:30	EPA 200.7 CLPM	00-178-14
Cobalt	12.8	mg/kg	1.12	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Copper	31	mg/kg	0.335	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Iron	28700	mg/kg	22.4	05-JAN-01 10:02	EPA 200.7 CLPM	00-178-13
Lead	18	mg/kg	2.00	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	3410	mg/kg	6.71	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Manganese	980	mg/kg	0.224	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Mercury	0.049	mg/kg	0.0090	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	31	mg/kg	1.12	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Potassium	1220	mg/kg	12.4	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13
Selenium	U	mg/kg	0.200	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.671	05-JAN-01 09:50	EPA 200.7 CLPM	00-178-13

Results calculated on a dry weight basis.

Approved by: _____
Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MSD/DUP,FWSTB05
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2,2-Tetrachloroethane	U	ug/kg	11	26-DEC-00 20:29	ASP 95-1	00-163-344
Surrogate Recovery:						
1,2-Dichloroethane-d4	93	%				00-163-344
Toluene-d8	102	%				00-163-344
4-Bromofluorobenzene	90	%				00-163-344
ASP 95-3						
Lindane (gamma-BHC)	95	%		11-JAN-01 00:00	ASP 95-3	99-127-23
Heptachlor	95	%		11-JAN-01 00:00	ASP 95-3	99-127-23
Aldrin	110	%		11-JAN-01 00:00	ASP 95-3	99-127-23
Dieldrin	105	%		11-JAN-01 00:00	ASP 95-3	99-127-23
Endrin	90	%		11-JAN-01 00:00	ASP 95-3	99-127-23
4,4'-DDT	100	%		11-JAN-01 00:00	ASP 95-3	99-127-23
Extraction Information:				22-DEC-00 00:00		00-135-80
Surrogate Recovery:						
Tetrachloro-m-xylene	104	%				99-127-23
Decachlorobiphenyl	92	%				99-127-23
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Phenol	1700	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2-Chlorophenol	1800	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
1,3-Dichlorobenzene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
1,4-Dichlorobenzene	1300	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
1,2-Dichlorobenzene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Bis(2-chloroisopropylether)	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2-Methylphenol	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Hexachloroethane	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
N-Nitrosodi-N-propylamine	460	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
4-Methylphenol	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Nitrobenzene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Isophorone	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2-Nitrophenol	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2,4-Dimethylphenol	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Bis(2-chloroethoxymethane)	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2,4-Dichlorophenol	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
1,2,4-Trichlorobenzene	1400	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Naphthalene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
4-Chloroaniline	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Hexachlorobutadiene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
4-Chloro-3-methylphenol	1100	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2-Methylnaphthalene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MSD/DUP,FWSTB05
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Referenc
Hexachlorocyclopentadiene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
2,4,6-Trichlorophenol	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2,4,5-Trichlorophenol	U	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-1
2-Chloronaphthalene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
2-Nitroaniline	U	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-135
Dimethyl phthalate	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Acenaphthylene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
2,6-Dinitrotoluene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
3-Nitroaniline	U	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-1
Acenaphthene	1600	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
2,4-Dinitrophenol	U	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-135
Dibenzofuran	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
2,4-Dinitrotoluene	1600	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
4-Nitrophenol	2900	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-1
Diethyl phthalate	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Fluorene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
4-Chlorophenylphenylether	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
4-Nitroaniline	U	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-1
2-Methyl-4,6-dinitrophenol	U	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-13
N-Nitrosodiphenylamine	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
4-Bromophenylphenylether	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Hexachlorobenzene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
Pentachlorophenol	2700	ug/kg	980	03-JAN-01 21:26	ASP 95-2	00-165-1
Phenanthrene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Anthracene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Carbazole	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Di-n-butyl phthalate	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-1
Fluoranthene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Pyrene	1800	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Butylbenzyl phthalate	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Benzo(a)anthracene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
3,3-Dichlorobenzidine	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Chrysene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Bis-2-ethylhexyl phthalate	81 J	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Di-n-octyl phthalate	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Benzo(b)fluoranthene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Benzo(k)fluoranthene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Benzo(a)pyrene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13
Indeno(1,2,3-cd)pyrene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Dibenzo(a,h)anthracene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-135
Benzo(g,h,i)perylene	U	ug/kg	390	03-JAN-01 21:26	ASP 95-2	00-165-13

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: L61454-10MSD/DUP,FWSTB05
Description: L61454-10
Sampled On: 21-DEC-00 13:45 by CLIENT
Date Received: 22-DEC-00 09:57
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				22-DEC-00 00:00		00-115-86
Surrogate Recovery:						
2-Fluorophenol	52	%				00-165-135
Phenol-d5	59	%				00-165-135
2-Chlorophenol-d4	71	%				00-165-135
1,2-Dichlorobenzene-d4	60	%				00-165-135
Nitrobenzene-d5	65	%				00-165-135
2-Fluorobiphenyl	64	%				00-165-135
2,4,6-Tribromophenol	65	%				00-165-135
Terphenyl-d14	74	%				00-165-135

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW01-C-D
Description: GRAB
Sampled On: 18-DEC-00 14:00 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.495	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	88.6	%		21-DEC-00 00:00	CLP 3.0	00-132-9
Aluminum	9640	mg/kg	5.11	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10
Antimony	U	mg/kg	2.66	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Arsenic	7.3	mg/kg	0.470	28-DEC-00 00:00	EPA 206.2 CLPM	00-026-20
Barium	53.1	mg/kg	0.426	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Beryllium	0.443 B	mg/kg	0.106	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Cadmium	U	mg/kg	0.426	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10
Calcium	1140	mg/kg	2.02	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Chromium	7.57	mg/kg	0.852	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10
Cobalt	8.31	mg/kg	1.06	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Copper	31.9	mg/kg	0.319	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Iron	23100	mg/kg	5.32	28-DEC-00 04:18	EPA 200.7 CLPM	00-178-10
Lead	9.8	mg/kg	1.90	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-9
Magnesium	3370	mg/kg	6.39	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10
Manganese	374	mg/kg	0.213	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Mercury	0.017	mg/kg	0.0110	27-DEC-00 00:00	EPA 245.1 CLPM	98-011-29
Nickel	21.7	mg/kg	1.06	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Potassium	1080	mg/kg	11.8	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Selenium	U	mg/kg	0.190	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.639	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-1
Sodium	44.6 B	mg/kg	14.9	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00083

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW01-C-O
Description: GRAB
Sampled On: 18-DEC-00 14:00 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.63 B	mg/kg	0.190	27-DEC-00 00:00	EPA 279.2 CLPM	00-028-49
Vanadium	13	mg/kg	0.745	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10
Zinc	84.4	mg/kg	0.319	28-DEC-00 04:30	EPA 200.7 CLPM	00-178-10
ASP 95-1						
Chloromethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Bromomethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Vinyl chloride	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Chloroethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Methylene chloride	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Acetone	9 J	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Carbon disulfide	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,1-Dichloroethene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
trans-1,2-Dichloroethene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,1-Dichloroethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
cis-1,2-Dichloroethene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
MEK(2-Butanone)	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Chloroform	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,1,1-Trichloroethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Carbon tetrachloride	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Benzene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,2-Dichloroethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Trichloroethene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,2-Dichloropropane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Bromodichloromethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
cis-1,3-Dichloropropene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Toluene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
trans-1,3-Dichloropropene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,1,2-Trichloroethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Tetrachloroethene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
2-Hexanone	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Dibromochloromethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Chlorobenzene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Ethylbenzene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
p-Xylene/m-Xylene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
o-Xylene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Styrene	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
Bromoform	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343
1,1,2,2-Tetrachloroethane	U	ug/kg	10	26-DEC-00 16:11	ASP 95-1	00-163-343

Results calculated on a dry weight basis.

 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW01-C-O
Description: GRAB
Sampled On: 18-DEC-00 14:00 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	11	ug/kg	J	5.16		
Unknown	6	ug/kg	J	19.28		
Unknown	13	ug/kg	J	20.67		
Surrogate Recovery:						
1,2-Dichloroethane-d4	96	%				00-163-343
Toluene-d8	103	%				00-163-343
4-Bromofluorobenzene	88	%				00-163-3
ASP 95-3						
alpha-BHC	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
beta-BHC	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-2
Lindane (gamma-BHC)	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-2
delta-BHC	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
Heptachlor	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
Aldrin	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
Heptachlor epoxide	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-2
alpha-Chlordane	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan I	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
gamma-Chlordane	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
4,4'-DDE	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
Dieldrin	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2
Endrin	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan II	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
4,4'-DDD	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
Endrin aldehyde	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
Endosulfan sulfate	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDT	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2
Endrin Ketone	U	ug/kg	190	11-JAN-01 00:00	ASP 95-3	99-127-238
Methoxychlor	U	ug/kg	190	11-JAN-01 00:00	ASP 95-3	99-127-238
Toxaphene	U	ug/kg	1900	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1016	U	ug/kg	370	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1221	U	ug/kg	760	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1232	U	ug/kg	370	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1242	U	ug/kg	370	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1248	U	ug/kg	370	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1254	U	ug/kg	370	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1260	U	ug/kg	370	11-JAN-01 00:00	ASP 95-3	99-127-238

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW01-C-0
Description: GRAB
Sampled On: 18-DEC-00 14:00 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				21-DEC-00 00:00	EPA 3550	00-135-78
Surrogate Recovery:						
Tetrachloro-m-xylene	123	%				99-127-238
Decachlorobiphenyl	136	%				99-127-238
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Phenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2-Chlorophenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
1,3-Dichlorobenzene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
1,4-Dichlorobenzene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
1,2-Dichlorobenzene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Bis(2-chloroisopropylether)	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2-Methylphenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Hexachloroethane	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
N-Nitrosodi-N-propylamine	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
4-Methylphenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Nitrobenzene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Isophorone	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2-Nitrophenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,4-Dimethylphenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Bis(2-chloroethoxymethane)	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,4-Dichlorophenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
1,2,4-Trichlorobenzene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Naphthalene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
4-Chloroaniline	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Hexachlorobutadiene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
4-Chloro-3-methylphenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2-Methylnaphthalene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Hexachlorocyclopentadiene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,4,6-Trichlorophenol	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,4,5-Trichlorophenol	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-134
2-Chloronaphthalene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2 Nitroaniline	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-134
Dimethyl phthalate	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Acenaphthylene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,6-Dinitrotoluene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
3-Nitroaniline	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-134
Acenaphthene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,4-Dinitrophenol	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-134
Dibenzofuran	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
2,4-Dinitrotoluene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
4-Nitrophenol	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-134

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW01-C-O
Description: GRAB
Sampled On: 18-DEC-00 14:00 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134(
Fluorene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134(
4-Chlorophenylphenylether	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
4-Nitroaniline	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-13
2-Methyl-4,6-dinitrophenol	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-13
N-Nitrosodiphenylamine	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
4-Bromophenylphenylether	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Hexachlorobenzene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Pentachlorophenol	U	ug/kg	940	02-JAN-01 16:10	ASP 95-2	00-165-13
Phenanthrene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Anthracene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Carbazole	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Di-n-butyl phthalate	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Fluoranthene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Pyrene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Butylbenzyl phthalate	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Benzo(a)anthracene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
3,3-Dichlorobenzidine	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Chrysene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Bis-2-ethylhexyl phthalate	69 J	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Di-n-octyl phthalate	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Benzo(b)fluoranthene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Benzo(k)fluoranthene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Benzo(a)pyrene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-13
Indeno(1,2,3-cd)pyrene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Dibenzo(a,h)anthracene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Benzo(g,h,i)perylene	U	ug/kg	380	02-JAN-01 16:10	ASP 95-2	00-165-134
Extraction Information:				21-DEC-00 00:00		00-115-85

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	750	ug/kg	J	36.42

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW01-C-0
Description: GRAB
Sampled On: 18-DEC-00 14:00 by CLIENT
Date Received: 20-DEC-00 10:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
2-Fluorophenol	74	%				00-165-134
Phenol-d5	76	%				00-165-134
2-Chlorophenol-d4	83	%				00-165-134
1,2-Dichlorobenzene-d4	65	%				00-165-134
Nitrobenzene-d5	67	%				00-165-134
2-Fluorobiphenyl	70	%				00-165-134
2,4,6-Tribromophenol	72	%				00-165-134
Terphenyl-d14	83	%				00-165-134

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00038

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW02-B-0
Description: GRAB
Sampled On: 19-DEC-00 13:30 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	1.07	mg/kg	0.571	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	84.3	%		21-DEC-00 00:00	CLP 3.0	00-132-95
Aluminum	10900	mg/kg	5.69	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Antimony	4.14 B	mg/kg	2.97	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Arsenic	4	mg/kg	0.400	28-DEC-00 00:00	EPA 206.2 CLPM	00-026-20
Barium	87.1	mg/kg	0.474	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Beryllium	0.779	mg/kg	0.119	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Cadmium	1.44	mg/kg	0.474	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Calcium	38000	mg/kg	2.25	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Chromium	9.69	mg/kg	0.949	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Cobalt	8.7	mg/kg	1.19	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Copper	71.8	mg/kg	0.356	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Iron	38600	mg/kg	23.7	28-DEC-00 04:41	EPA 200.7 CLPM	00-178-10
Lead	19	mg/kg	2.00	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	3710	mg/kg	7.12	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Manganese	634	mg/kg	0.237	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Mercury	U	mg/kg	0.0100	27-DEC-00 00:00	EPA 245.1 CLPM	98-011-29
Nickel	51.3	mg/kg	1.19	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Potassium	993	mg/kg	13.2	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Selenium	U	mg/kg	0.200	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	0.712	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Sodium	143 B	mg/kg	16.6	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW02-B-0
Description: GRAB
Sampled On: 19-DEC-00 13:30 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.77 B	mg/kg	0.200	27-DEC-00 00:00	EPA 279.2 CLPM	00-028-49
Vanadium	10.9	mg/kg	0.830	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
Zinc	153	mg/kg	0.356	28-DEC-00 04:38	EPA 200.7 CLPM	00-178-10
ASP 95-1						
Chloromethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Bromomethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Vinyl chloride	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Chloroethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Methylene chloride	5 J	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Acetone	6 J	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Carbon disulfide	3 J	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,1-Dichloroethene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
trans-1,2-Dichloroethene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,1-Dichloroethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
cis-1,2-Dichloroethene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
MEK(2-Butanone)	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Chloroform	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,1,1-Trichloroethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Carbon tetrachloride	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Benzene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,2-Dichloroethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Trichloroethene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,2-Dichloropropane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Bromodichloromethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
cis-1,3-Dichloropropene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Toluene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
trans-1,3-Dichloropropene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,1,2-Trichloroethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Tetrachloroethene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
2-Hexanone	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Dibromochloromethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Chlorobenzene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Ethylbenzene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
p-Xylene/m-Xylene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
o-Xylene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Styrene	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
Bromoform	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344
1,1,2,2-Tetrachloroethane	U	ug/kg	11	27-DEC-00 12:47	ASP 95-1	00-163-344

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW02-B-0
Description: GRAB
Sampled On: 19-DEC-00 13:30 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	7	ug/kg	J	5.18		
Surrogate Recovery:						
1,2-Dichloroethane-d4	98	%				00-163-34
Toluene-d8	107	%				00-163-344
4-Bromofluorobenzene	77	%				00-163-344
ASP 95-3						
alpha-BHC	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-238
beta-BHC	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-238
Lindane (gamma-BHC)	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-23
delta-BHC	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-23
Heptachlor	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-23
Aldrin	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-238
Heptachlor epoxide	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-238
alpha-Chlordane	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-23
Endosulfan I	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-23
gamma-Chlordane	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-23
4,4'-DDE	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-238
Dieldrin	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-238
Endrin	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-23
Endosulfan II	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-23
4,4'-DDD	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-23
Endrin aldehyde	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-238
Endosulfan sulfate	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-238
4,4'-DDT	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-23
Endrin Ketone	U	ug/kg	39	11-JAN-01 00:00	ASP 95-3	99-127-23
Methoxychlor	U	ug/kg	200	11-JAN-01 00:00	ASP 95-3	99-127-238
Toxaphene	U	ug/kg	2000	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1016	U	ug/kg	390	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1221	U	ug/kg	790	11-JAN-01 00:00	ASP 95-3	99-127-23
PCB 1232	U	ug/kg	390	11-JAN-01 00:00	ASP 95-3	99-127-23
PCB 1242	U	ug/kg	390	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1248	U	ug/kg	390	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1254	U	ug/kg	390	11-JAN-01 00:00	ASP 95-3	99-127-23
PCB 1260	U	ug/kg	390	11-JAN-01 00:00	ASP 95-3	99-127-23

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW02-B-0
Description: GRAB
Sampled On: 19-DEC-00 13:30 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				21-DEC-00 00:00	EPA 3550	00-135-78
Surrogate Recovery:						
Tetrachloro-m-xylene	135	%				99-127-238
Decachlorobiphenyl	128	%				99-127-238
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Phenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2-Chlorophenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
1,3-Dichlorobenzene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
1,4-Dichlorobenzene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
1,2-Dichlorobenzene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Bis(2-chloroisopropylether)	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2-Methylphenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Hexachloroethane	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
N-Nitrosodi-N-propylamine	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
4-Methylphenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Nitrobenzene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Isophorone	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2-Nitrophenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,4-Dimethylphenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Bis(2-chloroethoxymethane)	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,4-Dichlorophenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
1,2,4-Trichlorobenzene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Naphthalene	69 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
4-Chloroaniline	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Hexachlorobutadiene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
4-Chloro-3-methylphenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2-Methylnaphthalene	100 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Hexachlorocyclopentadiene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,4,6-Trichlorophenol	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,4,5-Trichlorophenol	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-13
2-Chloronaphthalene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2-Nitroaniline	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-13
Dimethyl phthalate	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Acenaphthylene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,6-Dinitrotoluene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
3-Nitroaniline	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-13
Acenaphthene	74 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,4-Dinitrophenol	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-13
Dibenzofuran	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
2,4-Dinitrotoluene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW02-B-0
Description: GRAB
Sampled On: 19-DEC-00 13:30 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitrophenol	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-136
Diethyl phthalate	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Fluorene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
4-Chlorophenylphenylether	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
4-Nitroaniline	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-136
2-Methyl-4,6-dinitrophenol	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-136
N-Nitrosodiphenylamine	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
4-Bromophenylphenylether	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Hexachlorobenzene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Pentachlorophenol	U	ug/kg	990	04-JAN-01 12:20	ASP 95-2	00-165-136
Phenanthrene	620	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Anthracene	130 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Carbazole	63 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Di-n-butyl phthalate	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Fluoranthene	580	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Pyrene	800	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Butylbenzyl phthalate	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Benzo(a)anthracene	340 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
3,3-Dichlorobenzidine	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Chrysene	380 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Bis-2-ethylhexyl phthalate	220 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Di-n-octyl phthalate	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Benzo(b)fluoranthene	480	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Benzo(k)fluoranthene	190 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Benzo(a)pyrene	320 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Indeno(1,2,3-cd)pyrene	150 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-136
Dibenzo(a,h)anthracene	U	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Benzo(g,h,i)perylene	120 J	ug/kg	400	04-JAN-01 12:20	ASP 95-2	00-165-13
Extraction Information:				21-DEC-00 00:00		00-115-85

Library Search Compounds:	Results	Units	Qual	Retention Time

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW02-B-0
Description: GRAB
Sampled On: 19-DEC-00 13:30 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
2-Fluorophenol	76	%				00-165-136
Phenol-d5	81	%				00-165-136
2-Chlorophenol-d4	86	%				00-165-136
1,2-Dichlorobenzene-d4	64	%				00-165-136
Nitrobenzene-d5	68	%				00-165-136
2-Fluorobiphenyl	68	%				00-165-136
2,4,6-Tribromophenol	78	%				00-165-136
Terphenyl-d14	90	%				00-165-136

Analysis Comment:Internal standard 6 recovery below limits. Confirmed by file B1365.

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW03-I-O
Description: GRAB
Sampled On: 19-DEC-00 11:00 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.556	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	89.2	%		21-DEC-00 00:00	CLP 3.0	00-132-95
Aluminum	12800	mg/kg	5.12	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Antimony	U	mg/kg	2.67	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Arsenic	13	mg/kg	0.940	28-DEC-00 00:00	EPA 206.2 CLPM	00-026-20
Barium	77	mg/kg	0.427	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Beryllium	0.694	mg/kg	0.107	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Cadmium	0.499 B	mg/kg	0.427	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Calcium	1260	mg/kg	2.03	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Chromium	12.3	mg/kg	0.854	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Cobalt	12.7	mg/kg	1.07	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Copper	24.9	mg/kg	0.320	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Iron	38700	mg/kg	21.4	28-DEC-00 04:35	EPA 200.7 CLPM	00-178-10
Lead	12	mg/kg	1.90	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	4720	mg/kg	6.41	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Manganese	577	mg/kg	0.214	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Mercury	U	mg/kg	0.0100	27-DEC-00 00:00	EPA 245.1 CLPM	98-011-29
Nickel	33.7	mg/kg	1.07	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Potassium	1900	mg/kg	11.9	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Selenium	U W	mg/kg	0.190	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46

Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00083

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW03-1-O
Description: GRAB
Sampled On: 19-DEC-00 11:00 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	0.641	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Sodium	85.2 B	mg/kg	14.9	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Thallium	0.79 B	mg/kg	0.190	27-DEC-00 00:00	EPA 279.2 CLPM	00-028-49
Vanadium	17.8	mg/kg	0.747	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
Zinc	85.3	mg/kg	0.320	28-DEC-00 04:33	EPA 200.7 CLPM	00-178-10
ASP 95-1						
Chloromethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Bromomethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Vinyl chloride	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Chloroethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Methylene chloride	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Acetone	15	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Carbon disulfide	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
1,1-Dichloroethene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
trans-1,2-Dichloroethene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
1,1-Dichloroethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
cis-1,2-Dichloroethene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
MEK(2-Butanone)	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Chloroform	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
1,1,1-Trichloroethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Carbon tetrachloride	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Benzene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
1,2-Dichloroethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Trichloroethene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
1,2-Dichloropropane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Bromodichloromethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
cis-1,3-Dichloropropene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Toluene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
trans-1,3-Dichloropropene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
1,1,2-Trichloroethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Tetrachloroethene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
2-Hexanone	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Dibromochloromethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Chlorobenzene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Ethylbenzene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
p-Xylene/m-Xylene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW03-I-O
Description: GRAB
Sampled On: 19-DEC-00 11:00 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
o-Xylene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Styrene	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-343
Bromoform	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-34
1,1,2,2-Tetrachloroethane	U	ug/kg	11	26-DEC-00 16:44	ASP 95-1	00-163-34

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	14	ug/kg	J	5.16
Unknown	12	ug/kg	J	19.28
Unknown	34	ug/kg	J	20.66

Surrogate Recovery:						
1,2-Dichloroethane-d4	94	%				00-163-343
Toluene-d8	102	%				00-163-343
4-Bromofluorobenzene	89	%				00-163-343

ASP 95-3

alpha-BHC	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-238
beta-BHC	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-238
Lindane (gamma-BHC)	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2
delta-BHC	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2
Heptachlor	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-238
Aldrin	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-238
Heptachlor epoxide	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-238
alpha-Chlordane	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan I	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2
gamma-Chlordane	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-238
4,4'-DDE	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-238
Dieldrin	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2
Endrin	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan II	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDD	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-238
Endrin aldehyde	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-238
Endosulfan sulfate	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDT	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2
Endrin Ketone	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-238
Methoxychlor	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-238
Toxaphene	U	ug/kg	190	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1016	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1221	U	ug/kg	75	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1232	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1242	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW03-I-O
Description: GRAB
Sampled On: 19-DEC-00 11:00 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PCB 1248	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1254	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
PCB 1260	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-238
Extraction Information:				21-DEC-00 00:00	EPA 3550	00-135-78
Surrogate Recovery:						
Tetrachloro-m-xylene	115	%				99-127-238
Decachlorobiphenyl	144	%				99-127-238
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Phenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2-Chlorophenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
1,3-Dichlorobenzene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
1,4-Dichlorobenzene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
1,2-Dichlorobenzene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Bis(2-chloroisopropylether)	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2-Methylphenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Hexachloroethane	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
N-Nitrosodi-N-propylamine	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
4-Methylphenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Nitrobenzene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Isophorone	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2-Nitrophenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2,4-Dimethylphenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Bis(2-chloroethoxymethane)	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2,4-Dichlorophenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
1,2,4-Trichlorobenzene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Naphthalene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
4-Chloroaniline	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Hexachlorobutadiene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
4-Chloro-3-methylphenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2-Methylnaphthalene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Hexachlorocyclopentadiene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2,4,6-Trichlorophenol	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2,4,5-Trichlorophenol	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-134
2-Chloronaphthalene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2-Nitroaniline	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-134
Dimethyl phthalate	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Acenaphthylene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2,6-Dinitrotoluene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
3-Nitroaniline	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-134
Acenaphthene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW03-1-O
Description: GRAB
Sampled On: 19-DEC-00 11:00 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dinitrophenol	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-134
Dibenzofuran	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
2,4-Dinitrotoluene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
4-Nitrophenol	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-1
Diethyl phthalate	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Fluorene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
4-Chlorophenylphenylether	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
4-Nitroaniline	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-1
2-Methyl-4,6-dinitrophenol	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-1
N-Nitrosodiphenylamine	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
4-Bromophenylphenylether	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Hexachlorobenzene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Pentachlorophenol	U	ug/kg	930	02-JAN-01 17:06	ASP 95-2	00-165-1
Phenanthrene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Anthracene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Carbazole	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Di-n-butyl phthalate	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Fluoranthene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Pyrene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Butylbenzyl phthalate	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Benzo(a)anthracene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
3,3-Dichlorobenzidine	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Chrysene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Bis-2-ethylhexyl phthalate	68 J	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Di-n-octyl phthalate	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Benzo(b)fluoranthene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Benzo(k)fluoranthene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Benzo(a)pyrene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-1
Indeno(1,2,3-cd)pyrene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Dibenzo(a,h)anthracene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Benzo(g,h,i)perylene	U	ug/kg	370	02-JAN-01 17:06	ASP 95-2	00-165-134
Extraction Information:				21-DEC-00 00:00		00-115-8

Library Search Compounds:	Results	Units	Qual	Retention Time

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW03-I-O
Description: GRAB
Sampled On: 19-DEC-00 11:00 by CLIENT
Date Received: 21-DEC-00 10:00
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	540	ug/kg	J	17.34			
Unknown	740	ug/kg	J	19.14			
Unknown	850	ug/kg	J	20.83			
Unknown	850	ug/kg	J	22.42			
Unknown	250	ug/kg	J	23.13			
Unknown	560	ug/kg	J	23.93			
Unknown	240	ug/kg	J	23.97			
Unknown	370	ug/kg	J	26.72			
Unknown	340	ug/kg	J	28.02			
Unknown	310	ug/kg	J	29.26			
Unknown	870	ug/kg	J	30.45			
Unknown	780	ug/kg	J	31.59			
Unknown	690	ug/kg	J	32.67			
LBS#14	750	ug/kg	J	33.72			
Surrogate Recovery:							
2-Fluorophenol	76		%				00-165-134
Phenol-d5	78		%				00-165-134
2-Chlorophenol-d4	85		%				00-165-134
1,2-Dichlorobenzene-d4	66		%				00-165-134
Nitrobenzene-d5	72		%				00-165-134
2-Fluorobiphenyl	73		%				00-165-134
2,4,6-Tribromophenol	72		%				00-165-134
Terphenyl-d14	84		%				00-165-134

Results calculated on a dry weight basis.

Report Comment: NO TRIP BLANK RECEIVED

QC

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:16-JAN-2001

Lab Sample ID: L61696-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOOD SITE
Origin: FWS-MW04-BC-D
Description: GRAB
Sampled On: 21-DEC-00 16:30 by CLIENT
Date Received: 26-DEC-00 08:36
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.487	28-DEC-00 00:00	EPA 335.2 CLPM	00-013-83
Total Solids	88.1	%		26-DEC-00 00:00	CLP 3.0	00-132-97
Aluminum	9840	mg/kg	4.29	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.23	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Arsenic	5.8	mg/kg	0.550	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
Barium	46.7	mg/kg	0.358	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Beryllium	0.465	mg/kg	0.089	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Cadmium	0.428 B	mg/kg	0.358	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Calcium	3110	mg/kg	1.70	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Chromium	8.4	mg/kg	0.715	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Cobalt	7.88	mg/kg	0.894	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Copper	24.2	mg/kg	0.268	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Iron	22600	mg/kg	17.9	05-JAN-01 10:28	EPA 200.7 CLPM	00-178-13
Lead	14	mg/kg	2.20	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	2910	mg/kg	5.36	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Manganese	272	mg/kg	0.179	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Mercury	0.039	mg/kg	0.0110	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	20.6	mg/kg	0.894	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Potassium	922	mg/kg	9.92	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Selenium	U	mg/kg	0.220	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46
Silver	U	mg/kg	10.7	05-JAN-01 10:28	EPA 200.7 CLPM	00-178-13
Sodium	146 B	mg/kg	12.5	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00083 *Approved by:* *Lab Director*

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:16-JAN-2001

Lab Sample ID: L61696-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOOD SITE
Origin: FWS-MW04-BC-D
Description: GRAB
Sampled On: 21-DEC-00 16:30 by CLIENT
Date Received: 26-DEC-00 08:36
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.59 B	mg/kg	0.220	04-JAN-01 00:00	EPA 279.2 CLPM	00-028-53
anadium	13.1	mg/kg	0.626	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
Zinc	85.5	mg/kg	0.268	05-JAN-01 10:25	EPA 200.7 CLPM	00-178-13
SP 95-1						
hloromethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
Bromomethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
inyl chloride	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
hloroethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
ethylene chloride	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
Acetone	7 J	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
Carbon disulfide	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
,1-Dichloroethene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
rans-1,2-Dichloroethene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
,1-Dichloroethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
cis-1,2-Dichloroethene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
MEK(2-Butanone)	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
hloroform	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
,1,1-Trichloroethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
arbon tetrachloride	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
Benzene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
1,2-Dichloroethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
richloroethene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
,2-Dichloropropane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
romodichloromethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
cis-1,3-Dichloropropene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
oluene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
rans-1,3-Dichloropropene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
1,1,2-Trichloroethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
Tetrachloroethene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
2-Hexanone	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
ibromochloromethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
hlorobenzene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
Ethylbenzene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
p-Xylene/m-Xylene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
o-Xylene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
tyrene	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
romoform	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441
1,1,2,2-Tetrachloroethane	U	ug/kg	10	26-DEC-00 19:25	ASP 95-1	00-163-3441

esults calculated on a dry weight basis.

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:16-JAN-2001

Lab Sample ID: L61696-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOOD SITE
Origin: FWS-MW04-BC-0
Description: GRAB
Sampled On: 21-DEC-00 16:30 by CLIENT
Date Received: 26-DEC-00 08:36
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	7	ug/kg	J	4.79		
Unknown	16	ug/kg	J	5.15		
Unknown	10	ug/kg	J	19.26		
Surrogate Recovery:						
1,2-Dichloroethane-d4	94	%				00-163-3441
Toluene-d8	101	%				00-163-3441
4-Bromofluorobenzene	92	%				00-163-3441
ASP 95-3						
alpha-BHC	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
beta-BHC	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
Lindane (gamma-BHC)	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
delta-BHC	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
Heptachlor	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
Aldrin	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
Heptachlor epoxide	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
alpha-Chlordane	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
Endosulfan I	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
gamma-Chlordane	U	ug/kg	1.9	11-JAN-01 00:00	ASP 95-3	99-127-2397
4,4'-DDE	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Dieldrin	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Endrin	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Endosulfan II	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
4,4'-DDD	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Endrin aldehyde	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Endosulfan sulfate	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
4,4'-DDT	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Endrin Ketone	U	ug/kg	3.7	11-JAN-01 00:00	ASP 95-3	99-127-2397
Methoxychlor	U	ug/kg	19	11-JAN-01 00:00	ASP 95-3	99-127-2397
Toxaphene	U	ug/kg	190	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1016	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1221	U	ug/kg	76	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1232	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1242	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1248	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1254	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2397
PCB 1260	U	ug/kg	37	11-JAN-01 00:00	ASP 95-3	99-127-2397

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:16-JAN-2001

Lab Sample ID: L61696-1

TVGA
Rob Napieralski

1000 Maple Road
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Sample Source: 200403 WELCH FOOD SITE
Origin: FWS-MW04-BC-0
Description: GRAB
Sampled On: 21-DEC-00 16:30 by CLIENT
Date Received: 26-DEC-00 08:36
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				28-DEC-00 00:00		00-192-01
Surrogate Recovery:						
Tetrachloro-m-xylene	117	%				99-127-2397
Decachlorobiphenyl	137	%				99-127-2397
SP 95-2						
Bis(2-chloroethylether)	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Phenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Chlorophenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
1,3-Dichlorobenzene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
1,4-Dichlorobenzene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
1,2-Dichlorobenzene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Bis(2-chloroisopropylether)	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Methylphenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Hexachloroethane	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
N-Nitrosodi-N-propylamine	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Methylphenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Nitrobenzene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Isophorone	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Nitrophenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,4-Dimethylphenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Bis(2-chloroethoxymethane)	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,4-Dichlorophenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
1,2,4-Trichlorobenzene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Naphthalene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Chloroaniline	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Hexachlorobutadiene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Chloro-3-methylphenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Methylnaphthalene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Hexachlorocyclopentadiene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,4,6-Trichlorophenol	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,4,5-Trichlorophenol	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Chloronaphthalene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Nitroaniline	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
Dimethyl phthalate	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Acenaphthylene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,6-Dinitrotoluene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
3-Nitroaniline	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
Acenaphthene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,4-Dinitrophenol	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
Dibenzofuran	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
2,4-Dinitrotoluene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Nitrophenol	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362

Results calculated on a dry weight basis.

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:16-JAN-2001

Lab Sample ID: L61696-1

TVGA
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1000 Maple Road
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Sample Source: 200403 WELCH FOOD SITE
Origin: FWS-MW04-BC-0
Description: GRAB
Sampled On: 21-DEC-00 16:30 by CLIENT
Date Received: 26-DEC-00 08:36
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Fluorene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Chlorophenylphenylether	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Nitroaniline	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
2-Methyl-4,6-dinitrophenol	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
N-Nitrosodiphenylamine	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
4-Bromophenylphenylether	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Hexachlorobenzene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Pentachlorophenol	U	ug/kg	950	04-JAN-01 11:23	ASP 95-2	00-165-1362
Phenanthrene	110 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Anthracene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Carbazole	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Di-n-butyl phthalate	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Fluoranthene	120 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Pyrene	110 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Butylbenzyl phthalate	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Benzo(a)anthracene	58 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
3,3-Dichlorobenzidine	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Chrysene	56 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Bis-2-ethylhexyl phthalate	48 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Di-n-octyl phthalate	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Benzo(b)fluoranthene	57 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Benzo(k)fluoranthene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Benzo(a)pyrene	44 J	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Indeno(1,2,3-cd)pyrene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Dibenzo(a,h)anthracene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Benzo(g,h,i)perylene	U	ug/kg	380	04-JAN-01 11:23	ASP 95-2	00-165-1362
Extraction Information:				27-DEC-00 00:00		00-197-03

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	170	ug/kg	J	20.53
Unknown	180	ug/kg	J	23.93

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:16-JAN-2001

Lab Sample ID: L61696-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOOD SITE
Origin: FWS-MW04-BC-D
Description: GRAB
Sampled On: 21-DEC-00 16:30 by CLIENT
Date Received: 26-DEC-00 08:36
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	140	ug/kg	J	26.61			
Unknown	88	ug/kg	J	35.79			
nknown	100	ug/kg	J	36.72			
nknown	100	ug/kg	J	36.95			
Unknown	120	ug/kg	J	37.63			
Seven library search compounds detected.							
urrogate Recovery:							
-Fluorophenol	58		%				00-165-1362
Phenol-d5	62		%				00-165-1362
2-Chlorophenol-d4	70		%				00-165-1362
1,2-Dichlorobenzene-d4	56		%				00-165-1362
itrobenzene-d5	58		%				00-165-1362
-Fluorobiphenyl	60		%				00-165-1362
2,4,6-Tribromophenol	61		%				00-165-1362
Terphenyl-d14	65		%				00-165-1362

esults calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00035

Approved by: _____
Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-15

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW05-C-0
Description: GRAB
Sampled On: 26-DEC-00 10:00 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.597	03-JAN-01 00:00	EPA 335.2 CLPM	00-013-84
Total Solids	80.7	%		28-DEC-00 00:00	CLP 3.0	00-132-99
Aluminum	6480	mg/kg	5.17	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.69	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Arsenic	6.6	mg/kg	0.600	03-JAN-01 00:00	EPA 206.2 CLPM	00-026-22
Barium	25.7	mg/kg	0.431	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Beryllium	0.315 B	mg/kg	0.108	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Cadmium	0.485 B	mg/kg	0.431	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Calcium	1040	mg/kg	2.05	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Chromium	5.83	mg/kg	0.862	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Cobalt	8.25	mg/kg	1.08	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Copper	26.8	mg/kg	0.323	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Iron	17200	mg/kg	1.08	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Lead	13	mg/kg	2.40	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	2060	mg/kg	6.47	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Manganese	205	mg/kg	0.216	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Mercury	0.017	mg/kg	0.0120	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	20.7	mg/kg	1.08	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Potassium	975	mg/kg	12.0	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Selenium	U W	mg/kg	0.240	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46

Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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Description: GRAB
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P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	0.647	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Sodium	152 B	mg/kg	15.1	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Thallium	0.7 B	mg/kg	0.240	04-JAN-01 00:00	EPA 279.2 CLPM	00-028-53
Vanadium	10.2	mg/kg	0.754	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
Zinc	78.5	mg/kg	0.323	05-JAN-01 10:14	EPA 200.7 CLPM	00-178-13
ASP 95-1						
Chloromethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Bromomethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Vinyl chloride	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Chloroethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Methylene chloride	4 J	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Acetone	10 J	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Carbon disulfide	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,1-Dichloroethene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
trans-1,2-Dichloroethene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,1-Dichloroethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
cis-1,2-Dichloroethene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
MEK(2-Butanone)	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Chloroform	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,1,1-Trichloroethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Carbon tetrachloride	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Benzene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,2-Dichloroethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Trichloroethene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,2-Dichloropropane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Bromodichloromethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
cis-1,3-Dichloropropene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Toluene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
trans-1,3-Dichloropropene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,1,2-Trichloroethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Tetrachloroethene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
2-Hexanone	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Dibromochloromethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Chlorobenzene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Ethylbenzene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
p-Xylene/m-Xylene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
o-Xylene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00083

Approved by: Lab Director

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Date:19-JAN-2001

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P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
Bromoform	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-349
1,1,2,2-Tetrachloroethane	U	ug/kg	11	02-JAN-01 15:03	ASP 95-1	00-163-34

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	10	ug/kg	J	4.82
Unknown	20	ug/kg	J	5.18
Unknown	8	ug/kg	J	20.67

Surrogate Recovery:						
1,2-Dichloroethane-d4	95	%				00-163-34
Toluene-d8	94	%				00-163-349
4-Bromofluorobenzene	95	%				00-163-349

ASP 95-3

alpha-BHC	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-239
beta-BHC	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-239
Lindane (gamma-BHC)	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-23
delta-BHC	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Heptachlor	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Aldrin	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-239
Heptachlor epoxide	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-239
alpha-Chlordane	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Endosulfan I	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-23
gamma-Chlordane	U	ug/kg	2.1	11-JAN-01 00:00	ASP 95-3	99-127-23
4,4'-DDE	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-239
Dieldrin	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Endosulfan II	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-23
4,4'-DDD	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Endrin aldehyde	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-239
Endosulfan sulfate	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-239
4,4'-DDT	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Endrin Ketone	U	ug/kg	4.1	11-JAN-01 00:00	ASP 95-3	99-127-23
Methoxychlor	U	ug/kg	21	11-JAN-01 00:00	ASP 95-3	99-127-23
Toxaphene	U	ug/kg	210	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1016	U	ug/kg	41	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1221	U	ug/kg	83	11-JAN-01 00:00	ASP 95-3	99-127-23
PCB 1232	U	ug/kg	41	11-JAN-01 00:00	ASP 95-3	99-127-23
PCB 1242	U	ug/kg	41	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1248	U	ug/kg	41	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1254	U	ug/kg	41	11-JAN-01 00:00	ASP 95-3	99-127-239

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PCB 1260	U	ug/kg	41	11-JAN-01 00:00	ASP 95-3	99-127-23
Extraction Information:				29-DEC-00 00:00		00-192-02
Surrogate Recovery:						
Tetrachloro-m-xylene	103	%				99-127-23
Decachlorobiphenyl	117	%				99-127-23
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Phenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2-Chlorophenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
1,3-Dichlorobenzene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
1,4-Dichlorobenzene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
1,2-Dichlorobenzene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Bis(2-chloroisopropylether)	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2-Methylphenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Hexachloroethane	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
N-Nitrosodi-N-propylamine	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
4-Methylphenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Nitrobenzene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Isophorone	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2-Nitrophenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,4-Dimethylphenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Bis(2-chloroethoxymethane)	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,4-Dichlorophenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
1,2,4-Trichlorobenzene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Naphthalene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
4-Chloroaniline	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Hexachlorobutadiene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
4-Chloro-3-methylphenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2-Methylnaphthalene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Hexachlorocyclopentadiene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,4,6-Trichlorophenol	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,4,5-Trichlorophenol	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-13
2-Chloronaphthalene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2-Nitroaniline	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-13
Dimethyl phthalate	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
Acenaphthylene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,6-Dinitrotoluene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
3-Nitroaniline	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-13
Acenaphthene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,4-Dinitrophenol	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-13
Dibenzofuran	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13
2,4-Dinitrotoluene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-13

Results calculated on a dry weight basis.

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P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitrophenol	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-135
Diethyl phthalate	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Fluorene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
4-Chlorophenylphenylether	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
4-Nitroaniline	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-135
2-Methyl-4,6-dinitrophenol	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-135
N-Nitrosodiphenylamine	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
4-Bromophenylphenylether	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Hexachlorobenzene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Pentachlorophenol	U	ug/kg	1000	03-JAN-01 19:37	ASP 95-2	00-165-135
Phenanthrene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Anthracene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Carbazole	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Di-n-butyl phthalate	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Fluoranthene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Pyrene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Butylbenzyl phthalate	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Benzo(a)anthracene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
3,3-Dichlorobenzidine	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Chrysene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Bis-2-ethylhexyl phthalate	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Di-n-octyl phthalate	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Benzo(b)fluoranthene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Benzo(k)fluoranthene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Benzo(a)pyrene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Indeno(1,2,3-cd)pyrene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-135
Dibenzo(a,h)anthracene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Benzo(g,h,i)perylene	U	ug/kg	410	03-JAN-01 19:37	ASP 95-2	00-165-1
Extraction Information:				29-DEC-00 00:00		00-197-05

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	370	ug/kg	J	20.31

Results calculated on a dry weight basis.

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Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	310	ug/kg	J	23.7			
Sulfer	260	ug/kg	J	29.04			
Three library search compounds detected.							
Surrogate Recovery:							
2-Fluorophenol	77		%				00-165-135
Phenol-d5	77		%				00-165-135
2-Chlorophenol-d4	85		%				00-165-135
1,2-Dichlorobenzene-d4	68		%				00-165-135
Nitrobenzene-d5	71		%				00-165-135
2-Fluorobiphenyl	69		%				00-165-135
2,4,6-Tribromophenol	86		%				00-165-135
Terphenyl-d14	85		%				00-165-135

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00083 Approved by: _____ Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-16

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW06-F-O
Description: GRAB
Sampled On: 26-DEC-00 12:00 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.557	09-JAN-01 00:00	EPA 335.2 CLPM	00-013-86
Total Solids	85.5	%		28-DEC-00 00:00	CLP 3.0	00-132-99
Aluminum	10900	mg/kg	5.06	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Antimony	U	mg/kg	2.63	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Arsenic	7.1	mg/kg	0.560	04-JAN-01 00:00	EPA 206.2 CLPM	00-026-23
Barium	72	mg/kg	0.421	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Beryllium	0.527	mg/kg	0.105	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Cadmium	U	mg/kg	0.421	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Calcium	3130	mg/kg	2.00	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Chromium	12.4	mg/kg	0.843	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Cobalt	11	mg/kg	1.05	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Copper	32.3	mg/kg	0.316	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Iron	29200	mg/kg	21.1	05-JAN-01 10:22	EPA 200.7 CLPM	00-178-13
Lead	14	mg/kg	2.20	06-JAN-01 00:00	EPA 239.2 CLPM	00-027-96
Magnesium	3800	mg/kg	6.32	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Manganese	389	mg/kg	0.211	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Mercury	0.017	mg/kg	0.0120	03-JAN-01 00:00	EPA 245.1 CLPM	98-011-30
Nickel	27.7	mg/kg	1.05	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Potassium	1620	mg/kg	11.7	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Selenium	U W	mg/kg	0.220	06-JAN-01 00:00	EPA 270.2 CLPM	98-201-46

Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-16

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1000 Maple Road
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Origin: FWS-MW06-F-O
Description: GRAB
Sampled On: 26-DEC-00 12:00 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	12.6	05-JAN-01 10:22	EPA 200.7 CLPM	00-178-13
Sodium	215 B	mg/kg	14.8	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Thallium	0.7 B	mg/kg	0.220	04-JAN-01 00:00	EPA 279.2 CLPM	00-028-53
Vanadium	14.2	mg/kg	0.738	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
Zinc	107	mg/kg	0.316	05-JAN-01 10:19	EPA 200.7 CLPM	00-178-13
ASP 95-1						
Chloromethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Bromomethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Vinyl chloride	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Chloroethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Methylene chloride	5 J	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Acetone	10 J	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Carbon disulfide	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
1,1-Dichloroethene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
trans-1,2-Dichloroethene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
1,1-Dichloroethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
cis-1,2-Dichloroethene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
MEK(2-Butanone)	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Chloroform	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
1,1,1-Trichloroethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Carbon tetrachloride	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Benzene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
1,2-Dichloroethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Trichloroethene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
1,2-Dichloropropane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Bromodichloromethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
cis-1,3-Dichloropropene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Toluene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
trans-1,3-Dichloropropene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
1,1,2-Trichloroethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Tetrachloroethene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
2-Hexanone	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Dibromochloromethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Chlorobenzene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
Ethylbenzene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
p-Xylene/m-Xylene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S
o-Xylene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-34S

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-16

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: 200403 WELCH FOODS SITE
Origin: FWS-MW06-F-O
Description: GRAB
Sampled On: 26-DEC-00 12:00 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-349
Bromoform	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-349
1,1,2,2-Tetrachloroethane	U	ug/kg	10	02-JAN-01 15:36	ASP 95-1	00-163-3
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	8	ug/kg	J	4.81		
Unknown	23	ug/kg	J	5.81		
Unknown	9	ug/kg	J	20.67		
Surrogate Recovery:						
1,2-Dichloroethane-d4	93	%				00-163-3
Toluene-d8	106	%				00-163-349
4-Bromofluorobenzene	76	%				00-163-349
ASP 95-3						
alpha-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
beta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Lindane (gamma-BHC)	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2
delta-BHC	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2
Heptachlor	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2
Aldrin	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
Heptachlor epoxide	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-239
alpha-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan I	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2
gamma-Chlordane	U	ug/kg	2	11-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDE	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-239
Dieldrin	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan II	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDD	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-239
Endrin aldehyde	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-239
Endosulfan sulfate	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-239
4,4'-DDT	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2
Endrin Ketone	U	ug/kg	3.8	11-JAN-01 00:00	ASP 95-3	99-127-2
Methoxychlor	U	ug/kg	20	11-JAN-01 00:00	ASP 95-3	99-127-239
Toxaphene	U	ug/kg	200	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1016	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1221	U	ug/kg	78	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1232	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1242	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1248	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-239
PCB 1254	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-239

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-16

TVGA
Rob Napieralski

1000 Maple Road
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Origin: FWS-MW06-F-O
Description: GRAB
Sampled On: 26-DEC-00 12:00 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PCB 1260	U	ug/kg	38	11-JAN-01 00:00	ASP 95-3	99-127-239
Extraction Information:				29-DEC-00 00:00		00-192-02
Surrogate Recovery:						
Tetrachloro-m-xylene	109	%				99-127-239
Decachlorobiphenyl	132	%				99-127-239
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Phenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Chlorophenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
1,3-Dichlorobenzene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
1,4-Dichlorobenzene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
1,2-Dichlorobenzene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Bis(2-chloroisopropylether)	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Methylphenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Hexachloroethane	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
N-Nitrosodi-N-propylamine	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
4-Methylphenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Nitrobenzene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Isophorone	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Nitrophenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,4-Dimethylphenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Bis(2-chloroethoxymethane)	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,4-Dichlorophenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
1,2,4-Trichlorobenzene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Naphthalene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
4-Chloroaniline	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Hexachlorobutadiene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
4-Chloro-3-methylphenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Methylnaphthalene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Hexachlorocyclopentadiene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,4,6-Trichlorophenol	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,4,5-Trichlorophenol	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Chloronaphthalene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Nitroaniline	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
Dimethyl phthalate	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Acenaphthylene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,6-Dinitrotoluene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
3-Nitroaniline	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
Acenaphthene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,4-Dinitrophenol	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
Dibenzofuran	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
2,4-Dinitrotoluene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-JAN-2001

Lab Sample ID: L61454-16

TVGA
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P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitrophenol	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
Diethyl phthalate	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Fluorene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
4-Chlorophenylphenylether	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
4-Nitroaniline	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
2-Methyl-4,6-dinitrophenol	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
N-Nitrosodiphenylamine	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
4-Bromophenylphenylether	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Hexachlorobenzene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Pentachlorophenol	U	ug/kg	970	03-JAN-01 20:32	ASP 95-2	00-165-135
Phenanthrene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Anthracene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Carbazole	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Di-n-butyl phthalate	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Fluoranthene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Pyrene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Butylbenzyl phthalate	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Benzo(a)anthracene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
3,3-Dichlorobenzidine	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Chrysene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Bis-2-ethylhexyl phthalate	43 J	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Di-n-octyl phthalate	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Benzo(b)fluoranthene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Benzo(k)fluoranthene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Benzo(a)pyrene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Indeno(1,2,3-cd)pyrene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-135
Dibenzo(a,h)anthracene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Benzo(g,h,i)perylene	U	ug/kg	390	03-JAN-01 20:32	ASP 95-2	00-165-1
Extraction Information:				29-DEC-00 00:00		00-197-05

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	83	ug/kg	J	20.67

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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Date:19-JAN-2001

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P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	98	ug/kg	J	22.27			
Unknown	110	ug/kg	J	23.77			
Unknown	82	ug/kg	J	23.81			
Unknown	110	ug/kg	J	26.56			
Unknown	100	ug/kg	J	27.85			
Unknown	100	ug/kg	J	29.09			
Unknown	120	ug/kg	J	30.28			
Unknown	120	ug/kg	J	31.41			
Unknown	120	ug/kg	J	32.49			
Unknown	110	ug/kg	J	34.54			
Unknown	380	ug/kg	J	35.52			
Unknown	1400	ug/kg	J	35.62			
Unknown	140	ug/kg	J	36.44			
Unknown	160	ug/kg	J	37.34			
15 library search compounds detected.							
Surrogate Recovery:							
2-Fluorophenol	65		%				00-165-13
Phenol-d5	65		%				00-165-13
2-Chlorophenol-d4	72		%				00-165-13
1,2-Dichlorobenzene-d4	58		%				00-165-13
Nitrobenzene-d5	61		%				00-165-13
2-Fluorobiphenyl	61		%				00-165-13
2,4,6-Tribromophenol	78		%				00-165-13
Terphenyl-d14	81		%				00-165-13

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00083

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

APPENDIX D-2

TEST PIT AND BACKGROUND SOIL SAMPLES LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP01-4
Description: GRAB, 200403
Sampled On: 22-DEC-00 08:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
otal Solids	75.9	%		28-DEC-00 00:00	CLP 3.0	00-132-99
EPA 8021						
enzene	U	ug/kg	11	29-DEC-00 06:46	EPA 8021	00-130-4027
oluene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
thylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
p-Xylene/m-Xylene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
o-Xylene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
sopropylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
-Propylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
,3,5-Trimethylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
tert-Butylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
1,2,4-Trimethylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
ec-Butylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
-Isopropyltoluene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
-Butylbenzene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
Naphthalene	U	ug/kg	16	29-DEC-00 06:46	EPA 8021	00-130-4027
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	80	29-DEC-00 06:46	EPA 8021	00-130-4027
urrogate Recovery:						
ID - Bromofluorobenzene	96	%				00-130-4027
Analysis Comment:Results Calculated on a dry weight basis.						
PA 8270						
Naphthalene	2000 J	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
Acenaphthylene	U	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
cenaphthene	2200 J	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
luorene	3100 J	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
henanthrene	27000	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
Anthracene	5700	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
Fluoranthene	26000	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
yrene	24000	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
enzo(a)anthracene	12000	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
hrysene	11000	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
Benzo(b)fluoranthene	13000	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
Benzo(k)fluoranthene	6500	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
enzo(a)pyrene	9400	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
ndeno(1,2,3-cd)pyrene	5500	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
ibenzo(a,h)anthracene	U	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388
Benzo(g,h,i)perylene	4700	ug/kg	3300	08-JAN-01 16:12	EPA 8270	00-165-1388

esults calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP01-4
Description: GRAB, 200403
Sampled On: 22-DEC-00 08:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	57	%				00-165-1388
2-Fluorobiphenyl	61	%				00-165-1388
Terphenyl-d14	65	%				00-165-1388

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: L61801-1MS, FWS-TP01-4
Description: L61801-1
Sampled On: 22-DEC-00 08:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	310	ug/kg	11	30-DEC-00 02:21	EPA 8021	00-130-4037
Toluene	310	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
Ethylbenzene	330	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
p-Xylene/m-Xylene	700	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
o-Xylene	310	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
Isopropylbenzene	300	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
n-Propylbenzene	320	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
1,3,5-Trimethylbenzene	350	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
tert-Butylbenzene	330	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
1,2,4-Trimethylbenzene	330	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
sec-Butylbenzene	330	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
4-Isopropyltoluene	320	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
n-Butylbenzene	310	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
Naphthalene	280	ug/kg	16	30-DEC-00 02:21	EPA 8021	00-130-4037
Methyl-tert-butyl-ether (MTBE)	1500	ug/kg	79	30-DEC-00 02:21	EPA 8021	00-130-4037
Surrogate Recovery:						
PID - Bromofluorobenzene	95	%				00-130-4037
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	3800	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Acenaphthylene	1900 J	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Acenaphthene	4100	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Fluorene	4700	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Phenanthrene	24000	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Anthracene	6700	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Fluoranthene	27000	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Pyrene	19000	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Benzo(a)anthracene	9900	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Chrysene	14000	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Benzo(b)fluoranthene	15000	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Benzo(k)fluoranthene	5900	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Benzo(a)pyrene	11000	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Indeno(1,2,3-cd)pyrene	6800	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Dibenzo(a,h)anthracene	2800 J	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054
Benzo(g,h,i)perylene	6800	ug/kg	3300	11-JAN-01 00:39	EPA 8270	01-005-1054

Results calculated on a dry weight basis.

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: L61801-1MS, FWS-TP01-4
Description: L61801-1
Sampled On: 22-DEC-00 08:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	47	%				01-005-1054
2-Fluorobiphenyl	51	%				01-005-1054
Terphenyl-d14	47	%				01-005-1054

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: L61801-1MSD/DUP,FWS-TP014
Description: L61801-1
Sampled On: 22-DEC-00 08:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
otal Solids	75.9	%		28-DEC-00 00:00	CLP 3.0	00-132-99
Analysis Comment:61801-1D						
PA 8021						
enzene	290	ug/kg	10	30-DEC-00 03:07	EPA 8021	00-130-4038
Toluene	290	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
Ethylbenzene	310	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
-Xylene/m-Xylene	650	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
-Xylene	290	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
sopropylbenzene	280	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
n-Propylbenzene	300	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
1,3,5-Trimethylbenzene	330	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
ert-Butylbenzene	310	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
,2,4-Trimethylbenzene	310	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
sec-Butylbenzene	310	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
4-Isopropyltoluene	300	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
-Butylbenzene	290	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
aphthalene	250	ug/kg	15	30-DEC-00 03:07	EPA 8021	00-130-4038
ethyl-tert-butyl-ether (MTBE)	1300	ug/kg	74	30-DEC-00 03:07	EPA 8021	00-130-4038
Surrogate Recovery:						
PID - Bromofluorobenzene	95	%				00-130-4038
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
aphthalene	2600 J	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
cenaphthylene	1700 J	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
cenaphthene	2800 J	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Fluorene	3200 J	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Phenanthrene	14000	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
nthracene	4000	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
luoranthene	17000	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
yrene	13000	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Benzo(a)anthracene	7800	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Chrysene	6900	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
enzo(b)fluoranthene	8200	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
enzo(k)fluoranthene	3900	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Benzo(a)pyrene	6700	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Indeno(1,2,3-cd)pyrene	4900	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
esults calculated on a dry weight basis.						

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: L61801-1MSD/DUP,FWS-TP014
Description: L61801-1
Sampled On: 22-DEC-00 08:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzo(a,h)anthracene	U	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-1053
Benzo(g,h,i)perylene	4700	ug/kg	3300	10-JAN-01 23:43	EPA 8270	01-005-105[illegible]
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	40	%				01-005-105[illegible]
2-Fluorobiphenyl	46	%				01-005-105[illegible]
Terphenyl-d14	45	%				01-005-1053

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP02-4
Description: GRAB, 200403
Sampled On: 22-DEC-00 09:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	87.7	%		28-DEC-00 00:00	CLP 3.0	00-132-99
EPA 8021						
Benzene	U	ug/kg	8	29-DEC-00 07:32	EPA 8021	00-130-4028
Toluene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
Ethylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
p-Xylene/m-Xylene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
o-Xylene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
Isopropylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
n-Propylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
1,3,5-Trimethylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
tert-Butylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
1,2,4-Trimethylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
sec-Butylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
p-Isopropyltoluene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
n-Butylbenzene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
Naphthalene	U	ug/kg	11	29-DEC-00 07:32	EPA 8021	00-130-4028
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	55	29-DEC-00 07:32	EPA 8021	00-130-4028
Surrogate Recovery:						
PID - Bromofluorobenzene	96	%				00-130-4028
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Acenaphthylene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Acenaphthene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Fluorene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Phenanthrene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Anthracene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Fluoranthene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Pyrene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Benzo(a)anthracene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Chrysene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Benzo(b)fluoranthene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Benzo(k)fluoranthene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Benzo(a)pyrene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Indeno(1,2,3-cd)pyrene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Dibenzo(a,h)anthracene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Benzo(g,h,i)perylene	U	ug/kg	280	04-JAN-01 16:02	EPA 8270	00-114-3089
Results calculated on a dry weight basis.						

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP02-4
Description: GRAB, 200403
Sampled On: 22-DEC-00 09:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	68	%				00-114-3089
2-Fluorobiphenyl	69	%				00-114-3089
Terphenyl-d14	91	%				00-114-3089

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP03-1
Description: GRAB, 200403
Sampled On: 22-DEC-00 09:40 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	80.1	%		28-DEC-00 00:00	CLP 3.0	00-132-99
EPA 8021						
Benzene	U	ug/kg	9	29-DEC-00 08:17	EPA 8021	00-130-4029
Toluene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
Ethylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
p-Xylene/m-Xylene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
o-Xylene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
Isopropylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
n-Propylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
1,3,5-Trimethylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
tert-Butylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
1,2,4-Trimethylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
sec-Butylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
4-Isopropyltoluene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
n-Butylbenzene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
Naphthalene	U	ug/kg	13	29-DEC-00 08:17	EPA 8021	00-130-4029
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	64	29-DEC-00 08:17	EPA 8021	00-130-4029
Surrogate Recovery:						
PID - Bromofluorobenzene	97	%				00-130-4029
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	760	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Acenaphthylene	U	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Acenaphthene	130 J	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Fluorene	99 J	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Phenanthrene	1600	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Anthracene	290 J	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Fluoranthene	2300	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Pyrene	4400	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Benzo(a)anthracene	1600	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Chrysene	2000	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Benzo(b)fluoranthene	3200	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Benzo(k)fluoranthene	1200	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Benzo(a)pyrene	1700	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Indeno(1,2,3-cd)pyrene	1400	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Dibenzo(a,h)anthracene	230 J	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393
Benzo(g,h,i)perylene	1400	ug/kg	310	08-JAN-01 20:45	EPA 8270	00-165-1393

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP03-1
Description: GRAB, 200403
Sampled On: 22-DEC-00 09:40 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	65	%				00-165-1393
2-Fluorobiphenyl	68	%				00-165-1393
Terphenyl-d14	107	%				00-165-1393

Analysis Comment:Results Calculated on a dry weight basis. Internal standard 6 recovery below limits.

Results calculated on a dry weight basis.

Approved by: _____ Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-6

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP04-4
Description: GRAB, 200403
Sampled On: 22-DEC-00 10:25 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	76.9	%		28-DEC-00 00:00	CLP 3.0	00-132-99
EPA 8021						
Benzene	U	ug/kg	45	03-JAN-01 00:52	EPA 8021	00-130-4053
Toluene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
Ethylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
p-Xylene/m-Xylene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
o-Xylene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
Isopropylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
n-Propylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
1,3,5-Trimethylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
tert-Butylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
1,2,4-Trimethylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
sec-Butylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
p-Isopropyltoluene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
n-Butylbenzene	U	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
Naphthalene	1300	ug/kg	64	03-JAN-01 00:52	EPA 8021	00-130-4053
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	320	03-JAN-01 00:52	EPA 8021	00-130-4053
Surrogate Recovery:						
PID - Bromofluorobenzene	101	%				00-130-4053
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	18000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Acenaphthylene	2000 J	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Acenaphthene	8200	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Fluorene	16000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Phenanthrene	95000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Anthracene	26000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Fluoranthene	61000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Pyrene	69000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Benzo(a)anthracene	31000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Chrysene	28000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Benzo(b)fluoranthene	30000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Benzo(k)fluoranthene	15000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Benzo(a)pyrene	25000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Indeno(1,2,3-cd)pyrene	13000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Dibenzo(a,h)anthracene	U	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Benzo(g,h,i)perylene	12000	ug/kg	3200	08-JAN-01 17:08	EPA 8270	00-165-1389
Results calculated on a dry weight basis.						

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-6

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP04-4
Description: GRAB, 200403
Sampled On: 22-DEC-00 10:25 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	71	%				00-165-1389
2-Fluorobiphenyl	69	%				00-165-1389
Terphenyl-d14	80	%				00-165-1389

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:12-JAN-2001

Lab Sample ID: L61801-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP05-1
Description: GRAB, 200403
Sampled On: 22-DEC-00 10:45 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
otal Solids	74	%		28-DEC-00 00:00	CLP 3.0	00-132-99
EPA 8021						
enzene	U	ug/kg	11	02-JAN-01 09:06	EPA 8021	00-130-4048
oluene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
thylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
p-Xylene/m-Xylene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
o-Xylene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
sopropylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
-Propylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
,3,5-Trimethylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
tert-Butylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
1,2,4-Trimethylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
ec-Butylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
-Isopropyltoluene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
n-Butylbenzene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
Naphthalene	U	ug/kg	15	02-JAN-01 09:06	EPA 8021	00-130-4048
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	75	02-JAN-01 09:06	EPA 8021	00-130-4048
urrogate Recovery:						
ID - Bromofluorobenzene	96	%				00-130-4048
Analysis Comment:Results Calculated on a dry weight basis.						
PA 8270						
Naphthalene	160 J	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
Acenaphthylene	U	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
cenaphthene	U	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
luorene	U	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
henanthrene	380	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
Anthracene	74 J	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
Fluoranthene	550	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
yrene	1500	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
enzo(a)anthracene	660	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
hrysene	790	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
Benzo(b)fluoranthene	1700	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
Benzo(k)fluoranthene	660	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
enzo(a)pyrene	1100	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
ndeno(1,2,3-cd)pyrene	1100	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
ibenzo(a,h)anthracene	U	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055
Benzo(g,h,i)perylene	1300	ug/kg	340	11-JAN-01 01:35	EPA 8270	01-005-1055

esults calculated on a dry weight basis.

C lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:12-JAN-2001

Lab Sample ID: L61801-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP05-1
Description: GRAB, 200403
Sampled On: 22-DEC-00 10:45 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:							
Nitrobenzene-d5	88		%				01-005-1055
2-Fluorobiphenyl	85		%				01-005-1055
Terphenyl-d14	187	*	%				01-005-1055

Analysis Comment:Results Calculated on a dry weight basis. Internal standards 5 and 6 recoveries below limits.
*Surrogate recovery above acceptance limits.

Results calculated on a dry weight basis.

QC ear NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP06-1
Description: GRAB, 200403
Sampled On: 22-DEC-00 12:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
otal Solids	84	%		28-DEC-00 00:00	CLP 3.0	00-132-99
EPA 8021						
enzene	U	ug/kg	9	29-DEC-00 10:34	EPA 8021	00-130-4032
oluene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
thylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
p-Xylene/m-Xylene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
o-Xylene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
sopropylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
-Propylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
,3,5-Trimethylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
tert-Butylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
1,2,4-Trimethylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
ec-Butylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
-Isopropyltoluene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
n-Butylbenzene	U	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
Naphthalene	15	ug/kg	12	29-DEC-00 10:34	EPA 8021	00-130-4032
ethyl-tert-butyl-ether (MTBE)	U	ug/kg	62	29-DEC-00 10:34	EPA 8021	00-130-4032
urrogate Recovery:						
ID - Bromofluorobenzene	94	%				00-130-4032
Analysis Comment:Results Calculated on a dry weight basis.						
PA 8270						
Naphthalene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
Acenaphthylene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
cenaphthene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
luorene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
henanthrene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
Anthracene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
Fluoranthene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
yrene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
enzo(a)anthracene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
hrysene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
Benzo(b)fluoranthene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
Benzo(k)fluoranthene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
enzo(a)pyrene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
ndeno(1,2,3-cd)pyrene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
ibenzo(a,h)anthracene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038
Benzo(g,h,i)perylene	U	ug/kg	300	09-JAN-01 23:41	EPA 8270	01-005-1038

esults calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:11-JAN-2001

Lab Sample ID: L61801-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH FOOD SITE
Origin: FWS-TP06-1
Description: GRAB, 200403
Sampled On: 22-DEC-00 12:30 by CLIENT
Date Received: 28-DEC-00 10:37
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				03-JAN-01 00:00	EPA 3550	00-197-07
Surrogate Recovery:						
Nitrobenzene-d5	69	%				01-005-1038
2-Fluorobiphenyl	68	%				01-005-1038
Terphenyl-d14	108	%				01-005-1038

Analysis Comment:Results Calculated on a dry weight basis. Internal standard 6 recovery below limits. Confirmed by file B1394.

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-37 MAIN-S-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:10 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.501	16-AUG-01 00:00	EPA 335.2 CLPM	01-034-44
Analysis Comment:Sample analyzed past EPA holding time.						
Total Solids	94.9	%		06-AUG-01 00:00	CLP 3.0	01-072-94
Aluminum	7590	mg/kg	13.0	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Antimony	4.85 B	mg/kg	2.61	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Arsenic	10	mg/kg	1.00	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
Barium	67.3	mg/kg	0.180	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Beryllium	0.452	mg/kg	0.090	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Cadmium	1.23	mg/kg	0.450	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Calcium	1790	mg/kg	10.7	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Chromium	8.95	mg/kg	0.901	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Cobalt	6.5	mg/kg	0.630	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Copper	29.2	mg/kg	0.270	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Iron	20200	mg/kg	140	13-AUG-01 06:16	EPA 200.7 CLPM	01-096-09
Lead	224	mg/kg	3.24	14-AUG-01 09:38	EPA 200.7 CLPM	01-096-10
Magnesium	2080	mg/kg	11.6	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Manganese	342	mg/kg	0.180	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Mercury	0.066	mg/kg	0.0490	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
Nickel	18.6	mg/kg	0.540	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Potassium	729	mg/kg	10.2	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Selenium	0.29 B	mg/kg	0.190	09-AUG-01 00:00	EPA 270.2 CLPM	98-201-75
Results calculated on a dry weight basis.						

NELAC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-37 MAIN-S-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:10 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	1.49	mg/kg	0.540	14-AUG-01 09:38	EPA 200.7 CLPM	01-096-10
Sodium	32.2 B	mg/kg	6.39	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Thallium	0.65 B	mg/kg	0.195	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76
Vanadium	14.2	mg/kg	0.721	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09
Zinc	228	mg/kg	0.270	13-AUG-01 06:04	EPA 200.7 CLPM	01-096-09

Results calculated on a dry weight basis.

C MLD NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

EY:	ND or U	= None Detected	< = less than	ug/L	= micrograms per liter (equivalent to parts per billion)
	mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg	= milligrams per kilogram (equivalent to parts per million)
	B	= analyte was detected in the method or trip blank		J	= result estimated below the quantitation limit

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: L73859-2MSD/DUP, 37 MAIN
Description: L73859-2
Sampled On: 01-AUG-01 14:10 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
anide, Total	U	mg/kg	0.511	16-AUG-01 00:00	EPA 335.2 CLPM	01-034-44
Analysis Comment:Sample analyzed past EPA holding time.						
Aluminum	8030	mg/kg	14.0	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
timony	3.33 B	mg/kg	2.83	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Arsenic	10	mg/kg	1.00	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
rium	82.2	mg/kg	0.195	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
eryllium	0.458 B	mg/kg	0.098	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
dmium	1.49	mg/kg	0.488	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
lcium	1790	mg/kg	11.6	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Chromium	8.91	mg/kg	0.976	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
balt	8.13	mg/kg	0.683	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Copper	29.4	mg/kg	0.293	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
on	22100	mg/kg	150	13-AUG-01 06:21	EPA 200.7 CLPM	01-096-09
ad	222	mg/kg	3.51	14-AUG-01 09:44	EPA 200.7 CLPM	01-096-10
Magnesium	2100	mg/kg	12.6	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
nganese	503	mg/kg	0.195	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Mercury	0.068	mg/kg	0.0510	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
ckel	20.1	mg/kg	0.585	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
otassium	849	mg/kg	11.0	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Selenium	0.35 B	mg/kg	0.200	09-AUG-01 00:00	EPA 270.2 CLPM	98-201-75
lver	1.42	mg/kg	0.585	14-AUG-01 09:44	EPA 200.7 CLPM	01-096-10
Results calculated on a dry weight basis.						

NELAC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John M. Kent
Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: L73859-2MSD/DUP, 37 MAIN
Description: L73859-2
Sampled On: 01-AUG-01 14:10 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Sodium	36.4 B	mg/kg	6.93	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Thallium	0.5 B	mg/kg	0.203	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76
Vanadium	15.1	mg/kg	0.781	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09
Zinc	236	mg/kg	0.293	13-AUG-01 06:10	EPA 200.7 CLPM	01-096-09

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY:	ND or U	= None Detected	< = less than	ug/L	= micrograms per liter (equivalent to parts per billion)
	mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg	= milligrams per kilogram (equivalent to parts per million)
	B	= analyte was detected in the method or trip blank		J	= result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: L73859-2MS, 37 MAIN-S-0
Description: L73859-2
Sampled On: 01-AUG-01 14:10 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	1.75	mg/kg	0.401	16-AUG-01 00:00	EPA 335.2 CLPM	01-034-44
Analysis Comment:Sample analyzed past EPA holding time.						
Aluminum	7750	mg/kg	14.5	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Antimony	26.8	mg/kg	2.91	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Arsenic	14	mg/kg	1.00	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
Barium	248	mg/kg	0.201	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Beryllium	4.99	mg/kg	0.100	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Cadmium	5.55	mg/kg	0.502	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Calcium	2690	mg/kg	11.9	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Chromium	26.9	mg/kg	1.00	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Cobalt	53.2	mg/kg	0.702	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Copper	52.6	mg/kg	0.301	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Iron	20500	mg/kg	150	13-AUG-01 06:19	EPA 200.7 CLPM	01-096-09
Lead	267	mg/kg	3.61	14-AUG-01 09:41	EPA 200.7 CLPM	01-096-10
Magnesium	2940	mg/kg	12.9	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Manganese	377	mg/kg	0.201	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Mercury	0.32	mg/kg	0.0490	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
Nickel	64.5	mg/kg	0.602	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Potassium	1390	mg/kg	11.3	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Selenium	1	mg/kg	0.200	09-AUG-01 00:00	EPA 270.2 CLPM	98-201-75
Silver	6.45	mg/kg	0.602	14-AUG-01 09:41	EPA 200.7 CLPM	01-096-10

Results calculated on a dry weight basis.

CLP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A Kent
Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: L73859-2MS, 37 MAIN-S-0
Description: L73859-2
Sampled On: 01-AUG-01 14:10 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Sodium	939	mg/kg	7.13	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Thallium	4.8	mg/kg	0.197	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76
Vanadium	60.3	mg/kg	0.803	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09
Zinc	276	mg/kg	0.301	13-AUG-01 06:07	EPA 200.7 CLPM	01-096-09

Results calculated on a dry weight basis.

NC MD NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-6

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-12 HARMON-S-D
Description: GRAB, 200403
Sampled On: 01-AUG-01 15:00 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.527	16-AUG-01 00:00	EPA 335.2 CLPM	01-034-44
Analysis Comment:Sample analyzed past EPA holding time.						
Total Solids	93.1	%		06-AUG-01 00:00	CLP 3.0	01-072-94
Aluminum	10800	mg/kg	12.8	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Antimony	U	mg/kg	2.57	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Arsenic	6.7	mg/kg	1.00	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
Barium	123	mg/kg	0.178	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Beryllium	0.485	mg/kg	0.089	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Cadmium	0.637	mg/kg	0.444	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Calcium	1450	mg/kg	10.6	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Chromium	8.38	mg/kg	0.888	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Cobalt	6.6	mg/kg	0.621	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Copper	15.5	mg/kg	0.266	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Iron	19000	mg/kg	130	13-AUG-01 04:40	EPA 200.7 CLPM	01-096-09
Lead	73.9	mg/kg	3.20	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Magnesium	1840	mg/kg	11.5	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Manganese	639	mg/kg	0.178	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Mercury	0.055	mg/kg	0.0480	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
Nickel	16.5	mg/kg	0.533	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Potassium	559	mg/kg	10.0	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Selenium	U	mg/kg	0.200	09-AUG-01 00:00	EPA 270.2 CLPM	98-201-75
Results calculated on a dry weight basis.						

CMVO NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY:

ND or U	= None Detected	< = less than	ug/L	= micrograms per liter (equivalent to parts per billion)
mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg	= milligrams per kilogram (equivalent to parts per million)
B	= analyte was detected in the method or trip blank		J	= result estimated below the quantitation limit

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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-SEP-2001

Lab Sample ID: L73859-6

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-12 HARMON-S-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 15:00 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	0.533	13-AUG-01 05:49	EPA 200.7 CLPM	01-096-09
Sodium	35.9 B	mg/kg	6.30	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Thallium	0.62 B	mg/kg	0.203	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76
Vanadium	18.7	mg/kg	0.710	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09
Zinc	107	mg/kg	0.266	13-AUG-01 04:37	EPA 200.7 CLPM	01-096-09

Results calculated on a dry weight basis.

CMLO NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

APPENDIX D-3

GROUNDWATER SAMPLES LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 25-JAN-2001

Lab Sample ID: L62573-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS MW 01
Description: GRAB
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	U	mg/l	0.1	16-JAN-01 00:00	EPA 350.1	00-012-66
Cyanide, Total	U	mg/l	0.01	22-JAN-01 00:00	EPA 335.2 CLPM	00-013-91
Aluminum	2240	ug/l	48.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Antimony	U	ug/l	25.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Arsenic	3	ug/l	2.00	22-JAN-01 00:00	EPA 206.2 CLPM	00-026-28
Barium	122 B	ug/l	4.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Beryllium	U	ug/l	1.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Cadmium	U	ug/l	4.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Calcium	26200	ug/l	19.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Chromium	U	ug/l	8.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Cobalt	U	ug/l	10.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Copper	9.9 B	ug/l	3.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Iron	4880	ug/l	10.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Lead	36	ug/l	2.00	22-JAN-01 00:00	EPA 239.2 CLPM	01-013-3
Magnesium	6630	ug/l	60.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Manganese	168	ug/l	2.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Mercury	U	ug/l	0.2000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	10.4 B	ug/l	10.0	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Potassium	3160 B	ug/l	110	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Selenium	U	ug/l	2.00	21-JAN-01 00:00	EPA 270.2 CLPM	98-201-48
Silver	U	ug/l	6.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Sodium	6440	ug/l	140	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 25-JAN-2001

Lab Sample ID: L62573-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS MW 01
Description: GRAB
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	mg/l	2.00	20-JAN-01 00:00	EPA 279.2 CLPM	00-028-64
Vanadium	7.3 B	ug/l	7.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
Zinc	48.4	ug/l	3.00	19-JAN-01 06:52	EPA 200.7 CLPM	01-017-04
ASP 95-1						
Chloromethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
Bromomethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
Vinyl chloride	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Chloroethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Methylene chloride	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Acetone	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
Carbon disulfide	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
1,1-Dichloroethene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
trans-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
1,1-Dichloroethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
cis-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
MEK(2-Butanone)	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
Chloroform	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
1,1,1-Trichloroethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Carbon tetrachloride	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Benzene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
1,2-Dichloroethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
Trichloroethene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
1,2-Dichloropropane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Bromodichloromethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
cis-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Toluene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
trans-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
1,1,2-Trichloroethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
Tetrachloroethene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
2-Hexanone	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Dibromochloromethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Chlorobenzene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Ethylbenzene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
p-Xylene/m-Xylene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371
o-Xylene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Styrene	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
Bromoform	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-37
1,1,2,2-Tetrachloroethane	U	ug/l	10	17-JAN-01 17:58	ASP 95-1	00-163-371

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS MW 01
Description: GRAB
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
No library search compounds detected.						
Surrogate Recovery:						
1,2-Dichloroethane-d4	104	%				00-163-371
Toluene-d8	101	%				00-163-371
4-Bromofluorobenzene	97	%				00-163-371
ASP 95-3						
alpha-BHC	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
beta-BHC	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
Lindane (gamma-BHC)	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
delta-BHC	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
Heptachlor	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
Aldrin	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
Heptachlor epoxide	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
alpha-Chlordane	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
Endosulfan I	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
gamma-Chlordane	U	ug/l	0.05	23-JAN-01 00:00	ASP 95-3	99-127-25(
4,4'-DDE	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Dieldrin	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Endrin	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Endosulfan II	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
4,4'-DDD	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Endrin aldehyde	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Endosulfan sulfate	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
4,4'-DDT	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Endrin Ketone	U	ug/l	0.1	23-JAN-01 00:00	ASP 95-3	99-127-25(
Methoxychlor	U	ug/l	0.5	23-JAN-01 00:00	ASP 95-3	99-127-25(
Toxaphene	U	ug/l	5	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1016	U	ug/l	1	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1221	U	ug/l	2	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1232	U	ug/l	1	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1242	U	ug/l	1	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1248	U	ug/l	1	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1254	U	ug/l	1	23-JAN-01 00:00	ASP 95-3	99-127-25(
PCB 1260	U	ug/l	1	23-JAN-01 00:00	ASP 95-3	99-127-25(

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS MW 01
Description: GRAB
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JAN-01 00:00		00-192-1
Surrogate Recovery:						
Tetrachloro-m-xylene	100	%				99-127-250
Decachlorobiphenyl	50	%				99-127-2
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Phenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
2-Chlorophenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
1,3-Dichlorobenzene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
1,4-Dichlorobenzene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
1,2-Dichlorobenzene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Bis(2-chloroisopropylether)	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
2-Methylphenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
Hexachloroethane	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
N-Nitrosodi-N-propylamine	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
4-Methylphenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Nitrobenzene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
Isophorone	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
2-Nitrophenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
2,4-Dimethylphenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Bis(2-chloroethoxymethane)	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
2,4-Dichlorophenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
1,2,4-Trichlorobenzene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
Naphthalene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
4-Chloroaniline	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Hexachlorobutadiene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
4-Chloro-3-methylphenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
2-Methylnaphthalene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
Hexachlorocyclopentadiene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
2,4,6-Trichlorophenol	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
2,4,5-Trichlorophenol	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-1
2-Chloronaphthalene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
2-Nitroaniline	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-1
Dimethyl phthalate	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Acenaphthylene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
2,6-Dinitrotoluene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
3-Nitroaniline	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-1
Acenaphthene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
2,4-Dinitrophenol	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-115
Dibenzofuran	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
2,4-Dinitrotoluene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-1
4-Nitrophenol	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-1

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS MW 01
Description: GRAB
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Fluorene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
4-Chlorophenylphenylether	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
4-Nitroaniline	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-115
2-Methyl-4,6-dinitrophenol	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-115
N-Nitrosodiphenylamine	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
4-Bromophenylphenylether	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Hexachlorobenzene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Pentachlorophenol	U	ug/l	25	20-JAN-01 01:26	ASP 95-2	01-005-115
Phenanthrene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Anthracene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Carbazole	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Di-n-butyl phthalate	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Fluoranthene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Pyrene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Butylbenzyl phthalate	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Benzo(a)anthracene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
3,3-Dichlorobenzidine	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Chrysene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Bis-2-ethylhexyl phthalate	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Di-n-octyl phthalate	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Benzo(b)fluoranthene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Benzo(k)fluoranthene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Benzo(a)pyrene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Indeno(1,2,3-cd)pyrene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Dibenzo(a,h)anthracene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Benzo(g,h,i)perylene	U	ug/l	10	20-JAN-01 01:26	ASP 95-2	01-005-115
Extraction Information:				15-JAN-01 00:00		00-197-18

Library Search Compounds:	Results	Units	Qual	Retention Time

Surrogate Recovery:				
2-Fluorophenol	73	%		01-005-115
Phenol-d5	71	%		01-005-115
2-Chlorophenol-d4	85	%		01-005-115
1,2-Dichlorobenzene-d4	66	%		01-005-115
Nitrobenzene-d5	66	%		01-005-115
2-Fluorobiphenyl	65	%		01-005-115
2,4,6-Tribromophenol	88	%		01-005-115
Terphenyl-d14	36	%		01-005-115

QC: NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MS, FWS MW 01
Description: L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	0.494	mg/l	0.1	16-JAN-01 00:00	EPA 350.1	00-012-66
Cyanide, Total	0.101	mg/l	0.01	22-JAN-01 00:00	EPA 335.2 CLPM	00-013-91
Aluminum	4240	ug/l	48.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Antimony	449	ug/l	25.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Arsenic	41	ug/l	2.00	22-JAN-01 00:00	EPA 206.2 CLPM	00-026-28
Barium	1960	ug/l	4.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Beryllium	45.9	ug/l	1.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Cadmium	45.3	ug/l	4.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Calcium	35600	ug/l	19.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Chromium	189	ug/l	8.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Cobalt	475	ug/l	10.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Copper	238	ug/l	3.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Iron	5740	ug/l	10.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Lead	55	ug/l	2.00	22-JAN-01 00:00	EPA 239.2 CLPM	01-013-3
Magnesium	15900	ug/l	60.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Manganese	623	ug/l	2.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Mercury	0.8	ug/l	0.2000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	472	ug/l	10.0	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Potassium	12300	ug/l	110	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Selenium	11	ug/l	2.00	21-JAN-01 00:00	EPA 270.2 CLPM	98-201-43
Silver	44.5	ug/l	6.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Sodium	15700	ug/l	140	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millic
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MS, FWS MW 01
Description: L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	50	mg/l	2.00	20-JAN-01 00:00	EPA 279.2 CLPM	00-028-64
Vanadium	467	ug/l	7.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
Zinc	517	ug/l	3.00	19-JAN-01 06:55	EPA 200.7 CLPM	01-017-04
ASP 95-1						
Chloromethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Bromomethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Vinyl chloride	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Chloroethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Methylene chloride	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Acetone	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Carbon disulfide	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,1-Dichloroethene	47	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
trans-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,1-Dichloroethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
cis-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
MEK(2-Butanone)	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Chloroform	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,1,1-Trichloroethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Carbon tetrachloride	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Benzene	47	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,2-Dichloroethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Trichloroethene	44	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,2-Dichloropropane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Bromodichloromethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
cis-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Toluene	46	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
trans-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,1,2-Trichloroethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Tetrachloroethene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
2-Hexanone	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Dibromochloromethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Chlorobenzene	44	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Ethylbenzene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
p-Xylene/m-Xylene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
o-Xylene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Styrene	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
Bromoform	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371
1,1,2,2-Tetrachloroethane	U	ug/l	10	17-JAN-01 18:28	ASP 95-1	00-163-371

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MS, FWS MW 01
Description: L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
1,2-Dichloroethane-d4	103	%				00-163-3
Toluene-d8	101	%				00-163-3
4-Bromofluorobenzene	95	%				00-163-3
ASP 95-3						
Lindane (gamma-BHC)	88	%		23-JAN-01 00:00	ASP 95-3	99-127-2
Heptachlor	82	%		23-JAN-01 00:00	ASP 95-3	99-127-25
Aldrin	88	%		23-JAN-01 00:00	ASP 95-3	99-127-25
Dieldrin	16	%		23-JAN-01 00:00	ASP 95-3	99-127-2
Endrin	0	%		23-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDT	76	%		23-JAN-01 00:00	ASP 95-3	99-127-2
Extraction Information:				16-JAN-01 00:00		00-192-18
Surrogate Recovery:						
Tetrachloro-m-xylene	100	%				99-127-2
Decachlorobiphenyl	54	%				99-127-25
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
Phenol	54	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
2-Chlorophenol	58	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
1,3-Dichlorobenzene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
1,4-Dichlorobenzene	38	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
1,2-Dichlorobenzene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
Bis(2-chloroisopropylether)	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
2-Methylphenol	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
Hexachloroethane	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
N-Nitrosodi-N-propylamine	36	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
4-Methylphenol	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
Nitrobenzene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
Isophorone	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
2-Nitrophenol	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
2,4-Dimethylphenol	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
Bis(2-chloroethoxymethane)	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
2,4-Dichlorophenol	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
1,2,4-Trichlorobenzene	40	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
Naphthalene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
4-Chloroaniline	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
Hexachlorobutadiene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
4-Chloro-3-methylphenol	59	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-11
2-Methylnaphthalene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1
Hexachlorocyclopentadiene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-1

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MS, FWS MW 01
Description: L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4,6-Trichlorophenol	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
2,4,5-Trichlorophenol	U	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
2-Chloronaphthalene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
2-Nitroaniline	U	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
Dimethyl phthalate	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Acenaphthylene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
2,6-Dinitrotoluene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
3-Nitroaniline	U	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
Acenaphthene	40	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
2,4-Dinitrophenol	U	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
Dibenzofuran	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
2,4-Dinitrotoluene	41	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
4-Nitrophenol	77	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
Diethyl phthalate	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Fluorene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
4-Chlorophenylphenylether	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
4-Nitroaniline	U	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
2-Methyl-4,6-dinitrophenol	U	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
N-Nitrosodiphenylamine	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
4-Bromophenylphenylether	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Hexachlorobenzene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Pentachlorophenol	75	ug/l	25	20-JAN-01 02:20	ASP 95-2	01-005-115
Phenanthrene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Anthracene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Carbazole	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Di-n-butyl phthalate	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Fluoranthene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Pyrene	40	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Butylbenzyl phthalate	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Benzo(a)anthracene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
3,3-Dichlorobenzidine	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Chrysene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Bis-2-ethylhexyl phthalate	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Di-n-octyl phthalate	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Benzo(b)fluoranthene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Benzo(k)fluoranthene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Benzo(a)pyrene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Indeno(1,2,3-cd)pyrene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Dibenzo(a,h)anthracene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115
Benzo(g,h,i)perylene	U	ug/l	10	20-JAN-01 02:20	ASP 95-2	01-005-115

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MS, FWS MW 01
Description: L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JAN-01 00:00		00-197-1
Surrogate Recovery:						
2-Fluorophenol	80	%				01-005-115
Phenol-d5	77	%				01-005-115
2-Chlorophenol-d4	89	%				01-005-1
1,2-Dichlorobenzene-d4	68	%				01-005-1
Nitrobenzene-d5	70	%				01-005-115
2-Fluorobiphenyl	65	%				01-005-115
2,4,6-Tribromophenol	92	%				01-005-1
Terphenyl-d14	63	%				01-005-1

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 25-JAN-2001

Lab Sample ID: L62573-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MSD/DUPE, FWS MW
Description: 01 L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	U	mg/l	0.1	16-JAN-01 00:00	EPA 350.1	00-012-66
Cyanide, Total	U	mg/l	0.01	22-JAN-01 00:00	EPA 335.2 CLPM	00-013-91
Aluminum	2380	ug/l	48.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Antimony	U	ug/l	25.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Arsenic	3	ug/l	2.00	22-JAN-01 00:00	EPA 206.2 CLPM	00-026-28
Barium	120 B	ug/l	4.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Beryllium	U	ug/l	1.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Cadmium	U	ug/l	4.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Calcium	25000	ug/l	19.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Chromium	U	ug/l	8.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Cobalt	U	ug/l	10.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Copper	8.3 B	ug/l	3.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Iron	4550	ug/l	10.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Lead	37	ug/l	2.00	22-JAN-01 00:00	EPA 239.2 CLPM	01-013-3
Magnesium	6440	ug/l	60.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Manganese	154	ug/l	2.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Mercury	U	ug/l	0.2000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	U	ug/l	10.0	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Potassium	3180 B	ug/l	110	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Selenium	U	ug/l	2.00	21-JAN-01 00:00	EPA 270.2 CLPM	98-201-48
Silver	U	ug/l	6.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Sodium	6440	ug/l	140	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MSD/DUPE, FWS MW
Description: 01 L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	mg/l	2.00	20-JAN-01 00:00	EPA 279.2 CLPM	00-028-64
Vanadium	U	ug/l	7.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
Zinc	46.6	ug/l	3.00	19-JAN-01 06:58	EPA 200.7 CLPM	01-017-04
ASP 95-1						
Chloromethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Bromomethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Vinyl chloride	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Chloroethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Methylene chloride	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Acetone	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Carbon disulfide	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
1,1-Dichloroethene	49	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
trans-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
1,1-Dichloroethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
cis-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
MEK(2-Butanone)	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Chloroform	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
1,1,1-Trichloroethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Carbon tetrachloride	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Benzene	49	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
1,2-Dichloroethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Trichloroethene	47	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
1,2-Dichloropropane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Bromodichloromethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
cis-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Toluene	48	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
trans-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
1,1,2-Trichloroethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
Tetrachloroethene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
2-Hexanone	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Dibromochloromethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Chlorobenzene	46	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Ethylbenzene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
p-Xylene/m-Xylene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371
o-Xylene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Styrene	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
Bromoform	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-3
1,1,2,2-Tetrachloroethane	U	ug/l	10	17-JAN-01 18:59	ASP 95-1	00-163-371

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millic
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 25-JAN-2001

Lab Sample ID: L62573-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MSD/DUPE, FWS MW
Description: 01 L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
1,2-Dichloroethane-d4	104	%				00-163-371
Toluene-d8	100	%				00-163-371
4-Bromofluorobenzene	94	%				00-163-371
ASP 95-3						
Lindane (gamma-BHC)	61	%		23-JAN-01 00:00	ASP 95-3	99-127-250
Heptachlor	51	%		23-JAN-01 00:00	ASP 95-3	99-127-250
Aldrin	46	%		23-JAN-01 00:00	ASP 95-3	99-127-250
Dieldrin	58	%		23-JAN-01 00:00	ASP 95-3	99-127-250
Endrin	57	%		23-JAN-01 00:00	ASP 95-3	99-127-250
4,4'-DDT	39	%		23-JAN-01 00:00	ASP 95-3	99-127-250
Extraction Information:				16-JAN-01 00:00		00-192-18
Surrogate Recovery:						
Tetrachloro-m-xylene	69	%				99-127-250
Decachlorobiphenyl	26	%				99-127-250
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Phenol	50	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2-Chlorophenol	55	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
1,3-Dichlorobenzene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
1,4-Dichlorobenzene	38	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
1,2-Dichlorobenzene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Bis(2-chloroisopropylether)	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2-Methylphenol	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Hexachloroethane	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
N-Nitrosodi-N-propylamine	34	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
4-Methylphenol	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Nitrobenzene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Isophorone	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2-Nitrophenol	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2,4-Dimethylphenol	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Bis(2-chloroethoxymethane)	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2,4-Dichlorophenol	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
1,2,4-Trichlorobenzene	39	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Naphthalene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
4-Chloroaniline	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Hexachlorobutadiene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
4-Chloro-3-methylphenol	56	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2-Methylnaphthalene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Hexachlorocyclopentadiene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MSD/DUPE, FWS MW
Description: 01 L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4,6-Trichlorophenol	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2,4,5-Trichlorophenol	U	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-1
2-Chloronaphthalene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
2-Nitroaniline	U	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-115
Dimethyl phthalate	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Acenaphthylene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2,6-Dinitrotoluene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
3-Nitroaniline	U	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-1
Acenaphthene	39	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2,4-Dinitrophenol	U	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-115
Dibenzofuran	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
2,4-Dinitrotoluene	39	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-11
4-Nitrophenol	63	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-11
Diethyl phthalate	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Fluorene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
4-Chlorophenylphenylether	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
4-Nitroaniline	U	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-1
2-Methyl-4,6-dinitrophenol	U	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-1
N-Nitrosodiphenylamine	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
4-Bromophenylphenylether	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Hexachlorobenzene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Pentachlorophenol	72	ug/l	25	20-JAN-01 03:14	ASP 95-2	01-005-1
Phenanthrene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Anthracene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Carbazole	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Di-n-butyl phthalate	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Fluoranthene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Pyrene	41	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Butylbenzyl phthalate	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Benzo(a)anthracene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
3,3-Dichlorobenzidine	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Chrysene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Bis-2-ethylhexyl phthalate	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Di-n-octyl phthalate	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Benzo(b)fluoranthene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Benzo(k)fluoranthene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Benzo(a)pyrene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1
Indeno(1,2,3-cd)pyrene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Dibenzo(a,h)anthracene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-115
Benzo(g,h,i)perylene	U	ug/l	10	20-JAN-01 03:14	ASP 95-2	01-005-1

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:25-JAN-2001

Lab Sample ID: L62573-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62573-2MSD/DUPE, FWS MW
Description: 01 L62573-2
Sampled On: 09-JAN-01 15:20 by CLIENT
Date Received: 11-JAN-01 10:12
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JAN-01 00:00		00-197-18
Surrogate Recovery:						
2-Fluorophenol	77	%				01-005-115
Phenol-d5	72	%				01-005-115
2-Chlorophenol-d4	85	%				01-005-115
1,2-Dichlorobenzene-d4	66	%				01-005-115
Nitrobenzene-d5	67	%				01-005-115
2-Fluorobiphenyl	64	%				01-005-115
2,4,6-Tribromophenol	86	%				01-005-115
Terphenyl-d14	45	%				01-005-115

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 30-JAN-2001

Lab Sample ID: L62573-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-0
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	U	mg/l	0.1	16-JAN-01 00:00	EPA 350.1	00-012-6
Cyanide, Total	U	mg/l	0.01	22-JAN-01 00:00	EPA 335.2 CLPM	00-013-91
Aluminum	826	ug/l	48.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Antimony	U	ug/l	25.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Arsenic	U	ug/l	2.00	22-JAN-01 00:00	EPA 206.2 CLPM	00-026-28
Barium	78.5 B	ug/l	4.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Beryllium	U	ug/l	1.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Cadmium	U	ug/l	4.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Calcium	40600	ug/l	19.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Chromium	U	ug/l	8.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Cobalt	U	ug/l	10.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Copper	8.7 B	ug/l	3.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Iron	2270	ug/l	10.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Lead	3	ug/l	1.00	22-JAN-01 00:00	EPA 239.2 CLPM	01-013-3
Magnesium	5860	ug/l	60.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Manganese	637	ug/l	2.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Mercury	U	ug/l	0.2000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	16.2 B	ug/l	10.0	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-0
Potassium	6520	ug/l	110	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Selenium	U W	ug/l	2.00	21-JAN-01 00:00	EPA 270.2 CLPM	98-201-4

Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-0
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	ug/l	6.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Sodium	7440	ug/l	140	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Thallium	U	mg/l	2.00	20-JAN-01 00:00	EPA 279.2 CLPM	00-028-64
Vanadium	8.8 B	ug/l	7.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
Zinc	23.1	ug/l	3.00	19-JAN-01 07:07	EPA 200.7 CLPM	01-017-04
ASP 95-1						
Chloromethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Bromomethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Vinyl chloride	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Chloroethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Methylene chloride	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Acetone	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Carbon disulfide	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
1,1-Dichloroethene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
trans-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
1,1-Dichloroethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
cis-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
MEK(2-Butanone)	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Chloroform	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
1,1,1-Trichloroethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Carbon tetrachloride	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Benzene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
1,2-Dichloroethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Trichloroethene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
1,2-Dichloropropane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Bromodichloromethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
cis-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Toluene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
trans-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
1,1,2-Trichloroethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Tetrachloroethene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
2-Hexanone	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Dibromochloromethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Chlorobenzene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
Ethylbenzene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
p-Xylene/m-Xylene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(
o-Xylene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-37(

QC [signature] NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-O
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-370
Bromoform	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-3
1,1,2,2-Tetrachloroethane	U	ug/l	10	17-JAN-01 15:55	ASP 95-1	00-163-3

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	6	ug/l	J	1.94

One library search compound detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	102	%				00-163-3
Toluene-d8	98	%				00-163-3
4-Bromofluorobenzene	103	%				00-163-370

ASP 95-3

alpha-BHC	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-25
beta-BHC	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Lindane (gamma-BHC)	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
delta-BHC	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-2
Heptachlor	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-2
Aldrin	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-25
Heptachlor epoxide	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
alpha-Chlordane	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Endosulfan I	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-2
gamma-Chlordane	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDE	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Dieldrin	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endrin	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endosulfan II	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDD	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-2
Endrin aldehyde	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endosulfan sulfate	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
4,4'-DDT	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-2
Endrin Ketone	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-2
Methoxychlor	U	ug/l	0.5	24-JAN-01 00:00	ASP 95-3	99-127-2
Toxaphene	U	ug/l	5	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1016	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1221	U	ug/l	2	24-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1232	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1242	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-25
PCB 1248	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1254	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1260	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-2

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-O
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JAN-01 00:00		00-192-18
Surrogate Recovery:						
Tetrachloro-m-xylene	88	%				99-127-250
Decachlorobiphenyl	68	%				99-127-250
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Phenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Chlorophenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
1,3-Dichlorobenzene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
1,4-Dichlorobenzene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
1,2-Dichlorobenzene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Bis(2-chloroisopropylether)	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Methylphenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Hexachloroethane	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
N-Nitrosodi-N-propylamine	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
4-Methylphenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Nitrobenzene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Isophorone	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Nitrophenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,4-Dimethylphenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Bis(2-chloroethoxymethane)	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,4-Dichlorophenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
1,2,4-Trichlorobenzene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Naphthalene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
4-Chloroaniline	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Hexachlorobutadiene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
4-Chloro-3-methylphenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Methylnaphthalene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Hexachlorocyclopentadiene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,4,6-Trichlorophenol	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,4,5-Trichlorophenol	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Chloronaphthalene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Nitroaniline	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
Dimethyl phthalate	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Acenaphthylene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,6-Dinitrotoluene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
3-Nitroaniline	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
Acenaphthene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,4-Dinitrophenol	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
Dibenzofuran	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
2,4-Dinitrotoluene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
4-Nitrophenol	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115

QC 20R NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-0
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Fluorene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
4-Chlorophenylphenylether	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
4-Nitroaniline	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
2-Methyl-4,6-dinitrophenol	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
N-Nitrosodiphenylamine	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
4-Bromophenylphenylether	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Hexachlorobenzene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Pentachlorophenol	U	ug/l	28	20-JAN-01 05:02	ASP 95-2	01-005-115
Phenanthrene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Anthracene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Carbazole	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Di-n-butyl phthalate	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Fluoranthene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Pyrene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Butylbenzyl phthalate	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Benzo(a)anthracene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
3,3-Dichlorobenzidine	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Chrysene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Bis-2-ethylhexyl phthalate	9 J	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Di-n-octyl phthalate	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Benzo(b)fluoranthene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Benzo(k)fluoranthene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Benzo(a)pyrene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Indeno(1,2,3-cd)pyrene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-115
Dibenzo(a,h)anthracene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Benzo(g,h,i)perylene	U	ug/l	11	20-JAN-01 05:02	ASP 95-2	01-005-11
Extraction Information:				16-JAN-01 00:00		00-197-20

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	4	ug/l	J	30.52
Unknown	4	ug/l	J	32.77

Two library search compounds detected.

QC [illegible] NY 10252 NJ 73168 PA 68180 EPA NY 00933

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per millio
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-0
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
2-Fluorophenol	81	%				01-005-115
Phenol-d5	77	%				01-005-115
2-Chlorophenol-d4	89	%				01-005-115
1,2-Dichlorobenzene-d4	69	%				01-005-115
Nitrobenzene-d5	74	%				01-005-115
2-Fluorobiphenyl	72	%				01-005-115
2,4,6-Tribromophenol	90	%				01-005-115
Terphenyl-d14	67	%				01-005-115

QC RAP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-FD
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	U	mg/l	0.1	16-JAN-01 00:00	EPA 350.1	00-012-6
Cyanide, Total	U	mg/l	0.01	22-JAN-01 00:00	EPA 335.2 CLPM	00-013-9
Aluminum	1320	ug/l	48.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Antimony	U	ug/l	25.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Arsenic	2	ug/l	2.00	22-JAN-01 00:00	EPA 206.2 CLPM	00-026-28
Barium	85.6 B	ug/l	4.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Beryllium	U	ug/l	1.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Cadmium	U	ug/l	4.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Calcium	41500	ug/l	19.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Chromium	U	ug/l	8.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Cobalt	U	ug/l	10.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Copper	9.3 B	ug/l	3.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Iron	4080	ug/l	10.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Lead	5	ug/l	1.00	22-JAN-01 00:00	EPA 239.2 CLPM	01-013-3
Magnesium	6180	ug/l	60.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Manganese	658	ug/l	2.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Mercury	U	ug/l	0.2000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	25 B	ug/l	10.0	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-0
Potassium	6670	ug/l	110	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Selenium	U W	ug/l	2.00	21-JAN-01 00:00	EPA 270.2 CLPM	98-201-4

Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

QC QAR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-FD
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	ug/l	6.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Sodium	7570	ug/l	140	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Thallium	U	mg/l	2.00	20-JAN-01 00:00	EPA 279.2 CLPM	00-028-64
Vanadium	7.1 B	ug/l	7.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
Zinc	26.3	ug/l	3.00	19-JAN-01 07:10	EPA 200.7 CLPM	01-017-04
ASP 95-1						
Chloromethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Bromomethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Vinyl chloride	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Chloroethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Methylene chloride	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Acetone	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Carbon disulfide	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
1,1-Dichloroethene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
trans-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
1,1-Dichloroethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
cis-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
MEK(2-Butanone)	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Chloroform	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
1,1,1-Trichloroethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Carbon tetrachloride	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Benzene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
1,2-Dichloroethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Trichloroethene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
1,2-Dichloropropane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Bromodichloromethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
cis-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Toluene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
trans-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
1,1,2-Trichloroethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Tetrachloroethene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
2-Hexanone	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Dibromochloromethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Chlorobenzene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
Ethylbenzene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
p-Xylene/m-Xylene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C
o-Xylene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37C

QC gaR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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Date:30-JAN-2001

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Origin: FWS-MW03-GW-OB-FD
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-370
Bromoform	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37
1,1,2,2-Tetrachloroethane	U	ug/l	10	17-JAN-01 15:24	ASP 95-1	00-163-37

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	10	ug/l	J	1.94

One library search compound detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	100	%				00-163-3
Toluene-d8	99	%				00-163-3
4-Bromofluorobenzene	104	%				00-163-37

ASP 95-3

alpha-BHC	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-2
beta-BHC	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-25
Lindane (gamma-BHC)	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-25
delta-BHC	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-25
Heptachlor	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-2
Aldrin	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-2
Heptachlor epoxide	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-25
alpha-Chlordane	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-25
Endosulfan I	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-2
gamma-Chlordane	U	ug/l	0.06	24-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDE	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-2
Dieldrin	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-25
Endrin	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-25
Endosulfan II	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-2
4,4'-DDD	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-2
Endrin aldehyde	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-2
Endosulfan sulfate	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-25
4,4'-DDT	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-25
Endrin Ketone	U	ug/l	0.11	24-JAN-01 00:00	ASP 95-3	99-127-2
Methoxychlor	U	ug/l	0.55	24-JAN-01 00:00	ASP 95-3	99-127-2
Toxaphene	U	ug/l	5.5	24-JAN-01 00:00	ASP 95-3	99-127-25
PCB 1016	U	ug/l	1.1	24-JAN-01 00:00	ASP 95-3	99-127-25
PCB 1221	U	ug/l	2.2	24-JAN-01 00:00	ASP 95-3	99-127-25
PCB 1232	U	ug/l	1.1	24-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1242	U	ug/l	1.1	24-JAN-01 00:00	ASP 95-3	99-127-2
PCB 1248	U	ug/l	1.1	24-JAN-01 00:00	ASP 95-3	99-127-25
PCB 1254	U	ug/l	1.1	24-JAN-01 00:00	ASP 95-3	99-127-25
PCB 1260	U	ug/l	1.1	24-JAN-01 00:00	ASP 95-3	99-127-25

QC eal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-FD
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JAN-01 00:00		00-192-18
Surrogate Recovery:						
Tetrachloro-m-xylene	96	%				99-127-250
Decachlorobiphenyl	56	%				99-127-250
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Phenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Chlorophenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
1,3-Dichlorobenzene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
1,4-Dichlorobenzene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
1,2-Dichlorobenzene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Bis(2-chloroisopropylether)	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Methylphenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Hexachloroethane	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
N-Nitrosodi-N-propylamine	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
4-Methylphenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Nitrobenzene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Isophorone	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Nitrophenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,4-Dimethylphenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Bis(2-chloroethoxymethane)	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,4-Dichlorophenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
1,2,4-Trichlorobenzene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Naphthalene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
4-Chloroaniline	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Hexachlorobutadiene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
4-Chloro-3-methylphenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Methylnaphthalene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Hexachlorocyclopentadiene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,4,6-Trichlorophenol	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,4,5-Trichlorophenol	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Chloronaphthalene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Nitroaniline	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
Dimethyl phthalate	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Acenaphthylene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,6-Dinitrotoluene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
3-Nitroaniline	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
Acenaphthene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,4-Dinitrophenol	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
Dibenzofuran	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
2,4-Dinitrotoluene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
4-Nitrophenol	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-FD
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Fluorene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
4-Chlorophenylphenylether	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
4-Nitroaniline	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
2-Methyl-4,6-dinitrophenol	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
N-Nitrosodiphenylamine	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
4-Bromophenylphenylether	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Hexachlorobenzene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Pentachlorophenol	U	ug/l	28	20-JAN-01 05:56	ASP 95-2	01-005-115
Phenanthrene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Anthracene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Carbazole	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Di-n-butyl phthalate	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Fluoranthene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Pyrene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Butylbenzyl phthalate	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Benzo(a)anthracene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
3,3-Dichlorobenzidine	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Chrysene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Bis-2-ethylhexyl phthalate	10 J	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Di-n-octyl phthalate	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Benzo(b)fluoranthene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Benzo(k)fluoranthene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Benzo(a)pyrene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Indeno(1,2,3-cd)pyrene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-115
Dibenzo(a,h)anthracene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Benzo(g,h,i)perylene	U	ug/l	11	20-JAN-01 05:56	ASP 95-2	01-005-1
Extraction Information:				16-JAN-01 00:00		00-197-20

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	4	ug/l	J	26.44

One library search compound detected.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00939

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millic
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-MW03-GW-OB-FD
Description: GRAB
Sampled On: 10-JAN-01 12:20 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
2-Fluorophenol	66	%				01-005-115
Phenol-d5	62	%				01-005-115
2-Chlorophenol-d4	73	%				01-005-115
1,2-Dichlorobenzene-d4	57	%				01-005-115
Nitrobenzene-d5	58	%				01-005-115
2-Fluorobiphenyl	65	%				01-005-115
2,4,6-Tribromophenol	90	%				01-005-115
Terphenyl-d14	49	%				01-005-115

QC lak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millior
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW04-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	0.257	mg/l	0.1	25-JAN-01 00:00	EPA 350.1	00-012-6
Cyanide, Total	U	mg/l	0.01	24-JAN-01 00:00	EPA 335.2 CLPM	00-013-93
Aluminum	135000	ug/l	48.0	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Antimony	U	ug/l	25.0	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Arsenic	120	ug/l	10.0	31-JAN-01 00:00	EPA 206.2 CLPM	00-026-34
Barium	961	ug/l	4.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Beryllium	7.9	ug/l	1.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Cadmium	5 B	ug/l	4.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Calcium	125000	ug/l	19.0	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Chromium	147	ug/l	8.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Cobalt	153	ug/l	10.0	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Copper	197	ug/l	3.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Iron	343000	ug/l	200	31-JAN-01 02:32	EPA 200.7 CLPM	01-017-0
Lead	120	ug/l	10.0	30-JAN-01 00:00	EPA 239.2 CLPM	00-013-8
Magnesium	71000	ug/l	60.0	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Manganese	3060	ug/l	2.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Mercury	U	ug/l	0.2000	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-34
Nickel	335	ug/l	10.0	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Potassium	25500	ug/l	110	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Selenium	U	ug/l	2.00	31-JAN-01 00:00	EPA 270.2 CLPM	98-201-5
Silver	U	ug/l	6.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-0
Sodium	23300	ug/l	140	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07

QC car NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW04-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	8 B	ug/l	2.00	30-JAN-01 00:00	EPA 279.2 CLPM	00-028-69
Vanadium	182	ug/l	7.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
Zinc	680	ug/l	3.00	31-JAN-01 02:29	EPA 200.7 CLPM	01-017-07
ASP 95-1						
Chloromethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Bromomethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Vinyl chloride	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Chloroethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Methylene chloride	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Acetone	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Carbon disulfide	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,1-Dichloroethene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
trans-1,2-Dichloroethene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,1-Dichloroethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
cis-1,2-Dichloroethene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
MEK(2-Butanone)	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Chloroform	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,1,1-Trichloroethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Carbon tetrachloride	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Benzene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,2-Dichloroethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Trichloroethene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,2-Dichloropropane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Bromodichloromethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
cis-1,3-Dichloropropene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Toluene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
trans-1,3-Dichloropropene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,1,2-Trichloroethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Tetrachloroethene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
2-Hexanone	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Dibromochloromethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Chlorobenzene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Ethylbenzene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
p-Xylene/m-Xylene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
o-Xylene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Styrene	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
Bromoform	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375
1,1,2,2-Tetrachloroethane	U	ug/l	10	19-JAN-01 20:11	ASP 95-1	00-163-375

QC CaR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW04-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	10	ug/l	J	1.94
Unknown	5	ug/l	J	5.46
Unknown	13	ug/l	J	20.82

Three library search compounds detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	97	%				00-163-3
Toluene-d8	100	%				00-163-3
4-Bromofluorobenzene	102	%				00-163-3
ASP 95-3						
alpha-BHC	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-2
beta-BHC	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-2
Lindane (gamma-BHC)	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-25
delta-BHC	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-25
Heptachlor	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-2
Aldrin	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-2
Heptachlor epoxide	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-25
alpha-Chlordane	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-25
Endosulfan I	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-25
gamma-Chlordane	U	ug/l	0.05	03-FEB-01 00:00	ASP 95-3	99-127-2
4,4'-DDE	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-2
Dieldrin	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-25
Endrin	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-25
Endosulfan II	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-25
4,4'-DDD	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-2
Endrin aldehyde	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-2
Endosulfan sulfate	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-25
4,4'-DDT	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-25
Endrin Ketone	U	ug/l	0.11	03-FEB-01 00:00	ASP 95-3	99-127-2
Methoxychlor	U	ug/l	0.54	03-FEB-01 00:00	ASP 95-3	99-127-2
Toxaphene	U	ug/l	5.4	03-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1016	U	ug/l	1.1	03-FEB-01 00:00	ASP 95-3	99-127-25
PCB 1221	U	ug/l	2.2	03-FEB-01 00:00	ASP 95-3	99-127-25
PCB 1232	U	ug/l	1.1	03-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1242	U	ug/l	1.1	03-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1248	U	ug/l	1.1	03-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1254	U	ug/l	1.1	03-FEB-01 00:00	ASP 95-3	99-127-25
PCB 1260	U	ug/l	1.1	03-FEB-01 00:00	ASP 95-3	99-127-25

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW04-OB-GW-O
Description: GRAB
Sampled On: 15-JAN-01 17:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					22-JAN-01 00:00		00-192-25
Surrogate Recovery:							
Tetrachloro-m-xylene	76		%				99-127-259
Decachlorobiphenyl	25	*	%				99-127-259
Analysis Comment:*-Surrogate recovery below limit.							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Phenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2-Chlorophenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
1,3-Dichlorobenzene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
1,4-Dichlorobenzene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
1,2-Dichlorobenzene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Bis(2-chloroisopropylether)	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2-Methylphenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Hexachloroethane	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
N-Nitrosodi-N-propylamine	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
4-Methylphenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Nitrobenzene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Isophorone	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2-Nitrophenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,4-Dimethylphenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Bis(2-chloroethoxymethane)	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,4-Dichlorophenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
1,2,4-Trichlorobenzene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Naphthalene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
4-Chloroaniline	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Hexachlorobutadiene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
4-Chloro-3-methylphenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2-Methylnaphthalene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Hexachlorocyclopentadiene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,4,6-Trichlorophenol	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,4,5-Trichlorophenol	U		ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-119
2-Chloronaphthalene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2-Nitroaniline	U		ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-119
Dimethyl phthalate	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Acenaphthylene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,6-Dinitrotoluene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
3-Nitroaniline	U		ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-119
Acenaphthene	U		ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,4-Dinitrophenol	U		ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-119

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW04-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzofuran	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
2,4-Dinitrotoluene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
4-Nitrophenol	U	ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-11
Diethyl phthalate	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Fluorene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
4-Chlorophenylphenylether	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
4-Nitroaniline	U	ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-11
2-Methyl-4,6-dinitrophenol	U	ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-11
N-Nitrosodiphenylamine	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
4-Bromophenylphenylether	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Hexachlorobenzene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Pentachlorophenol	U	ug/l	33	25-JAN-01 14:41	ASP 95-2	01-005-1
Phenanthrene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Anthracene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Carbazole	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Di-n-butyl phthalate	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Fluoranthene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-1
Pyrene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Butylbenzyl phthalate	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Benzo(a)anthracene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
3,3-Dichlorobenzidine	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-1
Chrysene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-1
Bis-2-ethylhexyl phthalate	6 J	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Di-n-octyl phthalate	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Benzo(b)fluoranthene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Benzo(k)fluoranthene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-1
Benzo(a)pyrene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-1
Indeno(1,2,3-cd)pyrene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Dibenzo(a,h)anthracene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-119
Benzo(g,h,i)perylene	U	ug/l	13	25-JAN-01 14:41	ASP 95-2	01-005-11
Extraction Information:				22-JAN-01 00:00		00-197-2

Library Search Compounds:	Results	Units	Qual	Retention Time

QC ear NY 10252 NJ 73168 PA 68180 EPA NY 00030

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW04-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:							
2-Fluorophenol	73		%				01-005-119
Phenol-d5	67		%				01-005-119
2-Chlorophenol-d4	87		%				01-005-119
1,2-Dichlorobenzene-d4	64		%				01-005-119
Nitrobenzene-d5	68		%				01-005-119
2-Fluorobiphenyl	55		%				01-005-119
2,4,6-Tribromophenol	79		%				01-005-119
Terphenyl-d14	8	*	%				01-005-119

Analysis Comment:* Surrogate recovery below acceptance limits. Confirmed by file A1192.

QC QAR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: DISS., FWS-MW04-OB-GW-RS
Description: GRAB, 200403
Sampled On: 01-AUG-01 15:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Aluminum	U	ug/l	140	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Antimony	U	ug/l	29.0	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Arsenic	U	ug/l	2.00	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
Barium	68.3 B	ug/l	2.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Beryllium	U	ug/l	1.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Cadmium	U	ug/l	5.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Calcium	77900	ug/l	120	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Chromium	U	ug/l	10.0	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Cobalt	U	ug/l	7.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Copper	5.9 B	ug/l	3.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Iron	U	ug/l	75.0	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Lead	2.8 B	ug/l	1.00	15-AUG-01 00:00	EPA 239.2 CLPM	01-014-71
Magnesium	9770	ug/l	130	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Manganese	24.4	ug/l	2.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Mercury	U	ug/l	0.2000	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
Nickel	U	ug/l	6.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Potassium	2270 B	ug/l	110	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Selenium	U	ug/l	2.00	13-AUG-01 00:00	EPA 270.2 CLPM	98-201-77
Silver	U	ug/l	6.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Sodium	21600	ug/l	71.0	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
Thallium	U	ug/l	2.00	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76

NCMAP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: DISS., FWS-MW04-OB-GW-RS
Description: GRAB, 200403
Sampled On: 01-AUG-01 15:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Vanadium	U	ug/l	8.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09
inc	13.6 B	ug/l	3.00	13-AUG-01 03:59	EPA 200.7 CLPM	01-096-09

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:06-SEP-2001

Lab Sample ID: L73859-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-MW04-OB-GW-RS
Description: GRAB, 200403
Sampled On: 01-AUG-01 15:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/l	0.01	16-AUG-01 00:00	EPA 335.2 CLPM	01-034-44
Analysis Comment:Sample analyzed past EPA holding time.						

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John Kent
Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW05-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Ammonia as N	U	mg/l	0.1	25-JAN-01 00:00	EPA 350.1	00-012-67
Cyanide, Total	U	mg/l	0.01	24-JAN-01 00:00	EPA 335.2 CLPM	00-013-93
Aluminum	758	ug/l	48.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Antimony	U	ug/l	25.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Arsenic	U	ug/l	2.00	29-JAN-01 00:00	EPA 206.2 CLPM	00-026-33
Barium	122 B	ug/l	4.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Beryllium	U	ug/l	1.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Cadmium	U	ug/l	4.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Calcium	39000	ug/l	19.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Chromium	U	ug/l	8.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Cobalt	U	ug/l	10.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Copper	10.3 B	ug/l	3.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Iron	1880	ug/l	10.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Lead	6	ug/l	1.00	30-JAN-01 00:00	EPA 239.2 CLPM	00-013-8
Magnesium	4170 B	ug/l	60.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Manganese	70	ug/l	2.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Mercury	U	ug/l	0.2000	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-34
Nickel	U	ug/l	10.0	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Potassium	8560	ug/l	110	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Selenium	U	ug/l	2.00	31-JAN-01 00:00	EPA 270.2 CLPM	98-201-51
Silver	U	ug/l	6.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Sodium	33800	ug/l	140	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07

QC CoA NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW05-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	ug/l	2.00	30-JAN-01 00:00	EPA 279.2 CLPM	00-028-69
Vanadium	U	ug/l	7.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
Zinc	34.7	ug/l	3.00	31-JAN-01 02:26	EPA 200.7 CLPM	01-017-07
ASP 95-1						
Chloromethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Bromomethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Vinyl chloride	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Chloroethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Methylene chloride	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Acetone	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Carbon disulfide	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
1,1-Dichloroethene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
trans-1,2-Dichloroethene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
1,1-Dichloroethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
cis-1,2-Dichloroethene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
MEK(2-Butanone)	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Chloroform	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
1,1,1-Trichloroethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Carbon tetrachloride	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Benzene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
1,2-Dichloroethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Trichloroethene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
1,2-Dichloropropane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Bromodichloromethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
cis-1,3-Dichloropropene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Toluene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
trans-1,3-Dichloropropene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
1,1,2-Trichloroethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Tetrachloroethene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
2-Hexanone	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Dibromochloromethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Chlorobenzene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Ethylbenzene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
p-Xylene/m-Xylene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
o-Xylene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375
Styrene	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
Bromoform	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-37
1,1,2,2-Tetrachloroethane	U	ug/l	10	19-JAN-01 19:39	ASP 95-1	00-163-375

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A. Kent
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW05-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
No library search compounds detected.						
Surrogate Recovery:						
1,2-Dichloroethane-d4	98	%				00-163-375
Toluene-d8	101	%				00-163-375
4-Bromofluorobenzene	100	%				00-163-375
ASP 95-3						
alpha-BHC	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
beta-BHC	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
Lindane (gamma-BHC)	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
delta-BHC	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
Heptachlor	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
Aldrin	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
Heptachlor epoxide	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
alpha-Chlordane	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
Endosulfan I	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
gamma-Chlordane	U	ug/l	0.07	03-FEB-01 00:00	ASP 95-3	99-127-259
4,4'-DDE	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Dieldrin	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Endrin	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Endosulfan II	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
4,4'-DDD	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Endrin aldehyde	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Endosulfan sulfate	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
4,4'-DDT	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Endrin Ketone	U	ug/l	0.13	03-FEB-01 00:00	ASP 95-3	99-127-259
Methoxychlor	U	ug/l	0.66	03-FEB-01 00:00	ASP 95-3	99-127-259
Toxaphene	U	ug/l	6.6	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1016	U	ug/l	1.3	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1221	U	ug/l	2.6	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1232	U	ug/l	1.3	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1242	U	ug/l	1.3	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1248	U	ug/l	1.3	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1254	U	ug/l	1.3	03-FEB-01 00:00	ASP 95-3	99-127-259
PCB 1260	U	ug/l	1.3	03-FEB-01 00:00	ASP 95-3	99-127-259

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW05-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				22-JAN-01 00:00		00-192-25
Surrogate Recovery:						
Tetrachloro-m-xylene	91	%				99-127-259
Decachlorobiphenyl	79	%				99-127-259
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Phenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
2-Chlorophenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
1,3-Dichlorobenzene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
1,4-Dichlorobenzene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
1,2-Dichlorobenzene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Bis(2-chloroisopropylether)	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
2-Methylphenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
Hexachloroethane	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
N-Nitrosodi-N-propylamine	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
4-Methylphenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Nitrobenzene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
Isophorone	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
2-Nitrophenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
2,4-Dimethylphenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Bis(2-chloroethoxymethane)	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
2,4-Dichlorophenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
1,2,4-Trichlorobenzene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
Naphthalene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
4-Chloroaniline	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Hexachlorobutadiene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
4-Chloro-3-methylphenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
2-Methylnaphthalene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
Hexachlorocyclopentadiene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
2,4,6-Trichlorophenol	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
2,4,5-Trichlorophenol	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-119
2-Chloronaphthalene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
2-Nitroaniline	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-11
Dimethyl phthalate	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Acenaphthylene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
2,6-Dinitrotoluene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
3-Nitroaniline	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-11
Acenaphthene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
2,4-Dinitrophenol	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-119
Dibenzofuran	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
2,4-Dinitrotoluene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-11
4-Nitrophenol	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-11

QC car NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-MW05-OB-GW-0
Description: GRAB
Sampled On: 15-JAN-01 17:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Fluorene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
4-Chlorophenylphenylether	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
4-Nitroaniline	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-119
2-Methyl-4,6-dinitrophenol	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-119
N-Nitrosodiphenylamine	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
4-Bromophenylphenylether	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Hexachlorobenzene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Pentachlorophenol	U	ug/l	28	25-JAN-01 15:36	ASP 95-2	01-005-119
Phenanthrene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Anthracene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Carbazole	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Di-n-butyl phthalate	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Fluoranthene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Pyrene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Butylbenzyl phthalate	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Benzo(a)anthracene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
3,3-Dichlorobenzidine	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Chrysene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Bis-2-ethylhexyl phthalate	3 J	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Di-n-octyl phthalate	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Benzo(b)fluoranthene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Benzo(k)fluoranthene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Benzo(a)pyrene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Indeno(1,2,3-cd)pyrene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Dibenzo(a,h)anthracene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Benzo(g,h,i)perylene	U	ug/l	11	25-JAN-01 15:36	ASP 95-2	01-005-119
Extraction Information:				22-JAN-01 00:00		00-197-29

Library Search Compounds:	Results	Units	Qual	Retention Time

Surrogate Recovery:			
2-Fluorophenol	73	%	01-005-119
Phenol-d5	71	%	01-005-119
2-Chlorophenol-d4	88	%	01-005-119
1,2-Dichlorobenzene-d4	66	%	01-005-119
Nitrobenzene-d5	67	%	01-005-119
2-Fluorobiphenyl	70	%	01-005-119
2,4,6-Tribromophenol	79	%	01-005-119
Terphenyl-d14	34	%	01-005-119

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-PUMP RINSE
Description: GRAB, 200403
Sampled On: 01-AUG-01 11:58 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/l	0.01	08-AUG-01 14:34	EPA 335.2 CLPM	01-034-43
Aluminum	U	ug/l	140	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Antimony	U	ug/l	29.0	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Arsenic	U	ug/l	2.00	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
Barium	U	ug/l	2.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Beryllium	U	ug/l	1.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Cadmium	U	ug/l	5.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Calcium	781 B	ug/l	120	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Chromium	U	ug/l	10.0	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Cobalt	U	ug/l	7.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Copper	U	ug/l	3.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Iron	U	ug/l	75.0	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Lead	2.7 B	ug/l	1.00	15-AUG-01 00:00	EPA 239.2 CLPM	01-014-71
Magnesium	U	ug/l	130	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Manganese	U	ug/l	2.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Mercury	U	ug/l	0.2000	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
Nickel	U	ug/l	6.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Potassium	U	ug/l	110	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Selenium	U	ug/l	2.00	13-AUG-01 00:00	EPA 270.2 CLPM	98-201-77
Silver	U	ug/l	6.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Sodium	169 B	ug/l	71.0	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09

C MLD NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A Kent
Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-PUMP RINSE
Description: GRAB, 200403
Sampled On: 01-AUG-01 11:58 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	ug/l	2.00	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76
Vanadium	U	ug/l	8.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09
Zinc	22.6	ug/l	3.00	13-AUG-01 03:56	EPA 200.7 CLPM	01-096-09

NELAP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY:

ND or U	= None Detected	< = less than	ug/L = micrograms per liter (equivalent to parts per billion)
mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg = milligrams per kilogram (equivalent to parts per million)
B	= analyte was detected in the method or trip blank		J = result estimated below the quantitation limit

APPENDIX D-4

DRAINS/SUMPS/OUTFALL SEDIMENT SAMPLES LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-DRO1-SED-0
Description: GRAB
Sampled On: 15-JAN-01 10:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.42	mg/kg	0.260	26-JAN-01 00:00	EPA 279.2 CLPM	00-028-68
Vanadium	23.5 B	mg/kg	19.2	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Zinc	6530	mg/kg	8.22	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
ASP 95-1						
Chloromethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Bromomethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Vinyl chloride	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Chloroethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Methylene chloride	4 J	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Acetone	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Carbon disulfide	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,1-Dichloroethene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
trans-1,2-Dichloroethene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,1-Dichloroethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
cis-1,2-Dichloroethene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
MEK(2-Butanone)	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Chloroform	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,1,1-Trichloroethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Carbon tetrachloride	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Benzene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,2-Dichloroethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Trichloroethene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,2-Dichloropropane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Bromodichloromethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
cis-1,3-Dichloropropene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
MIBK(4-Methyl-2-pentanone)	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Toluene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
trans-1,3-Dichloropropene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,1,2-Trichloroethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Tetrachloroethene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
2-Hexanone	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Dibromochloromethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Chlorobenzene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Ethylbenzene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
p-Xylene/m-Xylene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
o-Xylene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Styrene	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
Bromoform	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374
1,1,2,2-Tetrachloroethane	U	ug/kg	14	19-JAN-01 13:37	ASP 95-1	00-163-374

Results calculated on a dry weight basis.

QC car NY 10252 NJ 73168 PA 68180 EPA NY 00939

Approved by: John A Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-DRO1-SED-0
Description: GRAB
Sampled On: 15-JAN-01 10:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	9	ug/kg	J	1.94		
Unknown	10	ug/kg	J	5.42		
Two library search compounds detected.						
Surrogate Recovery:						
1,2-Dichloroethane-d4	95	%				00-163-374
Toluene-d8	117	%				00-163-374
4-Bromofluorobenzene	83	%				00-163-37
Analysis Comment:Internal standard 3 recovery below limits. Confirmed by file C3755.						
ASP 95-3						
alpha-BHC	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-26
beta-BHC	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-264
Lindane (gamma-BHC)	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-264
delta-BHC	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-26
Heptachlor	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-26
Aldrin	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-26
Heptachlor epoxide	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-264
alpha-Chlordane	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan I	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-26
gamma-Chlordane	U	ug/kg	48	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDE	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-26
Dieldrin	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan II	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDD	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-26
Endrin aldehyde	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan sulfate	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDT	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin Ketone	U	ug/kg	94	07-FEB-01 00:00	ASP 95-3	99-127-26
Methoxychlor	U	ug/kg	480	07-FEB-01 00:00	ASP 95-3	99-127-26
Toxaphene	U	ug/kg	4800	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1016	U	ug/kg	940	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1221	U	ug/kg	1900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1232	U	ug/kg	940	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1242	U	ug/kg	940	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1248	U	ug/kg	940	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	14000	ug/kg	940	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1260	U	ug/kg	940	07-FEB-01 00:00	ASP 95-3	99-127-26

Results calculated on a dry weight basis.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00830

Approved by: John R. Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-DRO1-SED-0
Description: GRAB
Sampled On: 15-JAN-01 10:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				23-JAN-01 00:00		00-192-26
Surrogate Recovery:						
Tetrachloro-m-xylene	257 D	%				99-127-264
Decachlorobiphenyl	113	%				99-127-264
Analysis Comment:D-Diluted out.						
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Phenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2-Chlorophenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
1,3-Dichlorobenzene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
1,4-Dichlorobenzene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
1,2-Dichlorobenzene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Bis(2-chloroisopropylether)	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2-Methylphenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Hexachloroethane	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
N-Nitrosodi-N-propylamine	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
4-Methylphenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Nitrobenzene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Isophorone	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2-Nitrophenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,4-Dimethylphenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Bis(2-chloroethoxymethane)	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,4-Dichlorophenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
1,2,4-Trichlorobenzene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Naphthalene	9700 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
4-Chloroaniline	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Hexachlorobutadiene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
4-Chloro-3-methylphenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2-Methylnaphthalene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Hexachlorocyclopentadiene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,4,6-Trichlorophenol	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,4,5-Trichlorophenol	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-133
2-Chloronaphthalene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2-Nitroaniline	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-133
Dimethyl phthalate	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Acenaphthylene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,6-Dinitrotoluene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
3-Nitroaniline	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-133
Acenaphthene	33000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,4-Dinitrophenol	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-133

Results calculated on a dry weight basis.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00[illegible]

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-DRO1-SED-0
Description: GRAB
Sampled On: 15-JAN-01 10:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzofuran	20000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
2,4-Dinitrotoluene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
4-Nitrophenol	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-13
Diethyl phthalate	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Fluorene	36000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
4-Chlorophenylphenylether	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
4-Nitroaniline	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-13
2-Methyl-4,6-dinitrophenol	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-13
N-Nitrosodiphenylamine	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
4-Bromophenylphenylether	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Hexachlorobenzene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Pentachlorophenol	U	ug/kg	240000	12-FEB-01 17:17	ASP 95-2	01-005-13
Phenanthrene	290000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
Anthracene	79000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Carbazole	47000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Di-n-butyl phthalate	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Fluoranthene	250000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
Pyrene	540000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
Butylbenzyl phthalate	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Benzo(a)anthracene	150000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
3,3-Dichlorobenzidine	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Chrysene	130000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
Bis-2-ethylhexyl phthalate	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Di-n-octyl phthalate	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Benzo(b)fluoranthene	150000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Benzo(k)fluoranthene	53000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
Benzo(a)pyrene	110000	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-13
Indeno(1,2,3-cd)pyrene	86000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Dibenzo(a,h)anthracene	U	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Benzo(g,h,i)perylene	81000 J	ug/kg	95000	12-FEB-01 17:17	ASP 95-2	01-005-133
Extraction Information:				23-JAN-01 00:00		00-197-30

Library Search Compounds:	Results	Units	Qual	Retention Time

Results calculated on a dry weight basis.

QC CAR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-DRO1-SED-0
Description: GRAB
Sampled On: 15-JAN-01 10:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	23000	ug/kg	J	24.62			
Unknown	22000	ug/kg	J	26.6			
Unknown	28000	ug/kg	J	26.68			
Unknown	44000	ug/kg	J	26.89			
Unknown	40000	ug/kg	J	30.59			
Unknown	38000	ug/kg	J	30.8			
Six library search compounds detected.							
Surrogate Recovery:							
2-Fluorophenol	0	D	%				01-005-133
Phenol-d5	0	D	%				01-005-133
2-Chlorophenol-d4	0	D	%				01-005-133
1,2-Dichlorobenzene-d4	0	D	%				01-005-133
Nitrobenzene-d5	0	D	%				01-005-133
2-Fluorobiphenyl	0	D	%				01-005-133
2,4,6-Tribromophenol	0	D	%				01-005-133
Terphenyl-d14	0	D	%				01-005-133

Analysis Comment:Internal standards 5 and 6 recoveries below limits. Confirmed by file A1321. D-diluted out.

Results calculated on a dry weight basis.

QC lak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I N C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 01 SED 0
Description: GRAB
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	0.899	mg/kg	0.601	17-JAN-01 00:00	EPA 335.2 CLPM	00-013-88
Total Solids	81.4	%		08-JAN-01 00:00	CLP 3.0	01-001-4
Aluminum	4270	mg/kg	5.67	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Antimony	U	mg/kg	59.1	12-JAN-01 10:18	EPA 200.7 CLPM	01-017-02
Arsenic	13	mg/kg	1.10	15-JAN-01 00:00	EPA 206.2 CLPM	00-026-24
Barium	2870	mg/kg	0.473	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Beryllium	0.577 B	mg/kg	0.118	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Cadmium	16.6	mg/kg	9.45	12-JAN-01 10:18	EPA 200.7 CLPM	01-017-02
Calcium	18100	mg/kg	2.24	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Chromium	159	mg/kg	0.945	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Cobalt	33.5	mg/kg	1.18	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Copper	582	mg/kg	0.354	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Iron	209000	mg/kg	23.6	12-JAN-01 10:18	EPA 200.7 CLPM	01-017-02
Lead	866	mg/kg	4.73	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Magnesium	4660	mg/kg	7.09	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Manganese	1450	mg/kg	4.73	12-JAN-01 10:18	EPA 200.7 CLPM	01-017-02
Mercury	0.068 E	mg/kg	0.0540	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Analysis Comment:E-result estimated due to high matrix spike recovery.						
Nickel	154	mg/kg	1.18	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Potassium	390 B	mg/kg	13.1	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Selenium	U	mg/kg	0.230	15-JAN-01 00:00	EPA 270.2 CLPM	98-021-47
Silver	U	mg/kg	14.2	12-JAN-01 10:18	EPA 200.7 CLPM	01-017-02

Results calculated on a dry weight basis.

QC oak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 01 SED 0
Description: GRAB
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Sodium	375 B	mg/kg	16.5	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Thallium	0.97 B	mg/kg	0.230	12-JAN-01 00:00	EPA 279.2 CLPM	00-028-58
Vanadium	69	mg/kg	0.827	12-JAN-01 10:15	EPA 200.7 CLPM	01-017-02
Zinc	4590	mg/kg	7.09	12-JAN-01 10:18	EPA 200.7 CLPM	01-017-02
ASP 95-1						
Chloromethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Bromomethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Vinyl chloride	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Chloroethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Methylene chloride	11 J	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Acetone	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Carbon disulfide	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
1,1-Dichloroethene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
trans-1,2-Dichloroethene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
1,1-Dichloroethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
cis-1,2-Dichloroethene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
MEK(2-Butanone)	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Chloroform	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
1,1,1-Trichloroethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Carbon tetrachloride	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Benzene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
1,2-Dichloroethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Trichloroethene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
1,2-Dichloropropane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Bromodichloromethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
cis-1,3-Dichloropropene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Toluene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
trans-1,3-Dichloropropene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
1,1,2-Trichloroethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Tetrachloroethene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
2-Hexanone	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Dibromochloromethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Chlorobenzene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Ethylbenzene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
p-Xylene/m-Xylene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
o-Xylene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Styrene	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360
Bromoform	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-360

Results calculated on a dry weight basis.

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 01 SED 0
Description: GRAB
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2,2-Tetrachloroethane	U	ug/kg	12	10-JAN-01 14:52	ASP 95-1	00-163-36

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	15	ug/kg	J	5.44

One library search compound detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	96	%				00-163-3(
Toluene-d8	105	%				00-163-360
4-Bromofluorobenzene	96	%				00-163-360

ASP 95-3

alpha-BHC	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
beta-BHC	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Lindane (gamma-BHC)	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
delta-BHC	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-26
Heptachlor	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-26
Aldrin	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor epoxide	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
alpha-Chlordane	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-26
Endosulfan I	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-26
gamma-Chlordane	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDE	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Dieldrin	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-26
Endosulfan II	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDD	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-26
Endrin aldehyde	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan sulfate	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDT	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-26
Endrin Ketone	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-26
Methoxychlor	U	ug/kg	420	07-FEB-01 00:00	ASP 95-3	99-127-264
Toxaphene	U	ug/kg	4200	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1016	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1221	U	ug/kg	1600	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1232	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1242	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1248	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	10000	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1260	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-26

Results calculated on a dry weight basis.

QC lal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 01 SED 0
Description: GRAB
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					10-JAN-01 00:00		00-192-13
Surrogate Recovery:							
Tetrachloro-m-xylene	221	D	%				99-127-264
Decachlorobiphenyl	992	D	%				99-127-264
Analysis Comment:D-Diluted out							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Phenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2-Chlorophenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
1,3-Dichlorobenzene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
1,4-Dichlorobenzene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
1,2-Dichlorobenzene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Bis(2-chloroisopropylether)	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2-Methylphenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Hexachloroethane	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
N-Nitrosodi-N-propylamine	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
4-Methylphenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Nitrobenzene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Isophorone	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2-Nitrophenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2,4-Dimethylphenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Bis(2-chloroethoxymethane)	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2,4-Dichlorophenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
1,2,4-Trichlorobenzene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Naphthalene	930	J	ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
4-Chloroaniline	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Hexachlorobutadiene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
4-Chloro-3-methylphenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2-Methylnaphthalene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Hexachlorocyclopentadiene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2,4,6-Trichlorophenol	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2,4,5-Trichlorophenol	U		ug/kg	10000	23-JAN-01 17:33	ASP 95-2	00-165-149
2-Chloronaphthalene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2-Nitroaniline	U		ug/kg	10000	23-JAN-01 17:33	ASP 95-2	00-165-149
Dimethyl phthalate	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
Acenaphthylene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2,6-Dinitrotoluene	U		ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
3-Nitroaniline	U		ug/kg	10000	23-JAN-01 17:33	ASP 95-2	00-165-149
Acenaphthene	1200	J	ug/kg	4100	23-JAN-01 17:33	ASP 95-2	00-165-149
2,4-Dinitrophenol	U		ug/kg	10000	23-JAN-01 17:33	ASP 95-2	00-165-149

Results calculated on a dry weight basis.

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 01 SED 0
Description: GRAB
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	1200	ug/kg	J	26.7			
Unknown	1600	ug/kg	J	26.78			
Unknown	1800	ug/kg	J	27			
Unknown	880	ug/kg	J	27.24			
Unknown	1000	ug/kg	J	27.75			
Unknown	830	ug/kg	J	30.11			
Unknown	1300	ug/kg	J	30.33			
Unknown	850	ug/kg	J	30.89			
Unknown	1100	ug/kg	J	30.99			
Unknown	850	ug/kg	J	32.75			
Unknown	3200	ug/kg	J	37.71			
11 library search compounds detected.							
Surrogate Recovery:							
2-Fluorophenol	52		%				00-165-1
Phenol-d5	56		%				00-165-1
2-Chlorophenol-d4	63		%				00-165-149
1,2-Dichlorobenzene-d4	51		%				00-165-149
Nitrobenzene-d5	44		%				00-165-149
2-Fluorobiphenyl	54		%				00-165-1
2,4,6-Tribromophenol	49		%				00-165-1
Terphenyl-d14	50		%				00-165-149

Results calculated on a dry weight basis.

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00039

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MS,
Description: FWS SP 01 SED 0 L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	5.26	mg/kg	0.593	17-JAN-01 00:00	EPA 335.2 CLPM	00-013-88
Aluminum	4290	mg/kg	5.73	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Antimony	U	mg/kg	59.7	12-JAN-01 10:24	EPA 200.7 CLPM	01-017-02
Arsenic	17	mg/kg	1.10	15-JAN-01 00:00	EPA 206.2 CLPM	00-026-24
Barium	2250	mg/kg	0.478	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Beryllium	5.82	mg/kg	0.119	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Cadmium	12.5	mg/kg	9.54	12-JAN-01 10:24	EPA 200.7 CLPM	01-017-02
Calcium	43600	mg/kg	2.26	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Chromium	90	mg/kg	0.954	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Cobalt	77	mg/kg	1.19	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Copper	288	mg/kg	0.357	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Iron	157000	mg/kg	23.8	12-JAN-01 10:24	EPA 200.7 CLPM	01-017-02
Lead	415	mg/kg	4.78	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Magnesium	5000	mg/kg	0.716	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Manganese	1580	mg/kg	4.78	12-JAN-01 10:24	EPA 200.7 CLPM	01-017-02
Mercury	0.44 E	mg/kg	0.2300	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Analysis Comment:E-result estimated due to high matrix spike recovery.						
Nickel	110	mg/kg	1.19	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Potassium	1590	mg/kg	13.2	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Selenium	1.2	mg/kg	0.220	15-JAN-01 00:00	EPA 270.2 CLPM	98-021-47
Silver	U	mg/kg	14.3	12-JAN-01 10:24	EPA 200.7 CLPM	01-017-02
Sodium	1580	mg/kg	16.7	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Results calculated on a dry weight basis.						

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MS,
Description: FWS SP 01 SED 0 L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	7.6	mg/kg	0.220	12-JAN-01 00:00	EPA 279.2 CLPM	00-028-58
Vanadium	104	mg/kg	0.835	12-JAN-01 10:21	EPA 200.7 CLPM	01-017-02
Zinc	3440	mg/kg	7.16	12-JAN-01 10:24	EPA 200.7 CLPM	01-017-02
ASP 95-1						
Chloromethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Bromomethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Vinyl chloride	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Chloroethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Methylene chloride	11 J	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Acetone	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Carbon disulfide	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
1,1-Dichloroethene	60	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
trans-1,2-Dichloroethene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
1,1-Dichloroethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
cis-1,2-Dichloroethene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
MEK(2-Butanone)	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Chloroform	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
1,1,1-Trichloroethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Carbon tetrachloride	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Benzene	59	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
1,2-Dichloroethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Trichloroethene	50	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
1,2-Dichloropropane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Bromodichloromethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
cis-1,3-Dichloropropene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Toluene	60	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
trans-1,3-Dichloropropene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
1,1,2-Trichloroethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Tetrachloroethene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
2-Hexanone	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Dibromochloromethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Chlorobenzene	57	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Ethylbenzene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
p-Xylene/m-Xylene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
o-Xylene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360
Styrene	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
Bromoform	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-36
1,1,2,2-Tetrachloroethane	U	ug/kg	12	10-JAN-01 15:58	ASP 95-1	00-163-360

Results calculated on a dry weight basis.

QC lak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C.

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MS,
Description: FWS SP 01 SED O L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	138	%				99-127-264
Decachlorobiphenyl	106	%				99-127-264
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Phenol	1400	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Chlorophenol	1400	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
1,3-Dichlorobenzene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
1,4-Dichlorobenzene	920	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
1,2-Dichlorobenzene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Bis(2-chloroisopropylether)	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Methylphenol	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Hexachloroethane	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
N-Nitrosodi-N-propylamine	1200	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
4-Methylphenol	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Nitrobenzene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Isophorone	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Nitrophenol	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,4-Dimethylphenol	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Bis(2-chloroethoxymethane)	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,4-Dichlorophenol	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
1,2,4-Trichlorobenzene	1100	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Naphthalene	500	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
4-Chloroaniline	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Hexachlorobutadiene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
4-Chloro-3-methylphenol	1400	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Methylnaphthalene	260 J	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Hexachlorocyclopentadiene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,4,6-Trichlorophenol	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,4,5-Trichlorophenol	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Chloronaphthalene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Nitroaniline	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
Dimethyl phthalate	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Acenaphthylene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,6-Dinitrotoluene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
3-Nitroaniline	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
Acenaphthene	2500	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,4-Dinitrophenol	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
Dibenzofuran	930	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
2,4-Dinitrotoluene	1000	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
4-Nitrophenol	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
Diethyl phthalate	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Fluorene	1600	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149

Results calculated on a dry weight basis.

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A. Kent
Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MS,
Description: FWS SP 01 SED 0 L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Chlorophenylphenylether	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
4-Nitroaniline	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
2-Methyl-4,6-dinitrophenol	U	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-1
N-Nitrosodiphenylamine	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
4-Bromophenylphenylether	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Hexachlorobenzene	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Pentachlorophenol	1200	ug/kg	1000	23-JAN-01 19:25	ASP 95-2	00-165-149
Phenanthrene	16000 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Anthracene	3900	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Carbazole	2500	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Di-n-butyl phthalate	180 J	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Fluoranthene	20000 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Pyrene	27000 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Butylbenzyl phthalate	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Benzo(a)anthracene	9100 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
3,3-Dichlorobenzidine	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Chrysene	8800 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Bis-2-ethylhexyl phthalate	1500	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Di-n-octyl phthalate	U	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Benzo(b)fluoranthene	10000 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Benzo(k)fluoranthene	3700 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Benzo(a)pyrene	7100 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Indeno(1,2,3-cd)pyrene	4700	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Dibenzo(a,h)anthracene	800	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-1
Benzo(g,h,i)perylene	4000 E	ug/kg	410	23-JAN-01 19:25	ASP 95-2	00-165-149
Extraction Information:				09-JAN-01 00:00		00-197-1
Surrogate Recovery:						
2-Fluorophenol	40	%				00-165-149
Phenol-d5	46	%				00-165-149
2-Chlorophenol-d4	53	%				00-165-1
1,2-Dichlorobenzene-d4	40	%				00-165-1
Nitrobenzene-d5	50	%				00-165-1
2-Fluorobiphenyl	52	%				00-165-149
2,4,6-Tribromophenol	58	%				00-165-149
Terphenyl-d14	74	%				00-165-1

Analysis Comment:Internal standards 5 and 6 recoveries below limits. Confirmed by file B1491. E-Estimated above calibration curve.

Results calculated on a dry weight basis.

QC [signature] NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MSD/DUP,
Description: FWS SP 01 SED O L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	1.15	mg/kg	0.594	17-JAN-01 00:00	EPA 335.2 CLPM	00-013-88
Total Solids	74.1	%		08-JAN-01 00:00	CLP 3.0	01-001-4
Analysis Comment:L62268-1						
Aluminum	2950	mg/kg	5.94	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Antimony	U	mg/kg	61.9	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
Arsenic	13	mg/kg	1.20	15-JAN-01 00:00	EPA 206.2 CLPM	00-026-24
Barium	2140	mg/kg	0.495	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Beryllium	0.287 B	mg/kg	0.124	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Cadmium	27.1	mg/kg	9.90	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
Calcium	94500	mg/kg	47.0	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
Chromium	78.9	mg/kg	0.990	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Cobalt	22.8	mg/kg	1.24	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Copper	351	mg/kg	0.371	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Iron	190000	mg/kg	24.8	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
Lead	698	mg/kg	4.95	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Magnesium	41000	mg/kg	7.43	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Manganese	1640	mg/kg	4.95	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
Mercury	U E	mg/kg	0.0110	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Analysis Comment:E-result estimated due to high matrix spike recovery.						
Nickel	44.3	mg/kg	1.24	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Potassium	905	mg/kg	13.7	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02

Results calculated on a dry weight basis.

QC lal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I N C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MSD/DUP,
Description: FWS SP 01 SED 0 L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Selenium	U	mg/kg	0.240	15-JAN-01 00:00	EPA 270.2 CLPM	98-021-47
Silver	U	mg/kg	14.9	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
Sodium	1110	mg/kg	17.3	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Thallium	1.1 B	mg/kg	0.240	12-JAN-01 00:00	EPA 279.2 CLPM	00-028-58
Vanadium	45.7	mg/kg	0.867	12-JAN-01 10:27	EPA 200.7 CLPM	01-017-02
Zinc	3660	mg/kg	7.43	12-JAN-01 10:30	EPA 200.7 CLPM	01-017-02
ASP 95-1						
Chloromethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Bromomethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Vinyl chloride	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Chloroethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Methylene chloride	12	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Acetone	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Carbon disulfide	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
1,1-Dichloroethene	57	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
trans-1,2-Dichloroethene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
1,1-Dichloroethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
cis-1,2-Dichloroethene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
MEK(2-Butanone)	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Chloroform	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
1,1,1-Trichloroethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Carbon tetrachloride	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Benzene	58	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
1,2-Dichloroethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Trichloroethene	48	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
1,2-Dichloropropane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Bromodichloromethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
cis-1,3-Dichloropropene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Toluene	59	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
trans-1,3-Dichloropropene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
1,1,2-Trichloroethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Tetrachloroethene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
2-Hexanone	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Dibromochloromethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Chlorobenzene	56	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
Ethylbenzene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-36
p-Xylene/m-Xylene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361

Results calculated on a dry weight basis.

QC lal NY 10252 NJ 73168 PA 68180 EPA NY 00035

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MSD/DUP,
Description: FWS SP 01 SED O L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
o-Xylene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Styrene	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Bromoform	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
1,1,2,2-Tetrachloroethane	U	ug/kg	12	10-JAN-01 16:31	ASP 95-1	00-163-361
Surrogate Recovery:						
1,2-Dichloroethane-d4	95	%				00-163-361
Toluene-d8	106	%				00-163-361
4-Bromofluorobenzene	96	%				00-163-361
ASP 95-3						
alpha-BHC	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
beta-BHC	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Lindane (gamma-BHC)	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
delta-BHC	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Aldrin	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor epoxide	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
alpha-Chlordane	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan I	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
gamma-Chlordane	U	ug/kg	42	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDE	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Dieldrin	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan II	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDD	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin aldehyde	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan sulfate	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDT	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin Ketone	U	ug/kg	81	07-FEB-01 00:00	ASP 95-3	99-127-264
Methoxychlor	U	ug/kg	420	07-FEB-01 00:00	ASP 95-3	99-127-264
Toxaphene	U	ug/kg	4200	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1016	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1221	U	ug/kg	1600	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1232	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1242	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1248	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	12000	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1260	U	ug/kg	810	07-FEB-01 00:00	ASP 95-3	99-127-264

Results calculated on a dry weight basis.

QC eal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MSD/DUP,
Description: FWS SP 01 SED 0 L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					10-JAN-01 00:00		00-192-13
Surrogate Recovery:							
Tetrachloro-m-xylene	132		%				99-127-2(
Decachlorobiphenyl	783	D	%				99-127-284
Analysis Comment:D-Diluted out							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Phenol	1800		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-146
2-Chlorophenol	1900		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
1,3-Dichlorobenzene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
1,4-Dichlorobenzene	1300		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
1,2-Dichlorobenzene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Bis(2-chloroisopropylether)	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
2-Methylphenol	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
Hexachloroethane	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
N-Nitrosodi-N-propylamine	1400		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
4-Methylphenol	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Nitrobenzene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
Isophorone	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
2-Nitrophenol	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
2,4-Dimethylphenol	47 J		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Bis(2-chloroethoxymethane)	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
2,4-Dichlorophenol	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
1,2,4-Trichlorobenzene	1400		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
Naphthalene	1500		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
4-Chloroaniline	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Hexachlorobutadiene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
4-Chloro-3-methylphenol	1700		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
2-Methylnaphthalene	620		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
Hexachlorocyclopentadiene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
2,4,6-Trichlorophenol	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
2,4,5-Trichlorophenol	U		ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-146
2-Chloronaphthalene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
2-Nitroaniline	U		ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-1
Dimethyl phthalate	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Acenaphthylene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
2,6-Dinitrotoluene	U		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
3-Nitroaniline	U		ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-1
Acenaphthene	5400 E		ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-1
2,4-Dinitrophenol	U		ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-149

Results calculated on a dry weight basis.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00039

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C.

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MSD/DUP,
Description: FWS SP 01 SED O L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzofuran	3000	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
2,4-Dinitrotoluene	1300	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
4-Nitrophenol	1300	ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-149
Diethyl phthalate	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Fluorene	4800 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
4-Chlorophenylphenylether	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
4-Nitroaniline	U	ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-149
2-Methyl-4,6-dinitrophenol	U	ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-149
N-Nitrosodiphenylamine	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
4-Bromophenylphenylether	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Hexachlorobenzene	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Pentachlorophenol	1300	ug/kg	1100	23-JAN-01 20:20	ASP 95-2	00-165-149
Phenanthrene	39000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Anthracene	11000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Carbazole	5800 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Di-n-butyl phthalate	550	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Fluoranthene	38000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Pyrene	58000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Butylbenzyl phthalate	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Benzo(a)anthracene	21000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
3,3-Dichlorobenzidine	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Chrysene	19000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Bis-2-ethylhexyl phthalate	1000	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Di-n-octyl phthalate	U	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Benzo(b)fluoranthene	21000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Benzo(k)fluoranthene	8600 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Benzo(a)pyrene	4500 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Indeno(1,2,3-cd)pyrene	11000 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Dibenzo(a,h)anthracene	2100	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Benzo(g,h,i)perylene	8800 E	ug/kg	450	23-JAN-01 20:20	ASP 95-2	00-165-149
Extraction Information:				09-JAN-01 00:00		00-197-12
Surrogate Recovery:						
2-Fluorophenol	55	%				00-165-149
Phenol-d5	54	%				00-165-149
2-Chlorophenol-d4	64	%				00-165-149
1,2-Dichlorobenzene-d4	48	%				00-165-149
Nitrobenzene-d5	62	%				00-165-149
2-Fluorobiphenyl	60	%				00-165-149
2,4,6-Tribromophenol	63	%				00-165-149
Terphenyl-d14	82	%				00-165-149

Analysis Comment:Internal standards 5 and 6 recoveries below limits. Confirmed by file B1491. E-Estimated above

Results calculated on a dry weight basis.

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: L62268-1MSD/DUP,
Description: FWS SP 01 SED 0 L62268-1
Sampled On: 03-JAN-01 14:40 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
calibration curve.						

Results calculated on a dry weight basis.

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 02 SED 0
Description: GRAB
Sampled On: 03-JAN-01 15:35 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	0.95	mg/kg	0.677	17-JAN-01 00:00	EPA 335.2 CLPM	00-013-88
Total Solids	66	%		08-JAN-01 00:00	CLP 3.0	01-001-4
Aluminum	5680	mg/kg	6.86	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Antimony	5.04 B	mg/kg	3.57	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Arsenic	13	mg/kg	1.30	15-JAN-01 00:00	EPA 206.2 CLPM	00-026-24
Barium	498	mg/kg	0.572	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Beryllium	0.304 B	mg/kg	0.143	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Cadmium	11.5 B	mg/kg	11.4	12-JAN-01 10:39	EPA 200.7 CLPM	01-017-02
Calcium	5390	mg/kg	2.72	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Chromium	154	mg/kg	1.14	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Cobalt	11.3	mg/kg	1.43	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Copper	499	mg/kg	0.429	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Iron	107000	mg/kg	28.6	12-JAN-01 10:39	EPA 200.7 CLPM	01-017-02
Lead	547	mg/kg	5.72	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Magnesium	1870	mg/kg	8.58	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Manganese	559	mg/kg	0.286	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Mercury	5.6	mg/kg	0.3000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	130	mg/kg	1.43	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Potassium	810	mg/kg	15.9	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Selenium	U	mg/kg	0.260	15-JAN-01 00:00	EPA 270.2 CLPM	98-021-47
Silver	U	mg/kg	17.2	12-JAN-01 10:39	EPA 200.7 CLPM	01-017-02
Sodium	110 B	mg/kg	20.0	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02

Results calculated on a dry weight basis.

QC cert NY 10252 NJ 73168 PA 68180 EPA NY 00083 Approved by: _____ Lab Director

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FRIEND LABORATORY I N C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 02 SED 0
Description: GRAB
Sampled On: 03-JAN-01 15:35 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	1.1 B	mg/kg	0.260	12-JAN-01 00:00	EPA 279.2 CLPM	00-028-5
Vanadium	24.7	mg/kg	1.00	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-02
Zinc	993	mg/kg	0.429	12-JAN-01 10:36	EPA 200.7 CLPM	01-017-0
ASP 95-1						
Chloromethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Bromomethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Vinyl chloride	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Chloroethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Methylene chloride	16	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Acetone	10 J	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Carbon disulfide	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,1-Dichloroethene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
trans-1,2-Dichloroethene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,1-Dichloroethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
cis-1,2-Dichloroethene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
MEK(2-Butanone)	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Chloroform	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,1,1-Trichloroethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Carbon tetrachloride	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Benzene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,2-Dichloroethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Trichloroethene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,2-Dichloropropane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Bromodichloromethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
cis-1,3-Dichloropropene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
MIBK(4-Methyl-2-pentanone)	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Toluene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
trans-1,3-Dichloropropene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,1,2-Trichloroethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Tetrachloroethene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
2-Hexanone	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Dibromochloromethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Chlorobenzene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Ethylbenzene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
p-Xylene/m-Xylene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
o-Xylene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Styrene	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
Bromoform	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3
1,1,2,2-Tetrachloroethane	U	ug/kg	15	10-JAN-01 15:25	ASP 95-1	00-163-3

Results calculated on a dry weight basis.

Approved by: _____
Lab Director

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Date:13-FEB-2001

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Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 02 SED 0
Description: GRAB
Sampled On: 03-JAN-01 15:35 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	81	ug/kg	J	17.45		
Unknown	47	ug/kg	J	17.69		
Unknown	140	ug/kg	J	18.54		
Unknown	58	ug/kg	J	18.83		
Unknown	120	ug/kg	J	18.99		
Unknown	91	ug/kg	J	19.26		
Unknown	160	ug/kg	J	19.39		
Unknown	98	ug/kg	J	19.69		
Unknown	140	ug/kg	J	19.96		
Unknown	130	ug/kg	J	20.17		
Unknown	98	ug/kg	J	20.32		
Unknown	100	ug/kg	J	20.48		
Unknown	55	ug/kg	J	20.69		
Unknown	64	ug/kg	J	20.83		
Unknown	91	ug/kg	J	20.92		
Fifteen library search compounds detected.						
Surrogate Recovery:						
1,2-Dichloroethane-d4	94	%				00-163-360
Toluene-d8	110	%				00-163-360
4-Bromofluorobenzene	96	%				00-163-360
ASP 95-3						
alpha-BHC	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
beta-BHC	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
Lindane (gamma-BHC)	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
delta-BHC	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
Aldrin	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor epoxide	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
alpha-Chlordane	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan I	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
gamma-Chlordane	U	ug/kg	51	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDE	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
Dieldrin	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan II	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDD	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin aldehyde	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan sulfate	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDT	U	ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-264
Results calculated on a dry weight basis.						

QC [signature] NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 02 SED 0
Description: GRAB
Sampled On: 03-JAN-01 15:35 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Endrin Ketone	U		ug/kg	98	07-FEB-01 00:00	ASP 95-3	99-127-26
Methoxychlor	U		ug/kg	510	07-FEB-01 00:00	ASP 95-3	99-127-264
Toxaphene	U		ug/kg	5100	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1016	U		ug/kg	980	07-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1221	U		ug/kg	2000	07-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1232	U		ug/kg	980	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1242	U		ug/kg	980	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1248	U		ug/kg	980	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	10000		ug/kg	980	07-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1260	U		ug/kg	980	07-FEB-01 00:00	ASP 95-3	99-127-2
Extraction Information:					10-JAN-01 00:00		00-192-13
Surrogate Recovery:							
Tetrachloro-m-xylene	156	D	%				99-127-2
Decachlorobiphenyl	83		%				99-127-264
Analysis Comment:D-Diluted out							
ASP 95-2							
Bis(2-chloroethylether)	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
Phenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
2-Chlorophenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
1,3-Dichlorobenzene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
1,4-Dichlorobenzene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
1,2-Dichlorobenzene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
Bis(2-chloroisopropylether)	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
2-Methylphenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
Hexachloroethane	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
N-Nitrosodi-N-propylamine	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
4-Methylphenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
Nitrobenzene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
Isophorone	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
2-Nitrophenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
2,4-Dimethylphenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
Bis(2-chloroethoxymethane)	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
2,4-Dichlorophenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
1,2,4-Trichlorobenzene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
Naphthalene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
4-Chloroaniline	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
Hexachlorobutadiene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12
4-Chloro-3-methylphenol	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
2-Methylnaphthalene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-1
Hexachlorocyclopentadiene	U		ug/kg	2500	25-JAN-01 17:26	ASP 95-2	01-005-12

Results calculated on a dry weight basis.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-4

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 02 SED 0
Description: GRAB
Sampled On: 03-JAN-01 15:35 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				09-JAN-01 00:00		00-197-12

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	870	ug/kg	J	19.1
Unknown	770	ug/kg	J	21.72
Unknown	920	ug/kg	J	21.95
Unknown	560	ug/kg	J	22.03
Unknown	3200	ug/kg	J	22.77
Unknown	590	ug/kg	J	23.51
Unknown	1000	ug/kg	J	23.88
Unknown	1500	ug/kg	J	24.11

Surrogate Reccvery:			
2-Fluorophenol	54	%	01-005-120
Phenol-d5	63	%	01-005-120
2-Chlorophenol-d4	70	%	01-005-120
1,2-Dichlorobenzene-d4	50	%	01-005-120
Nitrobenzene-d5	58	%	01-005-120
2-Fluorobiphenyl	61	%	01-005-120
2,4,6-Tribromophenol	45	%	01-005-120
Terphenyl-d14	71	%	01-005-120

Analysis Comment:Internal standards 5 and 6 recoveries below limits. Confirmed by file A1190.

Results calculated on a dry weight basis.

QC dal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 03 SED 0
Description: GRAB
Sampled On: 03-JAN-01 16:15 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	0.659 E	mg/kg	0.534	17-JAN-01 00:00	EPA 335.2 CLPM	00-013-88
Analysis Comment:E-Result estimated due to low LCSS recovery.						
Total Solids	90.3	%		08-JAN-01 00:00	CLP 3.0	01-001-4
Aluminum	4340	mg/kg	5.16	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Antimony	U	mg/kg	13.4	12-JAN-01 10:42	EPA 200.7 CLPM	01-017-02
Arsenic	12	mg/kg	1.00	15-JAN-01 00:00	EPA 206.2 CLPM	00-026-24
Barium	697	mg/kg	0.430	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Beryllium	0.156 B	mg/kg	0.108	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Cadmium	10.9	mg/kg	2.15	12-JAN-01 10:42	EPA 200.7 CLPM	01-017-02
Calcium	10600	mg/kg	2.04	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Chromium	360	mg/kg	0.860	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Cobalt	12.8	mg/kg	1.08	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Copper	363	mg/kg	0.323	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Iron	104000	mg/kg	5.38	12-JAN-01 10:42	EPA 200.7 CLPM	01-017-02
Lead	311	mg/kg	4.30	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Magnesium	1500	mg/kg	6.45	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Manganese	491	mg/kg	0.215	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Mercury	0.3	mg/kg	0.0500	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	328	mg/kg	1.08	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Potassium	8150	mg/kg	11.9	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Selenium	U	mg/kg	0.200	15-JAN-01 00:00	EPA 270.2 CLPM	98-021-47
Silver	U	mg/kg	3.23	12-JAN-01 10:42	EPA 200.7 CLPM	01-017-02

Results calculated on a dry weight basis.

QC eal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 03 SED 0
Description: GRAB
Sampled On: 03-JAN-01 16:15 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Sodium	2300	mg/kg	15.1	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Thallium	0.73	mg/kg	0.200	15-JAN-01 00:00	EPA 279.2 CLPM	00-028-59
Vanadium	21.9	mg/kg	0.753	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
Zinc	1290	mg/kg	0.323	12-JAN-01 10:50	EPA 200.7 CLPM	01-017-02
ASP 95-1						
Chloromethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Bromomethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Vinyl chloride	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Chloroethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Methylene chloride	40	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Acetone	17	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Carbon disulfide	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
1,1-Dichloroethene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
trans-1,2-Dichloroethene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
1,1-Dichloroethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
cis-1,2-Dichloroethene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
MEK(2-Butanone)	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Chloroform	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
1,1,1-Trichloroethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Carbon tetrachloride	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Benzene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
1,2-Dichloroethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Trichloroethene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
1,2-Dichloropropane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Bromodichloromethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
cis-1,3-Dichloropropene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Toluene	3 J	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
trans-1,3-Dichloropropene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
1,1,2-Trichloroethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Tetrachloroethene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Hexanone	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Dibromochloromethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Chlorobenzene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Ethylbenzene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
p-Xylene/m-Xylene	4 J	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
o-Xylene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Styrene	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361
Bromoform	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-361

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 03 SED 0
Description: GRAB
Sampled On: 03-JAN-01 16:15 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2,2-Tetrachloroethane	U	ug/kg	11	10-JAN-01 17:04	ASP 95-1	00-163-36

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	40	ug/kg	J	1.95
Unknown	9	ug/kg	J	2.68
Unknown	8	ug/kg	J	4.48
Unknown	8	ug/kg	J	5.06
Unknown	18	ug/kg	J	5.45
Unknown	12	ug/kg	J	20.83

Six library search compounds detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	93	%				00-163-36
Toluene-d8	123	%				00-163-361
4-Bromofluorobenzene	80	%				00-163-361

Analysis Comment:Internal standards 3 and 4 recoveries below limits. Confirmed by file C3606.

ASP 95-3

alpha-BHC	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-26
beta-BHC	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-26
Lindane (gamma-BHC)	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-26
delta-BHC	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-264
Aldrin	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-26
Heptachlor epoxide	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-26
alpha-Chlordane	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan I	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-264
gamma-Chlordane	U	ug/kg	38	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDE	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-26
Dieldrin	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-26
Endrin	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan II	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDD	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin aldehyde	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-26
Endosulfan sulfate	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDT	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin Ketone	U	ug/kg	73	07-FEB-01 00:00	ASP 95-3	99-127-264
Methoxychlor	U	ug/kg	380	07-FEB-01 00:00	ASP 95-3	99-127-264
Toxaphene	U	ug/kg	3800	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1016	U	ug/kg	730	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1221	U	ug/kg	1500	07-FEB-01 00:00	ASP 95-3	99-127-264

Results calculated on a dry weight basis.

QC ear NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 03 SED 0
Description: GRAB
Sampled On: 03-JAN-01 16:15 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PCB 1232	U	ug/kg	730	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1242	U	ug/kg	730	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1248	U	ug/kg	730	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	3200	ug/kg	730	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1260	U	ug/kg	730	07-FEB-01 00:00	ASP 95-3	99-127-264
Extraction Information:				10-JAN-01 00:00		00-192-13
Surrogate Recovery:						
Tetrachloro-m-xylene	51	%				99-127-264
Decachlorobiphenyl	46	%				99-127-264
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Phenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2-Chlorophenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
1,3-Dichlorobenzene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
1,4-Dichlorobenzene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
1,2-Dichlorobenzene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Bis(2-chloroisopropylether)	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2-Methylphenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Hexachloroethane	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
N-Nitrosodi-N-propylamine	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
4-Methylphenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Nitrobenzene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Isophorone	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2-Nitrophenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2,4-Dimethylphenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Bis(2-chloroethoxymethane)	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2,4-Dichlorophenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
1,2,4-Trichlorobenzene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Naphthalene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
4-Chloroaniline	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Hexachlorobutadiene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
4-Chloro-3-methylphenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2-Methylnaphthalene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Hexachlorocyclopentadiene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2,4,6-Trichlorophenol	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2,4,5-Trichlorophenol	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-120
2-Chloronaphthalene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2-Nitroaniline	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-120
Dimethyl phthalate	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Acenaphthylene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2,6-Dinitrotoluene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
3-Nitroaniline	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-120

Results calculated on a dry weight basis.

QC lab NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY INC.
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 03 SED 0
Description: GRAB
Sampled On: 03-JAN-01 16:15 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Acenaphthene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
2,4-Dinitrophenol	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-120
Dibenzofuran	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
2,4-Dinitrotoluene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
4-Nitrophenol	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-1
Diethyl phthalate	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Fluorene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
4-Chlorophenylphenylether	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
4-Nitroaniline	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-1
2-Methyl-4,6-dinitrophenol	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-1
N-Nitrosodiphenylamine	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
4-Bromophenylphenylether	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Hexachlorobenzene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Pentachlorophenol	U	ug/kg	9200	26-JAN-01 12:30	ASP 95-2	01-005-1
Phenanthrene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Anthracene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Carbazole	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Di-n-butyl phthalate	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Fluoranthene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Pyrene	1500 J	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Butylbenzyl phthalate	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Benzo(a)anthracene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
3,3-Dichlorobenzidine	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Chrysene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Bis-2-ethylhexyl phthalate	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Di-n-octyl phthalate	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Benzo(b)fluoranthene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Benzo(k)fluoranthene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Benzo(a)pyrene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Indeno(1,2,3-cd)pyrene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-1
Dibenzo(a,h)anthracene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Benzo(g,h,i)perylene	U	ug/kg	3700	26-JAN-01 12:30	ASP 95-2	01-005-120
Extraction Information:				09-JAN-01 00:00		00-197-1

Library Search Compounds:	Results	Units	Qual	Retention Time

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:13-FEB-2001

Lab Sample ID: L62268-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SP 03 SED 0
Description: GRAB
Sampled On: 03-JAN-01 16:15 by CLIENT
Date Received: 05-JAN-01 10:10
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:							
2-Fluorophenol	26		%				01-005-120
Phenol-d5	30		%				01-005-120
2-Chlorophenol-d4	33		%				01-005-120
1,2-Dichlorobenzene-d4	22		%				01-005-120
Nitrobenzene-d5	26	D	%				01-005-120
2-Fluorobiphenyl	32	D	%				01-005-120
2,4,6-Tribromophenol	22		%				01-005-120
Terphenyl-d14	37		%				01-005-120

Analysis Comment: Internal standards 5 and 6 recoveries below limits. Detection limits elevated due to a high concentration of heavy product.

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A. Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP05-SED-0
Description: GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	0.988	mg/kg	0.658	29-JAN-01 00:00	EPA 335.2 CLPM	00-013-9(
Total Solids	72.9	%		18-JAN-01 00:00	CLP 3.0	01-001-17
Aluminum	5060	mg/kg	6.27	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Antimony	U	mg/kg	65.3	24-JAN-01 09:08	EPA 200.7 CLPM	01-017-05
Arsenic	19	mg/kg	1.30	25-JAN-01 00:00	EPA 206.2 CLPM	00-026-32
Barium	3960	mg/kg	0.523	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Beryllium	0.305 B	mg/kg	0.131	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Cadmium	U	mg/kg	10.5	24-JAN-01 09:08	EPA 200.7 CLPM	01-017-05
Calcium	4940	mg/kg	2.48	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Chromium	78.5	mg/kg	1.05	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Cobalt	18.1	mg/kg	1.31	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Copper	233	mg/kg	0.392	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Iron	279000	mg/kg	26.1	24-JAN-01 09:08	EPA 200.7 CLPM	01-017-05
Lead	638	mg/kg	5.23	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Magnesium	1730	mg/kg	7.84	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Manganese	1210	mg/kg	0.261	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Mercury	1.2	mg/kg	0.2500	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-34
Nickel	52.7	mg/kg	1.31	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Potassium	528 B	mg/kg	14.5	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05
Selenium	U	mg/kg	0.260	26-JAN-01 00:00	EPA 270.2 CLPM	98-201-5
Silver	U	mg/kg	15.7	24-JAN-01 09:08	EPA 200.7 CLPM	01-017-05
Sodium	102 B	mg/kg	18.3	24-JAN-01 08:57	EPA 200.7 CLPM	01-017-05

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP05-SED-0
Description: GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	0.62	mg/kg	0.260	26-JAN-01 00:00	EPA 279.2 CLPM	00-028-68
Vanadium	72.1 B	mg/kg	18.3	24-JAN-01 09:08	EPA 200.7 CLPM	01-017-05
Zinc	3180	mg/kg	7.84	24-JAN-01 09:08	EPA 200.7 CLPM	01-017-05
ASP 95-1						
Chloromethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Bromomethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Vinyl chloride	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Chloroethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Methylene chloride	3 J	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Acetone	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Carbon disulfide	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,1-Dichloroethene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
trans-1,2-Dichloroethene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,1-Dichloroethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
cis-1,2-Dichloroethene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
MEK(2-Butanone)	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Chloroform	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,1,1-Trichloroethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Carbon tetrachloride	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Benzene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,2-Dichloroethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Trichloroethene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,2-Dichloropropane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Bromodichloromethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
cis-1,3-Dichloropropene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
MIBK(4-Methyl-2-pentanone)	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Toluene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
trans-1,3-Dichloropropene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,1,2-Trichloroethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Tetrachloroethene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
2-Hexanone	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Dibromochloromethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Chlorobenzene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Ethylbenzene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
p-Xylene/m-Xylene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
o-Xylene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Styrene	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
Bromoform	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374
1,1,2,2-Tetrachloroethane	U	ug/kg	13	19-JAN-01 14:43	ASP 95-1	00-163-374

Results calculated on a dry weight basis.

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP05-SED-0
Description: GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	**Results**	**Units**	**Qual**	**Retention Time**		
Unknown	12	ug/kg	J	1.94		
Unknown	12	ug/kg	J	5.42		
Two library search compounds detected.						
Surrogate Recovery:						
1,2-Dichloroethane-d4	95	%				00-163-374
Toluene-d8	113	%				00-163-374
4-Bromofluorobenzene	85	%				00-163-3
Analysis Comment:Internal standard 3 recovery below limits. Confirmed by MS/MSD analysis.						
ASP 95-3						
alpha-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-2
beta-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Lindane (gamma-BHC)	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
delta-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-2
Heptachlor	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-2
Aldrin	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-2
Heptachlor epoxide	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
alpha-Chlordane	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan I	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-2
gamma-Chlordane	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-2
4,4'-DDE	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-2
Dieldrin	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan II	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-2
4,4'-DDD	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-2
Endrin aldehyde	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-2
Endosulfan sulfate	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDT	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin Ketone	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-2
Methoxychlor	U	ug/kg	470	07-FEB-01 00:00	ASP 95-3	99-127-2
Toxaphene	U	ug/kg	4700	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1016	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1221	U	ug/kg	1800	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1232	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1242	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-2
PCB 1248	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	19000	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1260	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264

Results calculated on a dry weight basis.

QC ok NY 10252 NJ 73168 PA 68180 EPA NY 00038 *Approved by:* *John McCart*
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP05-SED-0
Description: GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				23-JAN-01 00:00		00-192-26
Surrogate Recovery:						
Tetrachloro-m-xylene	92	%				99-127-264
Decachlorobiphenyl	127	%				99-127-264
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Phenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Chlorophenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
1,3-Dichlorobenzene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
1,4-Dichlorobenzene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
1,2-Dichlorobenzene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Bis(2-chloroisopropylether)	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Methylphenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Hexachloroethane	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
N-Nitrosodi-N-propylamine	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
4-Methylphenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Nitrobenzene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Isophorone	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Nitrophenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,4-Dimethylphenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Bis(2-chloroethoxymethane)	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,4-Dichlorophenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
1,2,4-Trichlorobenzene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Naphthalene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
4-Chloroaniline	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Hexachlorobutadiene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
4-Chloro-3-methylphenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Methylnaphthalene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Hexachlorocyclopentadiene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,4,6-Trichlorophenol	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,4,5-Trichlorophenol	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Chloronaphthalene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Nitroaniline	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
Dimethyl phthalate	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Acenaphthylene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,6-Dinitrotoluene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
3-Nitroaniline	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
Acenaphthene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,4-Dinitrophenol	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
Dibenzofuran	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
2,4-Dinitrotoluene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
4-Nitrophenol	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138

Results calculated on a dry weight basis.

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Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Fluorene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
4-Chlorophenylphenylether	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
4-Nitroaniline	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
2-Methyl-4,6-dinitrophenol	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
N-Nitrosodiphenylamine	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
4-Bromophenylphenylether	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Hexachlorobenzene	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Pentachlorophenol	U	ug/kg	5700	19-FEB-01 10:31	ASP 95-2	01-005-138
Phenanthrene	2900	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Anthracene	680 J	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Carbazole	340 J	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Di-n-butyl phthalate	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Fluoranthene	5500	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Pyrene	9700	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Butylbenzyl phthalate	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Benzo(a)anthracene	4700	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
3,3-Dichlorobenzidine	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Chrysene	4500	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Bis-2-ethylhexyl phthalate	560 J	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Di-n-octyl phthalate	U	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Benzo(b)fluoranthene	5600	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Benzo(k)fluoranthene	2900	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Benzo(a)pyrene	4400	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Indeno(1,2,3-cd)pyrene	6200	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-138
Dibenzo(a,h)anthracene	1200 J	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Benzo(g,h,i)perylene	5900	ug/kg	2300	19-FEB-01 10:31	ASP 95-2	01-005-13
Extraction Information:				23-JAN-01 00:00		00-197-30

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	460	ug/kg	J	27.8
Unknown	7000	ug/kg	J	28.29

Results calculated on a dry weight basis.

QC car NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-9

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP05-SED-0
Description: GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown (PCB)	740	ug/kg	J	29.88			
Unknown (PCB)	3400	ug/kg	J	30.47			
Unknown	6800	ug/kg	J	30.76			
Unknown (PCB)	4600	ug/kg	J	31.38			
Six library search compounds detected							
Surrogate Recovery:							
2-Fluorophenol	67		%				01-005-138
Phenol-d5	66		%				01-005-138
2-Chlorophenol-d4	79		%				01-005-138
1,2-Dichlorobenzene-d4	60		%				01-005-138
Nitrobenzene-d5	59		%				01-005-138
2-Fluorobiphenyl	62		%				01-005-138
2,4,6-Tribromophenol	64		%				01-005-138
Terphenyl-d14	92		%				01-005-138

Analysis Comment:Internal standards 5 and 6 recoveries below limits. Confirmed by MS/MSD analysis.

Results calculated on a dry weight basis.

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Approved by: John A. Kent
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MS,FWS-SP05-0
Description: L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	6.79	mg/kg	0.654	29-JAN-01 00:00	EPA 335.2 CLPM	00-013-9(
Aluminum	7490	mg/kg	6.33	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Antimony	U	mg/kg	65.9	24-JAN-01 09:17	EPA 200.7 CLPM	01-017-05
Arsenic	25	mg/kg	1.30	25-JAN-01 00:00	EPA 206.2 CLPM	00-026-3
Barium	3570	mg/kg	0.528	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Beryllium	6.26	mg/kg	0.132	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-0
Cadmium	15.4	mg/kg	10.6	24-JAN-01 09:17	EPA 200.7 CLPM	01-017-05
Calcium	6370	mg/kg	2.51	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-0
Chromium	94.2	mg/kg	1.06	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Cobalt	78.4	mg/kg	1.32	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Copper	300	mg/kg	0.396	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-0
Iron	155000	mg/kg	26.4	24-JAN-01 09:17	EPA 200.7 CLPM	01-017-05
Lead	665	mg/kg	5.28	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-0
Magnesium	3930	mg/kg	7.91	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Manganese	1220	mg/kg	0.264	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Mercury	1.5	mg/kg	0.2300	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-3
Nickel	108	mg/kg	1.32	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Potassium	1850	mg/kg	14.6	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-0
Selenium	1.3	mg/kg	0.270	26-JAN-01 00:00	EPA 270.2 CLPM	98-201-50
Silver	U	mg/kg	15.8	24-JAN-01 09:17	EPA 200.7 CLPM	01-017-0
Sodium	1290	mg/kg	18.5	24-JAN-01 09:00	EPA 200.7 CLPM	01-017-05
Thallium	7.5	mg/kg	0.270	26-JAN-01 00:00	EPA 279.2 CLPM	00-028-68

Results calculated on a dry weight basis.

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-8

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-DRO1-SED-0
Description: GRAB
Sampled On: 15-JAN-01 10:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	1.07	mg/kg	0.682	29-JAN-01 00:00	EPA 335.2 CLPM	00-013-96
Total Solids	70.2	%		18-JAN-01 00:00	CLP 3.0	01-001-17
Aluminum	5670	mg/kg	6.57	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Antimony	U	mg/kg	68.5	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Arsenic	13	mg/kg	0.520	25-JAN-01 00:00	EPA 206.2 CLPM	00-026-32
Barium	7770	mg/kg	11.0	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Beryllium	0.249 B	mg/kg	0.137	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Cadmium	27.2	mg/kg	11.0	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Calcium	13700	mg/kg	2.60	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Chromium	280	mg/kg	1.10	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Cobalt	28.3	mg/kg	1.37	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Copper	5050	mg/kg	8.22	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Iron	209000	mg/kg	27.4	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Lead	1820	mg/kg	5.48	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Magnesium	3520	mg/kg	8.22	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Manganese	1140	mg/kg	0.274	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Mercury	32	mg/kg	1.4	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-34
Nickel	297	mg/kg	1.37	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Potassium	688	mg/kg	15.2	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05
Selenium	U	mg/kg	0.260	26-JAN-01 00:00	EPA 270.2 CLPM	98-201-50
Silver	U	mg/kg	16.4	24-JAN-01 08:54	EPA 200.7 CLPM	01-017-05
Sodium	224 B	mg/kg	19.2	24-JAN-01 08:51	EPA 200.7 CLPM	01-017-05

Results calculated on a dry weight basis.

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"Our family, caring about your analytical needs . . . Since 1963."

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Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Vanadium	96.6 B	mg/kg	18.5	24-JAN-01 09:17	EPA 200.7 CLPM	01-017-05
Zinc	3720	mg/kg	7.91	24-JAN-01 09:17	EPA 200.7 CLPM	01-017-05
ASP 95-1						
Chloromethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Bromomethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Vinyl chloride	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Chloroethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Methylene chloride	4 J	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Acetone	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Carbon disulfide	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
1,1-Dichloroethene	51	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
trans-1,2-Dichloroethene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
1,1-Dichloroethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
cis-1,2-Dichloroethene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
MEK(2-Butanone)	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Chloroform	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
1,1,1-Trichloroethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Carbon tetrachloride	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Benzene	71	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
1,2-Dichloroethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Trichloroethene	50	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
1,2-Dichloropropane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Bromodichloromethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
cis-1,3-Dichloropropene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
MIBK(4-Methyl-2-pentanone)	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Toluene	72	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
trans-1,3-Dichloropropene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
1,1,2-Trichloroethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Tetrachloroethene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
2-Hexanone	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Dibromochloromethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Chlorobenzene	64	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
Ethylbenzene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
p-Xylene/m-Xylene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
o-Xylene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Styrene	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-374
Bromoform	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37
1,1,2,2-Tetrachloroethane	U	ug/kg	13	19-JAN-01 15:16	ASP 95-1	00-163-37

Results calculated on a dry weight basis.

QC car NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MS,FWS-SP05-0
Description: L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
1,2-Dichloroethane-d4	97	%				00-163-374
Toluene-d8	118	%				00-163-374
4-Bromofluorobenzene	85	%				00-163-374
ASP 95-3						
alpha-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
beta-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Lindane (gamma-BHC)	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
delta-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Aldrin	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Heptachlor epoxide	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
alpha-Chlordane	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan I	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
gamma-Chlordane	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDE	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Dieldrin	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan II	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDD	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin aldehyde	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endosulfan sulfate	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
4,4'-DDT	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Endrin Ketone	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-264
Methoxychlor	U	ug/kg	470	07-FEB-01 00:00	ASP 95-3	99-127-264
Toxaphene	U	ug/kg	4700	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1016	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1221	U	ug/kg	1800	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1232	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1242	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1248	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1254	11000	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
PCB 1260	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-264
Extraction Information:				23-JAN-01 00:00		00-192-26

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MS,FWS-SP05-0
Description: L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	109	%				99-127-2
Decachlorobiphenyl	62	%				99-127-2
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
Phenol	1400	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
2-Chlorophenol	1500	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
1,3-Dichlorobenzene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
1,4-Dichlorobenzene	920	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
1,2-Dichlorobenzene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
Bis(2-chloroisopropylether)	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
2-Methylphenol	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Hexachloroethane	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
N-Nitrosodi-N-propylamine	1200	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
4-Methylphenol	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
Nitrobenzene	55 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
Isophorone	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
2-Nitrophenol	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
2,4-Dimethylphenol	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
Bis(2-chloroethoxymethane)	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
2,4-Dichlorophenol	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
1,2,4-Trichlorobenzene	900	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Naphthalene	190 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
4-Chloroaniline	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
Hexachlorobutadiene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
4-Chloro-3-methylphenol	1400	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
2-Methylnaphthalene	89 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Hexachlorocyclopentadiene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
2,4,6-Trichlorophenol	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
2,4,5-Trichlorophenol	U	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-1
2-Chloronaphthalene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
2-Nitroaniline	U	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-138
Dimethyl phthalate	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Acenaphthylene	95 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
2,6-Dinitrotoluene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
3-Nitroaniline	U	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-138
Acenaphthene	1200	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
2,4-Dinitrophenol	U	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-1
Dibenzofuran	170 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
2,4-Dinitrotoluene	920	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1
4-Nitrophenol	1200	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-138
Diethyl phthalate	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Fluorene	250 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-1

Results calculated on a dry weight basis.

QC cak NY 10252 NJ 73168 PA 68180 EPA NY 00830

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-10

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MS,FWS-SP05-0
Description: L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Chlorophenylphenylether	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
4-Nitroaniline	420 J	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-138
2-Methyl-4,6-dinitrophenol	U	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-138
N-Nitrosodiphenylamine	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
4-Bromophenylphenylether	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Hexachlorobenzene	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Pentachlorophenol	710 J	ug/kg	1100	19-FEB-01 11:27	ASP 95-2	01-005-138
Phenanthrene	2600	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Anthracene	700	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Carbazole	310 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Di-n-butyl phthalate	150 J	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Fluoranthene	2100	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Pyrene	9800	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Butylbenzyl phthalate	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Benzo(a)anthracene	3600	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
3,3-Dichlorobenzidine	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Chrysene	3600	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Bis-2-ethylhexyl phthalate	570	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Di-n-octyl phthalate	U	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Benzo(b)fluoranthene	4000 E	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Benzo(k)fluoranthene	2100	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Benzo(a)pyrene	3400	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Indeno(1,2,3-cd)pyrene	5600 E	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Dibenzo(a,h)anthracene	1300 E	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Benzo(g,h,i)perylene	5600 E	ug/kg	460	19-FEB-01 11:27	ASP 95-2	01-005-138
Extraction Information:				23-JAN-01 00:00		00-197-30
Surrogate Recovery:						
2-Fluorophenol	43	%				01-005-138
Phenol-d5	42	%				01-005-138
2-Chlorophenol-d4	51	%				01-005-138
1,2-Dichlorobenzene-d4	37	%				01-005-138
Nitrobenzene-d5	42	%				01-005-138
2-Fluorobiphenyl	42	%				01-005-138
2,4,6-Tribromophenol	33	%				01-005-138
Terphenyl-d14	66	%				01-005-138

Analysis Comment:Internal standards 5 and 6 recoveries below limits.

Results calculated on a dry weight basis.

QC CAR NY 10252 NJ 73168 PA 68180 EPA NY 00088

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MSD/DUP,
Description: FWS-SP05-SED-0 L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	1.41	mg/kg	0.622	29-JAN-01 00:00	EPA 335.2 CLPM	00-013-9(
Total Solids Analysis Comment:L62837-9	67.5	%		18-JAN-01 00:00	CLP 3.0	01-001-1
Aluminum	6970	mg/kg	7.04	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Antimony	U	mg/kg	73.3	24-JAN-01 09:20	EPA 200.7 CLPM	01-017-05
Arsenic	19	mg/kg	1.30	25-JAN-01 00:00	EPA 206.2 CLPM	00-026-3
Barium	4790	mg/kg	0.587	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-05
Beryllium	0.432 B	mg/kg	0.147	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Cadmium	14 B	mg/kg	11.7	24-JAN-01 09:20	EPA 200.7 CLPM	01-017-0
Calcium	7130	mg/kg	2.79	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-05
Chromium	138	mg/kg	1.17	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Cobalt	27.6	mg/kg	1.47	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-05
Copper	297	mg/kg	0.440	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Iron	260000	mg/kg	29.3	24-JAN-01 09:20	EPA 200.7 CLPM	01-017-0
Lead	811	mg/kg	5.87	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Magnesium	2660	mg/kg	8.80	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Manganese	1910	mg/kg	0.293	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-05
Mercury	0.94	mg/kg	0.2400	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-3
Nickel	77.9	mg/kg	1.47	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-05
Potassium	857	mg/kg	16.3	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-0
Selenium	U	mg/kg	0.250	26-JAN-01 00:00	EPA 270.2 CLPM	98-201-5
Silver	U	mg/kg	17.6	24-JAN-01 09:20	EPA 200.7 CLPM	01-017-05

Results calculated on a dry weight basis.

QC oak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MSD/DUP,
Description: FWS-SP05-SED-0 L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Sodium	168 B	mg/kg	20.5	24-JAN-01 09:03	EPA 200.7 CLPM	01-017-05
Thallium	0.62	mg/kg	0.250	26-JAN-01 00:00	EPA 279.2 CLPM	00-028-68
Vanadium	69.7 B	mg/kg	20.5	24-JAN-01 09:20	EPA 200.7 CLPM	01-017-05
Zinc	4300	mg/kg	8.80	24-JAN-01 09:20	EPA 200.7 CLPM	01-017-05
ASP 95-1						
Chloromethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Bromomethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Vinyl chloride	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Chloroethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Methylene chloride	5 J	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Acetone	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Carbon disulfide	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
1,1-Dichloroethene	61	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
trans-1,2-Dichloroethene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
1,1-Dichloroethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
cis-1,2-Dichloroethene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
MEK(2-Butanone)	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Chloroform	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
1,1,1-Trichloroethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Carbon tetrachloride	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Benzene	81	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
1,2-Dichloroethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Trichloroethene	60	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
1,2-Dichloropropane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Bromodichloromethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
cis-1,3-Dichloropropene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
MIBK(4-Methyl-2-pentanone)	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Toluene	83	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
trans-1,3-Dichloropropene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
1,1,2-Trichloroethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Tetrachloroethene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
2-Hexanone	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Dibromochloromethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Chlorobenzene	75	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Ethylbenzene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
p-Xylene/m-Xylene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
o-Xylene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Styrene	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Bromoform	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-11

TVGA
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Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MSD/DUP,
Description: FWS-SP05-SED-0 L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2,2-Tetrachloroethane	U	ug/kg	14	19-JAN-01 15:49	ASP 95-1	00-163-374
Surrogate Recovery:						
1,2-Dichloroethane-d4	95	%				00-163-37
Toluene-d8	115	%				00-163-37
4-Bromofluorobenzene	85	%				00-163-374
ASP 95-3						
alpha-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-265
beta-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-265
Lindane (gamma-BHC)	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-265
delta-BHC	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-26
Heptachlor	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-26
Aldrin	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-265
Heptachlor epoxide	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-265
alpha-Chlordane	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-26
Endosulfan I	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-26
gamma-Chlordane	U	ug/kg	47	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDE	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-265
Dieldrin	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-265
Endrin	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-26
Endosulfan II	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-26
4,4'-DDD	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-26
Endrin aldehyde	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-265
Endosulfan sulfate	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-265
4,4'-DDT	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-26
Endrin Ketone	U	ug/kg	90	07-FEB-01 00:00	ASP 95-3	99-127-26
Methoxychlor	U	ug/kg	470	07-FEB-01 00:00	ASP 95-3	99-127-265
Toxaphene	U	ug/kg	4700	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1016	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1221	U	ug/kg	1800	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1232	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-26
PCB 1242	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1248	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1254	18000	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1260	U	ug/kg	900	07-FEB-01 00:00	ASP 95-3	99-127-26
Extraction Information:				23-JAN-01 00:00		00-192-26

Results calculated on a dry weight basis.

QC ___ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-11

TVGA
Rob Napieralski

1000 Maple Road
Flma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MSD/DUP,
Description: FWS-SP05-SED-0 L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	227 D	%				99-127-265
Decachlorobiphenyl	118	%				99-127-265
Analysis Comment:D-Diluted out.						
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Phenol	1900	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Chlorophenol	2000	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
1,3-Dichlorobenzene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
1,4-Dichlorobenzene	1200	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
1,2-Dichlorobenzene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Bis(2-chloroisopropylether)	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Methylphenol	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Hexachloroethane	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
N-Nitrosodi-N-propylamine	1700	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
4-Methylphenol	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Nitrobenzene	63 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Isophorone	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Nitrophenol	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,4-Dimethylphenol	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Bis(2-chloroethoxymethane)	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,4-Dichlorophenol	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
1,2,4-Trichlorobenzene	1200	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Naphthalene	230 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
4-Chloroaniline	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Hexachlorobutadiene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
4-Chloro-3-methylphenol	1800	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Methylnaphthalene	110 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Hexachlorocyclopentadiene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,4,6-Trichlorophenol	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,4,5-Trichlorophenol	U	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Chloronaphthalene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Nitroaniline	U	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
Dimethyl phthalate	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Acenaphthylene	100 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,6-Dinitrotoluene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
3-Nitroaniline	U	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
Acenaphthene	1500	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,4-Dinitrophenol	U	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
Dibenzofuran	180 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
2,4-Dinitrotoluene	1200	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-11

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: L62837-9MSD/DUP,
Description: FWS-SP05-SED-0 L62837-9 GRAB
Sampled On: 15-JAN-01 11:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitrophenol	1500	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
Diethyl phthalate	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Fluorene	220 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
4-Chlorophenylphenylether	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
4-Nitroaniline	540 J	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
N-Nitrosodiphenylamine	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
4-Bromophenylphenylether	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Hexachlorobenzene	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Pentachlorophenol	1000 J	ug/kg	1200	19-FEB-01 12:22	ASP 95-2	01-005-139
Phenanthrene	2700	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Anthracene	650	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Carbazole	310 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Di-n-butyl phthalate	160 J	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Fluoranthene	2400	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Pyrene	11000 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Butylbenzyl phthalate	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Benzo(a)anthracene	4300 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
3,3-Dichlorobenzidine	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Chrysene	4400 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Bis-2-ethylhexyl phthalate	810	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Di-n-octyl phthalate	U	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Benzo(b)fluoranthene	5000 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Benzo(k)fluoranthene	2600	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Benzo(a)pyrene	4200 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Indeno(1,2,3-cd)pyrene	6800 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Dibenzo(a,h)anthracene	1700	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-1
Benzo(g,h,i)perylene	6500 E	ug/kg	490	19-FEB-01 12:22	ASP 95-2	01-005-139
Extraction Information:				23-JAN-01 00:00		00-197-30
Surrogate Recovery:						
2-Fluorophenol	55	%				01-005-139
Phenol-d5	54	%				01-005-139
2-Chlorophenol-d4	65	%				01-005-139
1,2-Dichlorobenzene-d4	46	%				01-005-1
Nitrobenzene-d5	54	%				01-005-1
2-Fluorobiphenyl	55	%				01-005-139
2,4,6-Tribromophenol	40	%				01-005-139
Terphenyl-d14	82	%				01-005-139

Analysis Comment:Internal standards 5 and 6 recoveries below limits.

Results calculated on a dry weight basis.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00[illegible]

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TD01-SED-0
Description: GRAB
Sampled On: 15-JAN-01 15:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.355	24-JAN-01 00:00	EPA 335.2 CLPM	00-013-93
Total Solids	61.2	%		18-JAN-01 00:00	CLP 3.0	01-001-17
Aluminum	1490	mg/kg	6.94	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Antimony	U	mg/kg	72.3	24-JAN-01 09:26	EPA 200.7 CLPM	01-017-05
Arsenic	16	mg/kg	0.550	24-JAN-01 00:00	EPA 206.2 CLPM	00-026-31
Barium	231	mg/kg	0.578	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Beryllium	U	mg/kg	0.145	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Cadmium	50.3	mg/kg	11.6	24-JAN-01 09:26	EPA 200.7 CLPM	01-017-05
Calcium	3720	mg/kg	2.75	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Chromium	143	mg/kg	1.16	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Cobalt	16	mg/kg	1.45	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Copper	285	mg/kg	0.434	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Iron	230000	mg/kg	28.9	24-JAN-01 09:26	EPA 200.7 CLPM	01-017-05
Lead	632	mg/kg	5.78	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Magnesium	633 B	mg/kg	8.68	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Manganese	1130	mg/kg	0.289	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Mercury	28	mg/kg	1.6	30-JAN-01 00:00	EPA 245.1 CLPM	98-011-34
Nickel	107	mg/kg	1.45	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Potassium	201 B	mg/kg	16.1	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Selenium	U W	mg/kg	0.290	26-JAN-01 00:00	EPA 270.2 CLPM	98-201-50

Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TD01-SED-0
Description: GRAB
Sampled On: 15-JAN-01 15:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	17.4	24-JAN-01 09:26	EPA 200.7 CLPM	01-017-05
Sodium	105 B	mg/kg	20.2	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
Thallium	0.51	mg/kg	0.280	26-JAN-01 00:00	EPA 279.2 CLPM	00-028-68
Vanadium	U	mg/kg	20.2	24-JAN-01 09:26	EPA 200.7 CLPM	01-017-05
Zinc	1540	mg/kg	0.434	24-JAN-01 09:23	EPA 200.7 CLPM	01-017-05
ASP 95-1						
Chloromethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Bromomethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Vinyl chloride	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Chloroethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Methylene chloride	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Acetone	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Carbon disulfide	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
1,1-Dichloroethene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
trans-1,2-Dichloroethene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
1,1-Dichloroethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
cis-1,2-Dichloroethene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
MEK(2-Butanone)	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Chloroform	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
1,1,1-Trichloroethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Carbon tetrachloride	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Benzene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
1,2-Dichloroethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Trichloroethene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
1,2-Dichloropropane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Bromodichloromethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
cis-1,3-Dichloropropene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
MIBK(4-Methyl-2-pentanone)	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Toluene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
trans-1,3-Dichloropropene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
1,1,2-Trichloroethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Tetrachloroethene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
2-Hexanone	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Dibromochloromethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Chlorobenzene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37
Ethylbenzene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
p-Xylene/m-Xylene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
o-Xylene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-37

Results calculated on a dry weight basis.

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00[illegible]

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TD01-SED-0
Description: GRAB
Sampled On: 15-JAN-01 15:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
Bromoform	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374
1,1,2,2-Tetrachloroethane	U	ug/kg	13	19-JAN-01 14:10	ASP 95-1	00-163-374

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	10	ug/kg	J	1.94
Unknown	9	ug/kg	J	5.43

Two library search compounds detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	96	%				00-163-374
Toluene-d8	111	%				00-163-374
4-Bromofluorobenzene	92	%				00-163-374

ASP 95-3

alpha-BHC	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
beta-BHC	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
Lindane (gamma-BHC)	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
delta-BHC	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
Heptachlor	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
Aldrin	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
Heptachlor epoxide	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
alpha-Chlordane	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
Endosulfan I	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
gamma-Chlordane	U	ug/kg	56	07-FEB-01 00:00	ASP 95-3	99-127-265
4,4'-DDE	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Dieldrin	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Endrin	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Endosulfan II	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
4,4'-DDD	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Endrin aldehyde	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Endosulfan sulfate	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
4,4'-DDT	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Endrin Ketone	U	ug/kg	110	07-FEB-01 00:00	ASP 95-3	99-127-265
Methoxychlor	U	ug/kg	560	07-FEB-01 00:00	ASP 95-3	99-127-265
Toxaphene	U	ug/kg	5600	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1016	U	ug/kg	1100	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1221	U	ug/kg	2200	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1232	U	ug/kg	1100	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1242	U	ug/kg	1100	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1248	U	ug/kg	1100	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1254	16000	ug/kg	1100	07-FEB-01 00:00	ASP 95-3	99-127-265
PCB 1260	U	ug/kg	1100	07-FEB-01 00:00	ASP 95-3	99-127-265

Results calculated on a dry weight basis.

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TD01-SED-0
Description: GRAB
Sampled On: 15-JAN-01 15:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				23-JAN-01 00:00		00-192-2
Surrogate Recovery:						
Tetrachloro-m-xylene	134	%				99-127-265
Decachlorobiphenyl	115	%				99-127-265
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Phenol	420 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2-Chlorophenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
1,3-Dichlorobenzene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
1,4-Dichlorobenzene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
1,2-Dichlorobenzene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Bis(2-chloroisopropylether)	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2-Methylphenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
Hexachloroethane	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
N-Nitrosodi-N-propylamine	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
4-Methylphenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Nitrobenzene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
Isophorone	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2-Nitrophenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2,4-Dimethylphenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Bis(2-chloroethoxymethane)	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
2,4-Dichlorophenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
1,2,4-Trichlorobenzene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
Naphthalene	98 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
4-Chloroaniline	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Hexachlorobutadiene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
4-Chloro-3-methylphenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2-Methylnaphthalene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
Hexachlorocyclopentadiene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
2,4,6-Trichlorophenol	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
2,4,5-Trichlorophenol	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-1
2-Chloronaphthalene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2-Nitroaniline	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-1
Dimethyl phthalate	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Acenaphthylene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
2,6-Dinitrotoluene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
3-Nitroaniline	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-1
Acenaphthene	170 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
2,4-Dinitrophenol	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-131
Dibenzofuran	110 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
2,4-Dinitrotoluene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-1
4-Nitrophenol	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-1

Results calculated on a dry weight basis.

QC oal NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TD01-SED-0
Description: GRAB
Sampled On: 15-JAN-01 15:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Fluorene	170 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
4-Chlorophenylphenylether	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
4-Nitroaniline	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-131
2-Methyl-4,6-dinitrophenol	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-131
N-Nitrosodiphenylamine	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
4-Bromophenylphenylether	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Hexachlorobenzene	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Pentachlorophenol	U	ug/kg	1400	09-FEB-01 18:42	ASP 95-2	01-005-131
Phenanthrene	1400	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Anthracene	320 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Carbazole	170 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Di-n-butyl phthalate	140 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Fluoranthene	1200	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Pyrene	2500	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Butylbenzyl phthalate	130 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Benzo(a)anthracene	830	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
3,3-Dichlorobenzidine	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Chrysene	920	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Bis-2-ethylhexyl phthalate	1900	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Di-n-octyl phthalate	U	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Benzo(b)fluoranthene	1100	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Benzo(k)fluoranthene	410 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Benzo(a)pyrene	780	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Indeno(1,2,3-cd)pyrene	610	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Dibenzo(a,h)anthracene	130 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Benzo(g,h,i)perylene	540 J	ug/kg	540	09-FEB-01 18:42	ASP 95-2	01-005-131
Extraction Information:				23-JAN-01 00:00		00-197-30

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	320	ug/kg	J	15.11
Unknown	1700	ug/kg	J	26.31

Results calculated on a dry weight basis.

QC oak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-12

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TD01-SED-0
Description: GRAB
Sampled On: 15-JAN-01 15:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Unknown	2100	ug/kg	J	27.48			
Unknown PCB Cogener	260	ug/kg	J	28.81			
Unknown PCB Cogener	1100	ug/kg	J	29.42			
Unknown	2000	ug/kg	J	29.91			
Unknown	3300	ug/kg	J	31.07			
Unknown	1900	ug/kg	J	32.56			
Unknown	1200	ug/kg	J	33.34			
Unknown	2000	ug/kg	J	34.55			
Unknown	1800	ug/kg	J	34.97			
Unknown	2800	ug/kg	J	35.11			
Unknown	1900	ug/kg	J	35.28			
Unknown	4800	ug/kg	J	35.44			
Unknown	360	ug/kg	J	35.59			
Unknown	1100	ug/kg	J	35.73			
Unknown Pathalate Ester	420	ug/kg	J	42.3			
17 library search compounds detected.							
Surrogate Recovery:							
2-Fluorophenol	53		%				01-005-13
Phenol-d5	57		%				01-005-131
2-Chlorophenol-d4	63		%				01-005-131
1,2-Dichlorobenzene-d4	44		%				01-005-13
Nitrobenzene-d5	46		%				01-005-13
2-Fluorobiphenyl	48		%				01-005-13
2,4,6-Tribromophenol	38		%				01-005-131
Terphenyl-d14	65		%				01-005-131

Analysis Comment:Internal standards 5 and 6 recoveries below limits. Confirmed by file A1344.

Results calculated on a dry weight basis.

QC [signature] NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-SSO-01-SED-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.357	16-AUG-01 00:00	EPA 335.2 CLPM	01-034-44
Analysis Comment:Sample analyzed past EPA holding time.						
Total Solids	94.1	%		06-AUG-01 00:00	CLP 3.0	01-072-94
Aluminum	4990	mg/kg	14.9	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Antimony	U	mg/kg	2.99	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Arsenic	3.8	mg/kg	0.490	10-AUG-01 00:00	EPA 206.2 CLPM	00-026-75
Barium	40.9	mg/kg	0.206	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Beryllium	0.32 B	mg/kg	0.103	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Cadmium	0.906	mg/kg	0.516	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Calcium	39300	mg/kg	12.3	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Chromium	12.6	mg/kg	1.03	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Cobalt	3.73 B	mg/kg	0.722	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Copper	24.3	mg/kg	0.310	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Iron	15800	mg/kg	7.74	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Lead	14	mg/kg	1.97	15-AUG-01 00:00	EPA 239.2 CLPM	01-014-71
Magnesium	4400	mg/kg	13.3	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Manganese	514	mg/kg	0.206	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Mercury	0.083	mg/kg	0.0510	14-AUG-01 00:00	EPA 245.1 CLPM	01-002-15
Nickel	17.4	mg/kg	0.619	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Potassium	482 B	mg/kg	11.7	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Selenium	UW	mg/kg	0.190	09-AUG-01 00:00	EPA 270.2 CLPM	98-201-75
Results calculated on a dry weight basis.						

CLP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY:

ND or U	= None Detected	< = less than	ug/L = micrograms per liter (equivalent to parts per billion)
mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg = milligrams per kilogram (equivalent to parts per million)
B	= analyte was detected in the method or trip blank		J = result estimated below the quantitation limit

FLI FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-SSO-01-SED-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	0.619	13-AUG-01 05:43	EPA 200.7 CLPM	01-096-09
Sodium	121 B	mg/kg	7.33	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Thallium	U	mg/kg	0.197	14-AUG-01 00:00	EPA 279.2 CLPM	01-011-76
Vanadium	8.03	mg/kg	0.825	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
Zinc	132	mg/kg	0.310	13-AUG-01 04:31	EPA 200.7 CLPM	01-096-09
ASP 95-1						
Chloromethane	7 JB	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Bromomethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Vinyl chloride	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Chloroethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Methylene chloride	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Acetone	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Carbon disulfide	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,1-Dichloroethene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
trans-1,2-Dichloroethene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,1-Dichloroethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
cis-1,2-Dichloroethene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
MEK(2-Butanone)	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Chloroform	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,1,1-Trichloroethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Carbon tetrachloride	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Benzene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,2-Dichloroethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Trichloroethene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,2-Dichloropropane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Bromodichloromethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
cis-1,3-Dichloropropene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
MIBK(4-Methyl-2-pentanone)	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Toluene	8 JB	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
trans-1,3-Dichloropropene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,1,2-Trichloroethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028

Results calculated on a dry weight basis.

NC MLO NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A. Kent
Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-5

TVGA
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Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-SS0-01-SED-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Tetrachloroethene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
2-Hexanone	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Dibromochloromethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Chlorobenzene	8 JB	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Ethylbenzene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
p-Xylene/m-Xylene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
o-Xylene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Styrene	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
Bromoform	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028
1,1,2,2-Tetrachloroethane	U	ug/kg	19	13-AUG-01 19:02	ASP 95-1	01-082-6028

Library Search Compounds:	Result	Units	Qual	Rention Time
Nonanal	8	ug/kg	NJ	21.43
Decanal	26	ug/kg	NJ	22.73

Library Search Comment:Two library search compounds detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	100	%				01-082-6028
Toluene-d8	112	%				01-082-6028
4-Bromofluorobenzene	96	%				01-082-6028

ASP 95-3

Alpha-BHC	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Beta-BHC	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Lindane (gamma-BHC)	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
delta-BHC	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Heptachlor	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Aldrin	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Heptachlor epoxide	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
alpha-Chlordane	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Endosulfan I	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
gamma-Chlordane	U	ug/kg	1.8	29-AUG-01 00:00	ASP 95-3	01-125-4200I
4,4'-DDE	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Dieldrin	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Endrin	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Endosulfan II	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I
4,4'-DDD	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Endrin aldehyde	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I
Endosulfan sulfate	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200I

Results calculated on a dry weight basis.

NCMLD NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A Kent
Lab Director

KEY:

ND or U	= None Detected	< = less than	ug/L	= micrograms per liter (equivalent to parts per billion)	
mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg	= milligrams per kilogram (equivalent to parts per million)	
B	= analyte was detected in the method or trip blank		J	= result estimated below the quantitation limit	

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-SSO-01-SED-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4,4'-DDT	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200
Endrin Ketone	U	ug/kg	3.5	29-AUG-01 00:00	ASP 95-3	01-125-4200
Methoxychlor	U	ug/kg	18	29-AUG-01 00:00	ASP 95-3	01-125-4200
Toxaphene	U	ug/kg	180	29-AUG-01 00:00	ASP 95-3	01-125-420(
PCB 1016	U	ug/kg	35	29-AUG-01 00:00	ASP 95-3	01-125-4200
PCB 1221	U	ug/kg	71	29-AUG-01 00:00	ASP 95-3	01-125-4200
PCB 1232	U	ug/kg	35	29-AUG-01 00:00	ASP 95-3	01-125-4200
PCB 1242	U	ug/kg	35	29-AUG-01 00:00	ASP 95-3	01-125-4200
PCB 1248	U	ug/kg	35	29-AUG-01 00:00	ASP 95-3	01-125-420(
PCB 1254	U	ug/kg	35	29-AUG-01 00:00	ASP 95-3	01-125-4200
PCB 1260	U	ug/kg	35	29-AUG-01 00:00	ASP 95-3	01-125-4200
Extraction Information:				07-AUG-01 00:00		01-114-37
Surrogate Recovery:						
Tetrachloro-m-xylene	96	%				01-125-4200
Decachlorobiphenyl	101	%				01-125-4200
ASP 95-2						
Bis(2-chloroethylether)	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Phenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2-Chlorophenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
1,3-Dichlorobenzene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
1,4-Dichlorobenzene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
1,2-Dichlorobenzene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Bis(2-chloroisopropylether)	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2-Methylphenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Hexachloroethane	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
N-Nitrosodi-N-propylamine	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
4-Methylphenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Nitrobenzene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Isophorone	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2-Nitrophenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2,4-Dimethylphenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Bis(2-chloroethoxymethane)	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2,4-Dichlorophenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
1,2,4-Trichlorobenzene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Naphthalene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
4-Chloroaniline	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Hexachlorobutadiene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
4-Chloro-3-methylphenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2-Methylnaphthalene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Hexachlorocyclopentadiene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810

Results calculated on a dry weight basis.

NC MUD NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-SSO-01-SED-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4,6-Trichlorophenol	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2,4,5-Trichlorophenol	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Chloronaphthalene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Nitroaniline	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
imethyl phthalate	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Acenaphthylene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2,6-Dinitrotoluene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Nitroaniline	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
cenaphthene	150 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2,4-Dinitrophenol	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
Dibenzofuran	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
2,4-Dinitrotoluene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Nitrophenol	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
iethyl phthalate	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
luorene	180 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
4-Chlorophenylphenylether	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Nitroaniline	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Methyl-4,6-dinitrophenol	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
-Nitrosodiphenylamine	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
4-Bromophenylphenylether	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Hexachlorobenzene	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
entachlorophenol	U	ug/kg	1800	15-AUG-01 16:50	ASP 95-2	01-071-2810
henanthrene	1700	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
nthracene	340 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Carbazole	190 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Di-n-butyl phthalate	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
luoranthene	2000	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
yrene	4000	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
utylbenzyl phthalate	95 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Benzo(a)anthracene	940	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
3,3-Dichlorobenzidine	U	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
hrysene	1100	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
is-2-ethylhexyl phthalate	370 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
i-n-octyl phthalate	180 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Benzo(b)fluoranthene	1100	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Benzo(k)fluoranthene	610 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
enzo(a)pyrene	770	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
ndeno(1,2,3-cd)pyrene	1200	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
ibenzo(a,h)anthracene	360 J	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810
Benzo(g,h,i)perylene	1200	ug/kg	710	15-AUG-01 16:50	ASP 95-2	01-071-2810

Results calculated on a dry weight basis.

CTMO NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY:	ND or U	= None Detected	< = less than	ug/L	= micrograms per liter (equivalent to parts per billion)
	mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg	= milligrams per kilogram (equivalent to parts per million)
	B	= analyte was detected in the method or trip blank		J	= result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:17-SEP-2001

Lab Sample ID: L73859-5

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: SI/RAR FORMER WELCH FOODS
Origin: FWS-SSO-01-SED-0
Description: GRAB, 200403
Sampled On: 01-AUG-01 14:30 by CLIENT
Date Received: 03-AUG-01 13:39
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				07-AUG-01 00:00		01-068-73

Library Search Compounds:	Result	Units	Qual	Rention Time
nonyl-Phenol	190	ug/kg	NJ	23.19
Unknown Phenol	270	ug/kg	J	23.33
nonyl-Phenol	340	ug/kg	NJ	23.46
4-nonyl Phenol	320	ug/kg	NJ	23.6
Unknown Phenol	170	ug/kg	J	23.76
nonyl-Phenol	240	ug/kg	NJ	23.89
Unknown Phenol	380	ug/kg	J	24.03
Unknown Phenol	280	ug/kg	J	24.14
2-methyl Anthracene	140	ug/kg	NJ	26.28
Unknown Aromatic	250	ug/kg	J	26.51
Hexadecanoic Acid	200	ug/kg	NJ	26.8
9,10-Anthracenedione	150	ug/kg	NJ	27.27
Unknown Phenol	200	ug/kg	J	29.64
Unknown PAH	220	ug/kg	J	30.19
11H-benzo[b]fluorene	210	ug/kg	NJ	30.4
Unknown Acid	200	ug/kg	J	31.81
Benzo[e]pyrene	540	ug/kg	JN	36.77

Library Search Comment:17 library search compounds detected.

Surrogate Recovery:						
2-Fluorophenol	66		%			01-071-2810
Phenol-d5	64		%			01-071-2810
2-Chlorophenol-d4	77		%			01-071-2810
1,2-Dichlorobenzene-d4	54		%			01-071-2810
Nitrobenzene-d5	53		%			01-071-2810
2-Fluorobiphenyl	57		%			01-071-2810
2,4,6-Tribromophenol	64		%			01-071-2810
Terphenyl-d14	140	*	%			01-071-2810

Analysis Comment:Internal standards 5 and 6 recoveries below limits. *Surrogate recovery above acceptance limits. Confirmed by file A2807.

Results calculated on a dry weight basis.

CNYO NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John C. Kent
Lab Director

KEY:					
	ND or U	= None Detected	< = less than	ug/L	= micrograms per liter (equivalent to parts per billion)
	mg/L	= milligrams per liter (equivalent to parts per million)		mg/kg	= milligrams per kilogram (equivalent to parts per million)
	B	= analyte was detected in the method or trip blank		J	= result estimated below the quantitation limit

APPENDIX D-5

STORMWATER SAMPLE LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SS 01 STW 0
Description: GRAB
Sampled On: 10-JAN-01 16:30 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/l	0.01	22-JAN-01 00:00	EPA 335.2 CLPM	00-013-91
Aluminum	99.4 B	ug/l	48.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Antimony	U	ug/l	25.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Arsenic	U	ug/l	2.00	22-JAN-01 00:00	EPA 206.2 CLPM	00-026-28
Barium	81.4 B	ug/l	4.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Beryllium	U	ug/l	1.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Cadmium	U	ug/l	4.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Calcium	39100	ug/l	19.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Chromium	U	ug/l	8.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Cobalt	U	ug/l	10.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Copper	4.4 B	ug/l	3.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Iron	391	ug/l	10.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Lead	2	ug/l	1.00	22-JAN-01 00:00	EPA 239.2 CLPM	01-013-3
Magnesium	6140	ug/l	60.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Manganese	138	ug/l	2.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Mercury	U	ug/l	0.2000	16-JAN-01 00:00	EPA 245.1 CLPM	98-011-31
Nickel	U	ug/l	10.0	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Potassium	1760 B	ug/l	110	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04
Selenium	U W	ug/l	2.00	21-JAN-01 00:00	EPA 270.2 CLPM	98-201-48
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	ug/l	6.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-04

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SS 01 STW 0
Description: GRAB
Sampled On: 10-JAN-01 16:30 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Sodium	3880 B	ug/l	140	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-0
Thallium	U	mg/l	2.00	20-JAN-01 00:00	EPA 279.2 CLPM	00-028-6
Vanadium	U	ug/l	7.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-0
Zinc	11.6 B	ug/l	3.00	19-JAN-01 07:04	EPA 200.7 CLPM	01-017-0
ASP 95-1						
Chloromethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Bromomethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Vinyl chloride	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Chloroethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Methylene chloride	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Acetone	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Carbon disulfide	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
1,1-Dichloroethene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
trans-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
1,1-Dichloroethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
cis-1,2-Dichloroethene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
MEK(2-Butanone)	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Chloroform	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
1,1,1-Trichloroethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Carbon tetrachloride	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Benzene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
1,2-Dichloroethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Trichloroethene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
1,2-Dichloropropane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Bromodichloromethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
cis-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Toluene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
trans-1,3-Dichloropropene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
1,1,2-Trichloroethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
Tetrachloroethene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
2-Hexanone	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Dibromochloromethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Chlorobenzene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Ethylbenzene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
p-Xylene/m-Xylene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3
o-Xylene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Styrene	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-37
Bromoform	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-3

QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SS 01 STW 0
Description: GRAB
Sampled On: 10-JAN-01 16:30 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2,2-Tetrachloroethane	U	ug/l	10	17-JAN-01 16:26	ASP 95-1	00-163-370

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	6	ug/l	J	1.94

One library search compound detected.

Surrogate Recovery:						
1,2-Dichloroethane-d4	101	%				00-163-370
Toluene-d8	101	%				00-163-370
4-Bromofluorobenzene	103	%				00-163-370

ASP 95-3

alpha-BHC	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
beta-BHC	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Lindane (gamma-BHC)	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
delta-BHC	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Heptachlor	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Aldrin	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Heptachlor epoxide	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
alpha-Chlordane	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
Endosulfan I	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
gamma-Chlordane	U	ug/l	0.05	24-JAN-01 00:00	ASP 95-3	99-127-250
4,4'-DDE	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Dieldrin	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endrin	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endosulfan II	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
4,4'-DDD	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endrin aldehyde	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endosulfan sulfate	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
4,4'-DDT	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Endrin Ketone	U	ug/l	0.1	24-JAN-01 00:00	ASP 95-3	99-127-250
Methoxychlor	U	ug/l	0.5	24-JAN-01 00:00	ASP 95-3	99-127-250
Toxaphene	U	ug/l	5	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1016	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1221	U	ug/l	2	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1232	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1242	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1248	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1254	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250
PCB 1260	U	ug/l	1	24-JAN-01 00:00	ASP 95-3	99-127-250

QC lak NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millior
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SS 01 STW 0
Description: GRAB
Sampled On: 10-JAN-01 16:30 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JAN-01 00:00		00-192-18
Surrogate Recovery:						
Tetrachloro-m-xylene	113	%				99-127-250
Decachlorobiphenyl	90	%				99-127-250
ASP 95-2						
Bis(2-chloroethylether)	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Phenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2-Chlorophenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
1,3-Dichlorobenzene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
1,4-Dichlorobenzene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
1,2-Dichlorobenzene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Bis(2-chloroisopropylether)	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2-Methylphenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
Hexachloroethane	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
N-Nitrosodi-N-propylamine	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
4-Methylphenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
Nitrobenzene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
Isophorone	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
2-Nitrophenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
2,4-Dimethylphenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
Bis(2-chloroethoxymethane)	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2,4-Dichlorophenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
1,2,4-Trichlorobenzene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
Naphthalene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
4-Chloroaniline	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
Hexachlorobutadiene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
4-Chloro-3-methylphenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
2-Methylnaphthalene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
Hexachlorocyclopentadiene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2,4,6-Trichlorophenol	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2,4,5-Trichlorophenol	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-11
2-Chloronaphthalene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
2-Nitroaniline	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-1
Dimethyl phthalate	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
Acenaphthylene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2,6-Dinitrotoluene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
3-Nitroaniline	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-1
Acenaphthene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
2,4-Dinitrophenol	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-11
Dibenzofuran	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-11
2,4-Dinitrotoluene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-1
4-Nitrophenol	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-1

QC eaR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SS 01 STW 0
Description: GRAB
Sampled On: 10-JAN-01 16:30 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Fluorene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
4-Chlorophenylphenylether	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
4-Nitroaniline	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-115
2-Methyl-4,6-dinitrophenol	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-115
N-Nitrosodiphenylamine	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
4-Bromophenylphenylether	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Hexachlorobenzene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Pentachlorophenol	U	ug/l	25	20-JAN-01 04:08	ASP 95-2	01-005-115
Phenanthrene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Anthracene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Carbazole	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Di-n-butyl phthalate	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Fluoranthene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Pyrene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Butylbenzyl phthalate	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Benzo(a)anthracene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
3,3-Dichlorobenzidine	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Chrysene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Bis-2-ethylhexyl phthalate	7 J	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Di-n-octyl phthalate	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Benzo(b)fluoranthene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Benzo(k)fluoranthene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Benzo(a)pyrene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Indeno(1,2,3-cd)pyrene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Dibenzo(a,h)anthracene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Benzo(g,h,i)perylene	U	ug/l	10	20-JAN-01 04:08	ASP 95-2	01-005-115
Extraction Information:				16-JAN-01 00:00		00-197-20

Library Search Compounds:	Results	Units	Qual	Retention Time
Unknown	3	ug/l	J	18.28

Approved by: _____
Lab Director

KEY:
ND or U = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JAN-2001

Lab Sample ID: L62573-7

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS SS 01 STW 0
Description: GRAB
Sampled On: 10-JAN-01 16:30 by CLIENT
Date Received: 12-JAN-01 10:45
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:							
2-Fluorophenol	47		%				01-005-1
Phenol-d5	46		%				01-005-1
2-Chlorophenol-d4	62		%				01-005-1
1,2-Dichlorobenzene-d4	56		%				01-005-115
Nitrobenzene-d5	56		%				01-005-115
2-Fluorobiphenyl	57		%				01-005-1
2,4,6-Tribromophenol	81		%				01-005-1
Terphenyl-d14	16	*	%				01-005-1

Analysis Comment:* Surrogate recovery below acceptance limits. Confirmed by B1483.

QC QAP NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
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APPENDIX D-6

SUMP SLUDGE SAMPLES LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:01-FEB-2001

Lab Sample ID: L62658-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-SP04-SLG-0
Description: COMPOSITE
Sampled On: 10-JAN-01 14:45 by CLIENT
Date Received: 12-JAN-01 11:25
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Corrosivity	Noncorrosive	mg/l		12-JAN-01 16:00	EPA 1110	99-116-42
Cyanide, Reactive	U	mg/kg	0.47	22-JAN-01 00:00	SW846 CH.7	00-013-91
Ignitability	Non-ignitable			12-JAN-01 00:00	SW846 CH.7	98-032-61
Sulfide Reactivity	317	mg/kg	10.8	22-JAN-00 00:00	SW846 Ch.7	00-193-4
Arsenic	U	mg/l	1.20	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
Barium	1.85	mg/l	0.160	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
Cadmium	U	mg/l	0.050	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
Chromium	U	mg/l	0.100	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
Lead	U	mg/l	0.440	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
Mercury	U	mg/l	0.0100	16-JAN-01 00:00	EPA 7470 TCLP	98-011-31
Selenium	U	mg/l	0.700	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
Silver	U	mg/l	0.100	19-JAN-01 10:10	EPA 6010 TCLP	01-017-04
TCLP 8260						
Vinyl chloride	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
1,1-Dichloroethene	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
MEK(2-Butanone)	U	mg/l	0.1	17-JAN-01 15:27	TCLP 8260	00-164-6031
Chloroform	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
Carbon tetrachloride	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
Benzene	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
1,2-Dichloroethane	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
Trichloroethene	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
Tetrachloroethene	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
Chlorobenzene	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031
1,4-Dichlorobenzene	U	mg/l	0.03	17-JAN-01 15:27	TCLP 8260	00-164-6031

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:01-FEB-2001

Lab Sample ID: L62658-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-SP04-SLG-0
Description: COMPOSITE
Sampled On: 10-JAN-01 14:45 by CLIENT
Date Received: 12-JAN-01 11:25
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	99	%				00-164-603
Toluene-d8	102	%				00-164-603
4-Bromofluorobenzene	101	%				00-164-603
TCLP 8081						
Lindane	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-127-255
Heptachlor	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-127-2558F
Heptachlor Epoxide	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-127-2558F
Endrin	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-127-2558F
Methoxychlor	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-127-255
Chlordane	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-127-255
Toxaphene	U	mg/l	0.05	30-JAN-01 00:00	TCLP 8081	99-127-2558F
Extraction Information:				18-JAN-01 00:00	EPA 3510	00-192-20
Surrogate Recovery:						
Tetrachloro-m-Xylene	114	%				99-127-2558F
Decachlorobiphenyl	92	%				99-127-2558F
TCLP 8151						
2,4-D	U	mg/l	0.4	22-JAN-01 00:00	TCLP 8151	99-100-6500
2,4,5-TP (Silvex)	U	mg/l	0.4	22-JAN-01 00:00	TCLP 8151	99-100-6500
Extraction Information:				17-JAN-01 00:00		00-088-71
Surrogate Recovery:						
DCAA	110	%				99-100-6500
TCLP 8270						
Pyridine	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
o-Cresol	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
p-Cresol/m-Cresol	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
Hexachloroethane	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
Nitrobenzene	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
Hexachlorobutadiene	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
2,4,6-Trichlorophenol	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
2,4,5-Trichlorophenol	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
2,4-Dinitrotoluene	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
Hexachlorobenzene	U	mg/l	0.05	18-JAN-01 19:02	TCLP 8270	01-005-1128
Pentachlorophenol	U	mg/l	0.2	18-JAN-01 19:02	TCLP 8270	01-005-1128

QC Q NY 10252 NJ 73168 PA 68180 EPA NY 00035

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:01-FEB-2001

Lab Sample ID: L62658-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-SP04-SLG-0
Description: COMPOSITE
Sampled On: 10-JAN-01 14:45 by CLIENT
Date Received: 12-JAN-01 11:25
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				17-JAN-01 00:00	EPA 3510	00-197-21
Surrogate Recovery:						
2-Fluorophenol	52	%				01-005-1128
Phenol-d5	38	%				01-005-1128
Nitrobenzene-d5	58	%				01-005-1128
2-Fluorobiphenyl	54	%				01-005-1128
2,4,6-Tribromophenol	90	%				01-005-1128
Terphenyl-d14	58	%				01-005-1128

C NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:01-FEB-2001

Lab Sample ID: L62658-3

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-SP04-SLG-0
Description: COMPOSITE
Sampled On: 10-JAN-01 14:45 by CLIENT
Date Received: 12-JAN-01 11:25
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	21.3	%		30-JAN-01 00:00	EPA 160.3	01-001-27
EPA 8082						
PCB 1016	U	mg/kg	0.47	28-JAN-01 00:00	EPA 8082	99-108-6335R
PCB 1221	U	mg/kg	0.93	28-JAN-01 00:00	EPA 8082	99-108-633
PCB 1232	U	mg/kg	0.47	28-JAN-01 00:00	EPA 8082	99-108-633
PCB 1242	U	mg/kg	0.47	28-JAN-01 00:00	EPA 8082	99-108-6335R
PCB 1248	3.1	mg/kg	0.47	28-JAN-01 00:00	EPA 8082	99-108-6335R
PCB 1254	U	mg/kg	0.47	28-JAN-01 00:00	EPA 8082	99-108-6335R
PCB 1260	12	mg/kg	0.47	28-JAN-01 00:00	EPA 8082	99-108-633
Extraction Information:				18-JAN-01 00:00	EPA 3540	00-192-21
Surrogate Recovery:						
Tetrachloro-m-xylene	86	%				99-108-633

Results calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-13

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP06-SLG-0
Description: GRAB
Sampled On: 15-JAN-01 15:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	98	%				00-163-378
Toluene-d8	95	%				00-163-378
4-Bromofluorobenzene	95	%				00-163-378
TCLP 8081						
Lindane	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-100-256
Heptachlor	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-100-256
Heptachlor Epoxide	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-100-256
Endrin	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-100-256
Methoxychlor	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-100-256
Chlordane	U	mg/l	0.005	30-JAN-01 00:00	TCLP 8081	99-100-256
Toxaphene	U	mg/l	0.05	30-JAN-01 00:00	TCLP 8081	99-100-256
Extraction Information:				25-JAN-01 00:00		00-192-29
Surrogate Recovery:						
Tetrachloro-m-Xylene	109	%				99-100-256
Decachlorobiphenyl	53	%				99-100-256
TCLP 8151						
2,4-D	U	mg/l	0.4	31-JAN-01 00:00	TCLP 8151	99-100-652
2,4,5-TP (Silvex)	U	mg/l	0.4	31-JAN-01 00:00	TCLP 8151	99-100-652
Extraction Information:				24-JAN-01 00:00		00-088-72
Surrogate Recovery:						
DCAA	81	%				99-100-652
TCLP 8270						
Pyridine	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
o-Cresol	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
p-Cresol/m-Cresol	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
Hexachloroethane	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
Nitrobenzene	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
Hexachlorobutadiene	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
2,4,6-Trichlorophenol	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
2,4,5-Trichlorophenol	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
2,4-Dinitrotoluene	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
Hexachlorobenzene	U	mg/l	0.05	26-JAN-01 20:24	TCLP 8270	00-165-155
Pentachlorophenol	U	mg/l	0.2	26-JAN-01 20:24	TCLP 8270	00-165-155

 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-13

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP06-SLG-0
Description: GRAB
Sampled On: 15-JAN-01 15:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				24-JAN-01 00:00	EPA 3510	00-197-3
Surrogate Recovery:						
2-Fluorophenol	26	%				00-165-155
Phenol-d5	19	%				00-165-155
Nitrobenzene-d5	68	%				00-165-15
2-Fluorobiphenyl	66	%				00-165-15
2,4,6-Tribromophenol	68	%				00-165-155
Terphenyl-d14	73	%				00-165-155

QC ral NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-18

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP06-SLG-0
Description: GRAB
Sampled On: 15-JAN-01 15:00 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	49.9	%		22-JAN-01 00:00	CLP 3.0	01-001-20
EPA 8082						
PCB 1016	U	mg/kg	0.2	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1221	U	mg/kg	0.4	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1232	U	mg/kg	0.2	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1242	U	mg/kg	0.2	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1248	U	mg/kg	0.2	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1254	5.1	mg/kg	0.2	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1260	U	mg/kg	0.2	28-JAN-01 00:00	EPA 8082	99-108-63
Extraction Information:				23-JAN-01 00:00	EPA 3540	00-192-28
Surrogate Recovery: Decachlorobiphenyl	117	%				99-108-63

Results calculated on a dry weight basis.

QC QAR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millior
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

APPENDIX D-7

SUMP WASTEWATER SAMPLE LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:01-FEB-2001

Lab Sample ID: L62658-2

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH'S FOOD SITE
Origin: FWS-SPO4-WW-0
Description: COMPOSITE
Sampled On: 10-JAN-01 14:40 by CLIENT
Date Received: 12-JAN-01 11:25
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH Analysis Comment:pH as Received at Lab.	5.05			12-JAN-01 13:15	EPA 150.1	99-052
BOD	9400	mg/l	2400	12-JAN-01 16:15	EPA 405.1	00-123-96
C.O.D.	10300	mg/l	10000	24-JAN-01 00:00	EPA 410.4	00-126-44
Total Suspended Solids	310	mg/l	25	15-JAN-01 08:47	EPA 160.2	00-177-12

Report Comment: COD SAMPLE PH >2, SAMPLE WAS TREATED UPON RECEIPT AT LAB.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-1

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-SP06-WW-0
Description: GRAB
Sampled On: 15-JAN-01 14:30 by CLIENT
Date Received: 17-JAN-01 10:35
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH Analysis Comment:pH as Received at Lab.					EPA 150.1	
BOD	24	mg/l	24	17-JAN-01 14:45	EPA 405.1	00-173-86
C.O.D.	10.6	mg/l	10	27-JAN-01 00:00	EPA 410.4	00-126-47
Total Suspended Solids	60	mg/l	5	18-JAN-01 08:52	EPA 160.2	00-177-15

QC ccl NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A. Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

APPENDIX D-8

CONCRETE SAMPLES LABORATORY REPORT

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-14

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TR01-CC-0
Description: COMPOSITE
Sampled On: 16-JAN-01 09:00 by CLIENT
Date Received: 18-JAN-01 10:05
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	91.2	%		18-JAN-01 00:00	CLP 3.0	01-001-17
EPA 8082						
PCB 1016	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1221	U	mg/kg	0.22	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1232	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1242	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1248	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1254	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1260	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
Extraction Information:				23-JAN-01 00:00	EPA 3540	00-192-28
Surrogate Recovery: Decachlorobiphenyl	120	%				99-108-632

Results calculated on a dry weight basis.

QC ear NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-15

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TR02-CC-0
Description: COMPOSITE
Sampled On: 16-JAN-01 09:15 by CLIENT
Date Received: 18-JAN-01 10:05
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	95.6	%		18-JAN-01 00:00	CLP 3.0	01-001-17
EPA 8082						
PCB 1016	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1221	U	mg/kg	0.21	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1232	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1242	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1248	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1254	0.24	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-63
PCB 1260	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-63
Extraction Information:				23-JAN-01 00:00	EPA 3540	00-192-28
Surrogate Recovery:						
Decachlorobiphenyl	121	%				99-108-63

Results calculated on a dry weight basis.

QC [signature] NY 10252 NJ 73166 PA 68180 EPA NY 00033

Approved by: [signature]
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-16

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TR03-CC-0
Description: COMPOSITE
Sampled On: 16-JAN-01 09:30 by CLIENT
Date Received: 18-JAN-01 10:05
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	91.9	%		18-JAN-01 00:00	CLP 3.0	01-001-17
EPA 8082						
PCB 1016	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1221	U	mg/kg	0.21	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1232	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1242	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1248	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1254	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1260	U	mg/kg	0.1	28-JAN-01 00:00	EPA 8082	99-108-632
Extraction Information:				23-JAN-01 00:00	EPA 3540	00-192-28
Surrogate Recovery: Decachlorobiphenyl	117	%				99-108-632

Results calculated on a dry weight basis.

QC cal NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John Klink
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

"Our family caring about your analytical

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:20-FEB-2001

Lab Sample ID: L62837-17

TVGA
Rob Napieralski

1000 Maple Road
Elma, NY 14059

Sample Source: FORMER WELCH SITE
Origin: FWS-TR04-CC-0
Description: COMPOSITE
Sampled On: 16-JAN-01 09:45 by CLIENT
Date Received: 18-JAN-01 10:05
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	90	%		18-JAN-01 00:00	CLP 3.0	01-001-1
EPA 8082						
PCB 1016	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-6
PCB 1221	U	mg/kg	0.22	28-JAN-01 00:00	EPA 8082	99-108-6
PCB 1232	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-6
PCB 1242	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1248	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-632
PCB 1254	0.15	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-6
PCB 1260	U	mg/kg	0.11	28-JAN-01 00:00	EPA 8082	99-108-6
Extraction Information:				23-JAN-01 00:00	EPA 3540	00-192-28
Surrogate Recovery:						
Decachlorobiphenyl	115	%				99-108-6

Results calculated on a dry weight basis.

QC QAR NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millio
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

APPENDIX E

CHAIN OF CUSTODY FORMS

CUSTOMER COPY — CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: TVGA ENGINEERING
ADDRESS: 1000 MAPLE ROAD ELMA, N.Y. 14059
PHONE: 716-655-8642 FAX: 716-655-0937

INVOICE TO: TVGA ENGINEERING
ADDRESS: 1000 MAPLE ROAD ELMA, N.Y. 14059

Sample Site:

P.O. #

PROJECT NO. / NAME
200403
S1/RAR FORMER
WELCH FOODS SITE

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12/18/00 12:08 pm	FWS-TB01-H-0	1 - 4oz 2 - 8oz Description: Grab Composite Other Matrix: DW WW MW (Soil) Air Other	TCL VOLATILES / ASP 95-1 TCL SEMI VOLATILES / ASP 95-2 TCL PESTICIDES / PCBs / ASP 95-3 TAL METALS (CN by ASP) / ASP	LAB USE ONLY
12/18/00 2:00 pm	FWS-MW01-C-0	1 - 4oz 2 - 8oz Description: Grab Composite Other Matrix: DW WW MW (Soil) Air Other	TCL VOLATILES / ASP 95-1 TCL SEMI VOLATILES / ASP 95-2 TCL PESTICIDES / PCBs / ASP-95-3 TAL METALS (CN by ASP) / ASP	
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER D. McCoy	12/18/00 5:00pm	W. Czelusta	12/18/00 501pm	ALL ASP
W Czelusta	12/19/00 8:55am			
				SUSPECTED CONTAMINATION LEVEL NONE (SLIGHT) MODERATE HIGH (please circle)

CU ER CE — — CHAIN OF CUSTODY RECORD — 1 of —

FLI FRIEND LABORATORY I·N·C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Maple Rd
Elma, NY 14059
PHONE: FAX:

INVOICE TO: Same
ADDRESS:

Sample Site:

P.O. #

PROJECT NO. / NAME
200403
SI/RAR
Former Welders Food Site

COPY TO:
ADDRESS: Same

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12/19/00 11:00	FWS-MW03-I-0	1 1 K Description: Grab Composite Other Matrix: DW WW MW (Soil) Air Other	TCL Volatiles ASP-95-1 TCL Semi-Vol ASP 95-2 TCL Pesticides/PCB's ASP 95-3 TAL Metals (CN, ASP) ASP	LAB USE ONLY
12/19/00 13:30	FWS-MW02-B-0	1 1 1 Description: Grab Composite Other Matrix: DW WW MW (Soil) Air Other	as above	
	total cont.	6 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER	12/19/00 15:30			
				SUSPECTED CONTAMINATION LEVEL

NONE (SLIGHT) MODERATE HIGH (please circle)

CU ER C — CHAIN OF CUSTODY RECORD — Page 1 of 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Maple Rd
Elma, NY 14059
PHONE: 716 655-8842 FAX: 716 655-0937

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welchs Food Site
Bacon, NY

P.O. #

PROJECT NO. / NAME
200 103
SI/RAR Former
Welchs Food Site

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12/20/00 1500	FWS-TB04-~~I/S-O~~ -I/S-O	1-40z 2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles / ASP-95-1 TCL Semi-Vol / ASP-95-2 TCL Pesticides+PCBs / ASP-95-3 TAL Metals (Only ASP) / ASD	LAB USE ONLY
~~12/20/00 1500~~	~~FWS-TB04-I/S-MS/MSD~~	1-40z 2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	As above WR	
12/19/00 1620	FWS-TB02-A/B-O	1-40z 2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	As above	
	Total = ~~9~~ = 6 WR	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER D.L. McCoy	12/20@ 1700	WR Zyla	12-20-00 17:01	all ASP
WR Zyla	12-21-00 0900			
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CU[illegible]ER C[illegible] — — CHAIN OF CUSTODY RECORD Page __ of __

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: Former Welchs Food Site Rochester, NY

P.O. #

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Hyde Rd Elm, Rd 14054
PHONE: 716 655 8042 FAX: 0937

INVOICE TO: Same
ADDRESS:

PROJECT NO. / NAME: 200403 SI/RAR former Welch Food Site

COPY TO: Same
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12/21/00 1345	FWS-TB05-DEF-0	1-Poly 2-Vials (3) Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Vol ASP 95-1 TCL Semi Vol ASP 95-2 TAL Metals (Na, ASP) ASP TCL Pesticides/PCBs ASP 95-3	LAB USE ONLY
12/21/00 1345	FWS-TB05-DEF-MS/MSD	1-Poly 2-Vials (3) Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	Same as above	
12/21/00 15 15	FWS-SS-Rinse	2-Vials 4-1 liter amber 1-w/ NaOH (8) Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	Same as above	
12/21/00 1 15:15	FWS-Trip blank	2-Vials (2) Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Vols ASP 95-1	

total = 16

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER	12-21-00 @1540			

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

CLIENT: TVGA Engineer
ADDRESS: 1000 Maple Rd.
Elma, NY 14059
PHONE: 716 655 8842 FAX: 0931

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welch's Food Site
Brocton, NY

P.O. #

PROJECT NO. / NAME
200403
SI/RAR Former Welch
Brocton, NY

COPY TO:
ADDRESS:

L011696

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12-21-00 1630	FW's-MW04-BC-0	2-8oz 1-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles ASP 95-1 TCL Semi Vol ASP 95-2 TCL Pesticides/PCB's ASP 95-3 TAL Metals (CN in ASP) ASP	LAB USE ONLY
	Total = 3	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: [signature]	12/14/00 @1702	Melanie Page	12/26/00 0836	ASP Recd by John A Kenhn 12/23/00 @ home Placed in locked cooler @ lab 12/23/00 Shipping container opened 12/26/00

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

CLIENT: TVGA Eng
ADDRESS: 1000 Maple Rd
Elma, NY 14059
PHONE: 716 655-8842 FAX: 0937

INVOICE TO:
ADDRESS: Same

Sample Site: Former Welch Food Site Brocton, NY
P.O. #

PROJECT NO. / NAME 200403
SI/RAR
Former Welch Food Site

COPY TO:
ADDRESS:

L61801

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / HNO_3 pH <2 / H_2SO_4 pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite)	ANALYSES / TESTS REQUESTED	LAB USE ONLY SAMPLE NUMBER
12/26/00 ~~10:00~~	FWS-MW05-C-0	1-40z, 2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles ASP 95-1 TCL Semi Vol ASP 95-2 TCL Pesticides/PCBs ASP 95-3 TAL Metals (CN by ASP) ASP	
12/26/00 ~~12:00~~	FWS-MW06-F-0	1-40z, 2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	
12/22/00 0830	FWS-TP01-4	2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	Volatiles STARS List 8021 Semi Volatiles STARS List 8270	-1
12/22/00 0830	FWS-TP01-4-MS/MSD	2-80z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-2,3

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER DL McCoy	12/26/00 1500		12-28-00 1500	
		Tom Jones	12/28/00 10:37	

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Maple Rd
Elma, NY 14059
PHONE: 716 655-8882 FAX: 0437

INVOICE TO:
ADDRESS: Same

Sample Site: Former Welch Food Site
Boston, NY

P.O. #

PROJECT NO. / NAME
200403
SI/RAR
Former Welch Food Site

COPY TO:
ADDRESS:

LAB NUMBER L61801

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	LAB USE ONLY
12/22/00 0930	FWS-TP02-4	2-4oz Description: ~~Grab~~ Composite Other Matrix: DW WW MW Soil Air Other	Volatiles STARS List 8021 Semi Volatiles STARS List 8270	-4
12/22/00 09:40	FWS-TP03-1	2-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-5
12/22/00 10:25	FWS-TP04-4	2-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-6
12/22/00 1045	FWS-TP05-1	2-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-7

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER D.L. McCoy	12/26/00 15:00	W.R. Zelinski	12-26-00 1500	
		Tom Jones	12/28/00 10:37	
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: Former Welch Food Site Boston, NY

P.O. #

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: TVGA Eng
ADDRESS: 1000 Maple Rd Elma, NY 14059
PHONE: 716 655 8842 FAX: 0937

INVOICE TO:
ADDRESS: Same

PROJECT NO. / NAME 200103
SI/RAR
Former Welch Food Site

COPY TO:
ADDRESS: -

L61801

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12-22-00 12:30	FWS-TP06-1	2-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	Volatiles STARS List 8021 SEMI Volatiles STARS List 8270	8 LAB USE ONLY
	total = 20	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
	~~holding blk~~	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	~~95~~ 1	
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER D.L. McCoy	12/26/00 15:00		12-26-00 1500	
		Lora Jones	12/28/00 10:37	
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: FORMER WELCH'S FOOD SITE SI/RAR

P.O. #

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: TUCA ENGINEERING
ADDRESS: 1000 MAPLE ROAD ELMA, N.Y. 14059
PHONE: (716) 655 2842 FAX: (716) 655-0137

INVOICE TO: TUCA ENGINEERING
ADDRESS: 1000 MAPLE ROAD ELMA, NY. 14059

PROJECT NO. / NAME
200403
SI/RAR - FORMER WELCH FOOD SITE

COPY TO:
ADDRESS:

L0226 8

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES REQUESTED	SAMPLE NUMBER
1/3/01 @2:30pm	FWS SP01 SED 0	1-4oz 2-4oz 2-4oz Description: Grab Composite Other Matrix: ~~DW~~ WW MW Soil Air Other	TCL VOLATILES / ASP 95-1 TCL SEMIVOLATILES / ASP 95-2 TCL PESTICIDES / PCBS / ASP 95-3 TAL METAL (CN by ASP) / ASP	LAB USE ONLY -1, -2, -3
1/3/01 @2:32pm	FWS SP01 SED 0			
1/3/01 @2:35pm	FWS SP01 SED 0			
1/3/01 @2:40pm	FWS SP01 SED 0			
1/3/01 @3:20pm	FWS SP02 SED 0	1-4oz 2-4oz 2-4oz Description: Grab Composite Other Matrix: ~~DW~~ WW MW Soil Air Other	TCL VOLATILES / ASP 95-1 TCL SEMIVOLATILES / ASP 95-2 TCL PESTICIDES / PCBs / ASP 95-3 TAL METAL (CN by ASP) / ASP	-4
1/3/01 @3:25pm	FWS SP02 SED 0			
1/3/01 @3:30pm	FWS SP02 SED 0			
1/3/01 @3:35pm	FWS SP02 SED 0			
1/3/01 @4:00pm	FWS SP03 SED 0	1-4oz 2-4oz 2-4oz Description: Grab Composite Other Matrix: ~~DW~~ WW MW Soil Air Other	TCL VOLATILES / ASP 95-1 TCL SEMIVOLATILES / ASP 95-2 TCL PESTICIDES / PCBs / ASP 95-3 TAL METAL (CN by ASP) / ASP	-5
1/3/01 @4:02pm	FWS SP03 SED 0			
1/3/01 @4:05pm	FWS SP03 SED 0			
1/3/01 @4:15pm	FWS SP03 SED 0			
1/5/01	Holding Blank 95045-104-5	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		-6

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER DAVID L. McCoy	1/4/01 10:30AM		1/4/01 10:30	
		Deanna Norton	1/5/00 10:10	
				SUSPECTED CONTAMINATION LEVEL NONE (SLIGHT) MODERATE HIGH (please circle)

CUSTODY CODE: ____ PAGE ___ OF ___

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: IVA ENGINEERING
ADDRESS: [illegible]
PHONE: [illegible] FAX: [illegible]

INVOICE TO: IVA
ADDRESS:

Sample Site: FRANKLIN WELLS FERRY SITE SI/NAK

P.O. #

PROJECT NO. / NAME: FRANKLIN WELLS FERRY SITE SI/NAK

COPY TO:
ADDRESS:

L62573

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1/9/01 @ 15:20	FWS MW01 OB 6.0	4 - 1 LITRE AMBERS 2 - VOAs 1 - [illegible] 1 - [illegible] Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL VOLATILES, ASP 95.1 TCL SEMIVOLATILES ASP 95.2 TCL PESTICIDES/PCBS ASP 95.3 TOTAL METALS (ICP By ASP) ASP KAK NH3	LAB USE ONLY -1
1/9/01 @ 16:45	FWS MW01 OB 6.0	4 - 1 LITRE AMBERS 2 VOAs 1 - [illegible] 1 - [illegible] Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL VOLATILES ASP 95.1 TCL SEMIVOLATILES ASP ASP 95.2 TCL PESTICIDES/PCBS ASP 95.3 TCL METALS (ICP By ASP) ASP TOC	-2 dilute per EW
1/9/01 @ 15:20	FWS MW01 MS/MSD	4 - 1 LITRE AMBERS 2 VOAs 1 - [illegible] 1 - [illegible] Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	SAME AS ABOVE	-2-3-4
1/9/01 @ 15:20	FWS TB Holding Blank	2 VOAs 12 [illegible] 6.3.3 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL VOLATILES ASP 95.1	-5 -6

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER David L McCoy	1/9/01 17:22	Deanna Norton	1/11/01 10:12	
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Eng.
ADDRESS: 1000 Maple Rd
Elma, NY 14059
PHONE: 716 655 8892 FAX: 0937

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welchs Food Site
Rochon, NY

P.O. #

PROJECT NO. / NAME
200403
SI/RAR Former Welchs

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1-10-01 14:40	FWS-SP01-WW-0	8-1 L amber Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	BOD EPA 600 Series 405.1 COD " " 410 TSS " " 160.2 pH " " 150.1	LAB USE ONLY
	total = 8 1 L + 1 temp = 9 btl Description: Grab Composite Other Matrix: DW WW MW Soil Air Other			
	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other			
	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other			

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: [signature]	1-10-01 1700			
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CUSTODY COD: ___ CHAIN OF CUSTODY RECORD PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Eng
ADDRESS: 100 Myrtle Rd
Elma, NY 14059
PHONE: 716 655 5572 FAX: 0137

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welchs Food Site
Rte 18, Bowton, NY

P.O. #

PROJECT NO. / NAME
200403
SI/RAR

COPY TO:
ADDRESS:

L62573

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1-10-01 12:20	FWS-MW03-GW-OB-01	4 - 1 L ambers 2 - Voas 1 - 250 mL Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles ASP 95-1 TCL Semi Volatiles ASP 95-2 TCL Pesticides/PCB's ASP 95-3 TAL Metals (CN, Hg + SP) ASP total ammonia	LAB USE ONLY -8
1-10-01 12:20	FWS-MW03-GW-OB-FD	4 - 1 L ambers 2 - Voas 1 - 0.5 L Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-9
	total	8 + 4 + 1 + 1 = 14 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	plus temp. vial	-10
	Trip Blank	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: [signature]	~~1-10-01~~ 1-10-01 @ 17:40	Deanna Norton	1-12-01 10:45	

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE ___ CHAIN OF CUSTODY RECORD PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: Former Wecus Ford Site Brocton, N.Y.

P.O. #

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: TVGA ENGINEERING
ADDRESS: 1000 MAPLE ROAD ELMA NY. 14059
PHONE: 716-655-2242 FAX: 716-655-0937

INVOICE TO: TVGA
ADDRESS:

PROJECT NO. / NAME
200403
FORMER WECUS
FORD SITE SI/RAR

COPY TO:
ADDRESS:

L02573

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1/10/01 @ 16:30	FWS SS 01 STN 0	2 - VOAs 40ml 1 - 1 LITER AMBER 1 - 1 LITER AMBER Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL VOLATILES ASP 95-1 TCL SEMIVOLATILES ASP 95-2 TCL PESTICIDES / PCB'S ASP 95 3 TAL METALS (CN BY AST) ASP	LABNSE ONLY -1
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER Dave McCoy	1/10/01 17:40	Deanna Norton	1/12/01 10:45	
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER COPY

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Eng.
ADDRESS: 1000 Maple Rd
Elma, NY 14059
PHONE: 716 655-8447 FAX: 0937

INVOICE TO: same
ADDRESS:

Sample Site: former Welchs Food Site
Brocton, NY

P.O. #

PROJECT NO. / NAME
200403
SI/RAR Former Welchs Food Site

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1-10-01 14:45	FWS-SP04-SLG-0	2-160z 2-80z 6-40z Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	Full TCLP-EPA 1311 PCBs - EPA SW846-8082 IGNITABILITY - EPA 1010 REACTIVITY - EPA 7.3 CORROSIVITY - EPA 9040	LAB USE ONLY
	total	10+1 Temp Blank = 11 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: [signature]	1-10-01 17:45			
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____ CHAIN OF CUSTODY RECORD PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

CLIENT: TVGA Eng
ADDRESS: 1000 Maple Rd
Elma, NY
PHONE: 716 655-8842 FAX: 0437

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welch Food Site
Rte 20, Brocton, NY

P.O. #

PROJECT NO. / NAME
200403 SI/RAR
Former Welch Food site

COPY TO:
ADDRESS:

L62837

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS (Untreated; Sodium thiosulfate; HCl pH <2; Ascorbic acid & HCl pH <2; HNO_3 pH <2; H_2SO_4 pH <2; NaOH pH >12; NaOH & Zinc acetate pH >9; Acetic Buffer pH <3; Sodium sulfite)	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1-15-01 10:30	FWS-DR01-SED-0	2-8oz, 3-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles (ASP 95-1) TCL Semi-Volatiles (ASP 95-2) TCL Pesticides/PCBs (ASP 95-3) TAL Metals (ASP) (CN by ASP)	LAB USE ONLY -8
1-15-01 11:30	FWS-SP05-SED-0 ✓	2-8oz, 3-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	As above	-9, 10, 11
1-15-01 15:30	FWS-~~IDW~~ TD01-SED-0	2-8oz, 3-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	As above	-12
1-15-01 15:00	FWS-SP06-SLG-0	6-8oz, 6-4oz total = 12, 15 8oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	Ignitability (SW 846 - 1010) Reactivity (SW 846 - 7.3) Corrosivity (SW 846 - 9040) Full TCLP water Method 1311 PCBs (SW 846 8082)	-13

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER:	1-15-01 16:00	Deanna Norton	1/19/01 8:00	
				SUSPECTED CONTAMINATION LEVEL
				NONE SLIGHT MODERATE HIGH (please circle)

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Ens
ADDRESS: 1000 Maple Rd
Elma, NY
PHONE: 716 655 8542 FAX: 0937

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welchs Food Site
Rte 20, Boston, NY

P.O. #

PROJECT NO. / NAME
20070 3
SI/RAR
Former Welchs Food site
Boston, NY

COPY TO:
ADDRESS:

L62837

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSIS / TESTS REQUESTED	SAMPLE NUMBER
1-15-01 14:30	FWS-SP06-WW-0	8-1L Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	BOD EPA 600 series 405.1 COD EPA 600 series 410 TSS EPA 600 series 160-2 pH EPA 600 series 150.1	LAB USE ONLY -1
1-15-01 1800	FWS-TB01 ~~total=3~~ 2-1L 3-VOAs Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		ASP 95-1 Volatiles	-2
	total=10 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		Trip Blank 95-045-104-5	-3
	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other			

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER W. Gylnall	1-15-01 17:10	Deanna Norton	1/17/01 10:35	
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Ens
ADDRESS: 1000 Maple Rd
Elmn, NY
PHONE: 716 655-8812 FAX: 0937

INVOICE TO:
ADDRESS: Same

Sample Site: Former Welchs Food Site
Rte 20, Brockton, NY

P.O. #

PROJECT NO. / NAME
200903
SI/RAR
Former Welchs Food Site

COPY TO:
ADDRESS:

L02837

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
1-15-01 12:35	FWS-MW05-OB-GW-0	2-vows, 2-1L amber Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles ASP 95-1 TCL Pesticides/PCBs ASP 95-3	LAB USE ONLY -4
1-15-01 17:00	FWS-MW05-OB-GW-0	2-1L amber, 1-1L HDPE, 1-.5L HDPE, 1-.5L Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL semi-vols ASP 95-2 TAL Metals (CN by ASP) ASP ~~Ammonia~~	
1-15-01 17:30	FWS-MW04-OB-GW-0	2-1L amber, 2-vows, 1-1L HDPE, 1-.5L, 1-.5L HDPE Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL volatiles ASP 95-1 * TCL semi-volatiles ASP 95-2 TCL Pest/PCBs ASP 95-3 TAL Metals (CN by ASP) ASP ← Filter @ Lab Ammonia	-5
1-15-01 1800	FWS-TB02	2-vows Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL volatiles ASP 95-1 95-045-104-4	-6

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER:	1-15-01 1600			Filter FWS-MW04-OB-GW-0 for TAL metals analysis @ Lab *Turbidity high (260 → 800)
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CU ER C[illegible] — — CHAIN OF CUSTODY RECORD Page 1 of 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Maple Rd
Elmira, NY 14904
PHONE: 716 655 8842 FAX: 0937

INVOICE TO: Same
ADDRESS:

Sample Site: Former Welchs Food site
Rte 20, Brocton, NY

P.O. #

PROJECT NO. / NAME
200403
SI/RAR Former Welchs
Brocton, NY

COPY TO:
ADDRESS:

LL2837

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
				LAB USE ONLY
1-16-01 9:00	FWS-TR01-CC-0	1-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	PCB's SW-846 Method 8082	-14
1-16-01 9:15	FWS-TR02-CC-0	1-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-15
1-16-01 9:30	FWS-TR03-CC-0	1-4oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-16
1-16-01 9:45	FWS-TR04-CC-0 total = 4	1-4oz. Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	as above	-17

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: [signature]	1/16/01 1600	Deanna Norton	1/18/01 10:05	Std TAT
				SUSPECTED CONTAMINATION LEVEL
				NONE (SLIGHT) MODERATE HIGH (please circle)

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: Former Welch Foods Site
Rte 20, Bocton, NY

P.O. #

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Maple Rd.
PHONE: FAX:

INVOICE TO: TVGA Engineering
ADDRESS: 1000 Maple Rd

PROJECT NO. / NAME
200403
SI/RAR - Former Welch Foods Site

COPY TO: none
ADDRESS:

93859

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
8/1/01 @ 11:58	FWS-Pump Rinse	1 .5L; 1 1L Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TAL Metals (ASP) CN by ASP	-1
8/1/01 @ 14:10	FWS-37Main-S-0	1-8oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TAL Metals (ASP) CN by ASP	-2, -3, -4
8/1/01 @ 14:10	FWS-37Main-S-0-MS/MD	1-8oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TAL Metals (ASP) CN by ASP	
8/1/01 @ 14:30	FWS-SSO-01-SED-0	1-8oz 2-8oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles (ASP-1) TCL Semi-Volatiles (ASP-2) TCL Pesticides/PCBs (ASP-3) TAL Metals + CN (ASP)	-5

LAB USE ONLY

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER W Rykaski	8-1-01 @1600	Lone Jones	8/3/01 1:39	2.1
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: TVGA Engineering
ADDRESS: 1000 Maple Rd
PHONE: FAX:

INVOICE TO: TVGA Engineering
ADDRESS: 1000 Maple Rd

Sample Site: Former Welch Foods Site
Rte 20, Becton, NY
P.O. #

PROJECT NO. / NAME
200403
SI/RAR - Former Welch Foods Site

COPY TO: none
ADDRESS:

73859

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
8-1-01 @1500	FWS-12Harmon S-0	① 8oz Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TAL Metals (ASP) CN by ASP	-6
8-1-01@15:30	FWS-MW01-OB-GW-RS	① 1ℓ ① ½ℓ Description: Grab Composite Other Matrix: DW WW (MW) Soil Air Other	Filter in Lab TAL Metals (ASP) CN by ASP	-7, -8
holding blk		10 containers total 1 temp blk Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	95-045-107-15	-9
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

LAB USE ONLY

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER	8-1-01 @16:00	Tom Jones	8/3/01 1:39	~~FWS~~ FWS-MW01-OB-GW-RS has high turbidity - requires filtering in Lab

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

APPENDIX F

DATA VALIDATION REPORT

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

RECEIVED
MAY 30 2001
TVGA

May 24, 2001

Rob Napieralski
TVGA Engineering
1000 Maple Rd.
Elma, NY 14059

RE: Validation of Former Welch Food Site Data Packages
FLI Report Nos. 61454, 61696, 61801, 62268, 62573, and 62837

Dear Mr. Napieralski:

Review has been completed for the data packages generated by Friends Laboratories, Inc. which pertain to samples collected at the Former Welch Foods site from 12/18/00 through 1/16/01. Sixteen soil and six aqueous samples were analyzed for TCL volatiles, TCL semivolatiles, TCL pesticides/PCBs, and TAL metals. Six additional soil samples were analyzed for STARS volatiles and semivolatile analytes. A rinse blank, trip blanks, and matrix spikes/duplicates were also processed. Methodologies utilized are those of the NYSDEC 1995 ASP CLP for the TCL analytes, and USEPA SW846 8021 and 8270 for STARS analytes. Results-only were reported in the data packages for four soil samples processed for TCL PCBs and one sludge sample processed for waste characterization, but those results were not validated.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA Region 2 SOPs HW-2 and HW-6. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Method Compliance
* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, results for most target analytes are usable as reported, or with minor qualification as estimated due to typical matrix effects or processing variances. Results for base/neutral analytes in one soil sample are not usable. Several noncompliant processing issues were observed, primarily as relates to metals analyses and Tentatively Identified Compound (TIC) evaluation and reporting. These issues are discussed in the following analytical sections.

Attached to this report are copies of sample identification and analysis requirement summary forms and laboratory case narratives.

All sample IDs noted below also include the prefix "FWS-".

Data Completeness

Data packages were to have been generated according to the NYSDEC ASP deliverables requirements. However, data summary packages including sample results report Forms I for all analyses were not provided. The summary of results provided in the packages reflect only single or combined results in the case of multiple analyses of a sample fraction. These summarized results also do not include many of the laboratory flags required of the ASP reporting. This report cites the validation edits and qualifiers based upon all analyses performed, for application to all associated Form I results.

Rather than the required evaluation of volatile and semivolatile Tentatively Identified Compound (TIC) identifications required of the protocol, the laboratory routinely reported "unknown" for identification, even in those cases where the library matches exceed 90%, or when the characterization of the sample response is obvious. The text below provides general information regarding the observed apparent tentative identifications. If these components are of specific concern for this project, the laboratory should be requested to provide complete and compliant TIC evaluation and reporting.

Many of the custody logs did not indicate the sample matrix. There were no release signatures present for some interim laboratory custodians.

No signature is present on the cover sheet for the metals analyses in SDG 62268.

Use of white out in the data package deliverables should be replaced by writeout, initial, and date edit procedures.

Volatile Analyses by 95-1 and 8021

Samples TB02-A/B-O, SP03-SED-O, SP05-SED-O, and DR01-SED-O exhibited low response for internal standard d5-chlorobenzene, and results for the following analytes in those samples are to be qualified as estimated ("J" or "UJ"): 2-hexanone, 4-methyl-2-pentanone, tetrachloroethene, 1,1,2,2-tetrachloroethane, toluene, chlorobenzene, ethylbenzene, and xylenes.

The result for naphthalene in TP04-4 is to be derived from the dilution analysis ("-DL").

The samples processed for STARS by EPA 5035/8021 were processed at a "medium" level, but used a higher ratio of soil to solvent, and of solvent to purge water than the protocols allow. The may result in incomplete extraction of the samples containing many organic components, and subsequent biased low reporting values and limits. Therefore, the results for the six samples processed for the STARS analytes are to be qualified as estimated ("UJ" or "J").

As indicated by presence in the associated trip or method blanks, detections of methylene chloride in the samples in SDG 62837, methylene chloride, acetone, and toluene in SDG 61454, and methylene toluene, acetone, and xylene in SDG 62268 61454, which are flagged as "B" on the Forms I, are considered contamination, and should be edited to nondetection ("U") at the CRDL. Many of these should have been flagged as "B" on the results summary data forms.

The reported value for analytes flagged as "E" should be derived from the dilution analyses ("-DL"). All other analyte results for the sample can be used from the initial runs, but those derived from the dilution runs of soil samples are to be qualified as estimated ("J") due to fact that a previously opened vial was used (only one submitted).

The TIC #2 in MW04-BC-O and the TIC at 5.44' in the samples in SDG 62268 could be identified tentatively (flag "NJ") as hexane. The TIC #3 in that sample is an apparent aldehyde. Most TICs for this project are aliphatic hydrocarbons (ex. alkanes) or oxygenated hydrocarbons (alcohols and aldehydes).

TICs flagged with the "B" flag should be rejected from consideration as sample components due to presence in associated blanks.

Matrix spikes of TCL analytes in MW06-F-O, TB05-DEF-O, SP01-SED-O, MW01, MW04-OB-GW-O, and SP05-SED-O showed acceptable accuracy and precision. Accuracy and precision for STARS parameters in TP-01-4 and TP-05-1 were also acceptable, with the exception of one slightly elevated duplicate correlation value, not affecting reported results.

Field duplicate correlation of the aqueous sample MW03-GW-OB-O was acceptable.

Holding times, instrumental tunes, internal and surrogate standard recoveries, calibration standards, and blank responses were within required limits, with the exception of the internal standard outliers noted above.

Soil and aqueous samples were processed under the same calibration standards/conditions, which is not compliant with protocol requirements.

Semivolatile Analyses by 95-2 and EPA 8270

Sample MW04-OB-GW-O produced a very poor recovery for one base/neutral surrogate standard (d14-terphenyl at 8%), mandating rejection ("R") of the reported results for all nondetected base/neutral analytes in the sample. The sample was apparently reinjected, but not reextracted although required by protocol. Any detected base/neutral analytes are to be qualified estimated ("J").

Numerous samples exhibited a matrix effect from interferences which resulted in low recoveries of internal standards d12-chrysene and/or d12-perylene. Therefore, the results of the associated analytes in the samples are qualified estimated ("J" or "UJ"). Therefore the following analytes are to be qualified as such in the listed samples. Unless noted otherwise, the initial analysis results should be used preferentially over the reanalysis:
di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)-anthracene, and benzo(g,h,i)perylene in MW02-B-O
benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)-anthracene, and benzo(g,h,i)-perylene in TP-06-1, TP-05-1, and TP-03-1.
pyrene, butylbenzylphthalate, 3,3'-dicholorobenzidine, benzo(a)anthracene, bis(2-ethyolhexyl)phthalate, chrysene, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)-anthracene, and benzo(g,h,i)perylene in SP01-SED-O, SP03-SED-O, SP05-SED-O, TD01-SED-O, DR01-SED-O and SP02-SED-O.

For DR01-SED-O only the second dilution ("-DL2"), and for SP02-SED-O only the dilution ("-DL"), results should be used for those listed analytes prior to qualification, due to excessive interference in the lesser dilutions. This results in higher reporting limits for those analytes.

The reported values for those analytes flagged in the initial analyses as "E" by the laboratory should be derived from the dilution analyses. All other analyte results for those samples can be used from the initial, less diluted runs, unless noted otherwise within this text.

Matrix spikes of TCL analytes in MW01, MW04-OB-GW-O, and SP05-SED-O, and for STARS parameters in TP-01-4 showed acceptable accuracy and precision, with the exception slightly elevated values not affecting reported results.

Matrix spikes of TB05-DEF-O produced low recoveries for n-nitrosodipropylamine, and the result for that analyte in that samples is therefore qualified estimated ("UJ"), with a possible low bias to the reporting limit.

Matrix spikes of SP01-SED-O showed no recovery of 4-nitrophenol, and erratic recovery of acenaphthene (70% and 195%). The result for 4-nitrophenol is to be rejected ("R") in that sample, and the result for acenaphthene should be qualified estimated ("J") in that sample.

Field duplicate correlation of the aqueous sample MW03-GW-OB-O was acceptable.

Detections of bis(2-ethylhexyl)phthalate in the samples in SDG 61454 and 62268, and the aqueous samples in SDG 62837 are to be edited to nondetection ("U") at the CRDL, or at the reported concentration, whichever is greater, due to copresence in the associated rinse blank.

Due to low (compliant) responses (30%D) in the associated calibration standard, results for 4-nitroaniline and carbazole in sample SP02-SED-O, pentachlorophenol (29%D) in DR01-SED-O, and 4-nitrophenol (39%D) and pentachlorophenol (36%D) in TD01-SED-O, are to be qualified estimated ("J" or "UJ").

Holding times, instrumental tunes, internal and surrogate standard recoveries, and blank responses were within required limits, with the exception of the internal standard outliers noted above.

Most TICs for this project are aliphatic hydrocarbons (ex. alkanes) or oxygenated hydrocarbons (alcohols and aldehydes). In particular sample MW03-I-O shows a very strong straightchained aliphatic hydrocarbon pattern.

TICs flagged with the "B" flag should be rejected from consideration as sample components due to presence in associated blanks. Some sample TICs not reported with the "B" flag do show similar responses to those at low levels in associated method blanks.

Use TICs for samples DR01-SED-O and SP02-SED-O only from the most dilute analyses of these samples.

The analysis artifact aldol condensate was present in the samples, but not reported as a TIC.

TCL Pesticide/PCB Analyses by 95-3

The integration output provided in the raw data does not reflect all responses, but is typical of the software output following analyst interpretation. Data package deliverables do not require full, unedited integration output. However, with the chromatographic scaling provided in the raw data, independent review cannot be performed to verify that the samples containing high concentrations of Aroclor 1254 actually do not have reportable pesticide detections. Therefore, the possibility of false negatives may exist for those samples. Additional documentation would be required of the laboratory to perform full validation (i.e. unedited integration output, and associated Forms 10A for detections).

Reported detections have been validated for this project.

Surrogate DCB produced low recoveries (25% and 28%, below 30% advisory limit) in MW04-OB-GW-O. Therefore, the reported pesticide and PCB results for that sample should be qualified estimated ("J" or "UJ"), with a possible low bias.

Pesticide matrix spikes in TB05-DEF-O and MW01 showed acceptable accuracy and precision. Those for SP01-SED-O and SP05-SED-O were diluted beyond detection due to sample constituency of high PCB concentrations. The spikes of MW01 showed good recoveries for one matrix spike, but low recoveries for endrin and dieldrin in the other. Although this may be an extract specific anomaly, the result for dieldrin in the sample is to be qualified estimated ("UJ") due to the possibility that the result may be biased low. Endrin results do not require qualification because of the ability to observe potential breakdown products as observed in the spike.

Field duplicate correlation of the aqueous sample MW03-GW-OB-O was acceptable.

Due to elevated dual column correlation, all results flagged as "P" are to be qualified as estimated ("J").

Heptachlor produced a noncompliant low recovery of 77% in the GPC cleanup associated with samples in SDGs 61454, and heptachlor and 4,4-DDT showed low recoveries for heptachlor (77%) and 4,4'-DDT (75%) in samples associated with SDG 61696. Therefore, the results for those analytes in those associated soil samples are qualified as estimated, "UJ" or "J", with a possible low bias.

Samples were analyzed in sequences in which associated calibration standard and QC controls produced noncompliant outlying surrogate standard retention times. Review of the associated sample data shows no observed effect on the reported results.

Some of the spikes and blanks showed noncompliant elevated pesticide spike compound or surrogate standard recoveries. Associated samples reported no detections of those analytes, although some showed Aroclor detections.

Although required by protocols, the client identification is not present on the pesticide/PCB report Forms I or raw data. Results were validated to laboratory ID numbers.

Metals Analyses by CLPM

Holding times were met, with the exception that the rinse blank was analyzed for cyanide one day beyond the allowable laboratory holding time from VTSR. The technical holding time was met, and no qualification is required.

The cyanide Laboratory Control Sample associated with samples in SDG 62278 showed low noncompliant recovery (23%, about half the lower limit). Therefore, results for cyanide in the samples in this group are to be qualified estimated ("UJ" and "J").

The rinse blank showed significant concentrations of six elements. The source of the contamination is not readily evident, and the samples contained signficantly less sodium than the blank. Results for associated samples that are less than five times digestate level are to be considered as potential contamination, and results edited to nondetection ("U") at elevated reporting limits corresponding to the originally reported values. They are the following:

calcium in all soil boring samples except MW02-B-O
magnesium and sodium in all soil boring samples

Metals/cyanide matrix spike/duplicates of MW01 showed acceptable accuracy and precision. Those for cyanide of SP03-SED-O were acceptable. Those for metals/cyanide of TB05-DEF-O showed outlying recoveries for antimony (37%) and silver (62%). Results for those two analytes in the samples in SDG 61454 and 61696 are to be considered estimated ("J" or "UJ"). Duplicate correlations were within validation guidelines for that sample.

The matrix spike/duplicate of SP01-SED-O showed several outliers, particularly in that this sample was processed at dilution for several analytes due to interferences. Results for antimony in the samples in SDG 62268 are rejected ("R") due to lack of recovery of the spike or post-digest spike at \

concentrations up to 40 times the reporting limit. The silver spike was diluted out, and results should be used with caution due to lack of available evaluation. Results for the following analytes in the samples in SDG 62268 are to be qualified estimated ("J" or "UJ") due to outlying spike recoveries or duplicate correlations: cadmium, calcium, cobalt, copper, magnesium, mercury, nickel, and vanadium

The matrix spike/duplicate of SP05-SED-O showed several outliers, particularly in that this sample was processed at dilution for several analytes due to interferences. Results for antimony in the samples in SDG 62837 are rejected ("R") due to lack of recovery of the spike. The silver spike was diluted out, and results should be used with caution due to lack of available evaluation. Results for the following analytes in the samples in SDG 62837 are to be qualified estimated ("J" or "UJ") due to outlying spike recoveries: cadmium, chromium, and vanadium. Duplicate correlation was within validation guidelines.

Field duplicate correlation of the aqueous sample MW03-GW-OB-O was acceptable, with the exception of that for iron (57%RPD). Results for iron in the aqueous samples are therefore considered estimated ("J").

The preparation blank in SDG 61454 showed noncompliant low response for cadmium, and results for that element in samples MW04-BC-O, TB02-A/B-O, TB04-I/S-O, and TB05-DEF-O are qualified "J" or "UJ".

Chromium calibration blanks in that same group produced noncompliant responses, and chromium results for the affected associated samples MW04-BC-O, TB02-A/B-O and TB05-DEF-O are to be qualified estimated ("J").

Due to noncompliant low recovery (83%) for the associated calibration standard, the cyanide result for MW06-F-O is qualified estimated ("UJ"), with a low bias.

The results for silver in samples TB01-H-O and MW01-C-O, are to be qualified estimated ("J" and "UJ"), with a slight low bias, as indicated by low recoveries (70% and 62%) of the low concentration CRI standard. No corrective action was required of the laboratory.

Samples MW05-C-O, MW06-F-O, and MW04-BC-O were processed at the end of a sequence where the final CRI produced very poor (0-16%) recoveries. Although no corrective action was required of the laboratory, these failures indicate inadequate instrumental sensitivity for some of the reporting limits, mandating rejection ("R" qualifier) or estimation ("J") of the associated results. Therefore, the following sample results are to be qualified as indicated in those three samples:

antimony in all three samples, and cadmium in MW06-F-O, rejected
cadmium estimated in MW05-C-O and MW04-BC-O
beryllium, cobalt, copper, manganese, nickel, vanadium, and zinc estimated in all three samples

The serial dilution determination for TB04-I/S-O showed an outlying correlation for potassium (35%D). Results for potassium in the samples in SDG 61454 and 61696 are therefore considered estimated ("J") due to possible matrix effect.

The serial dilutions of MW03-GW-OB-FD and SP03-SED-O were acceptable.

Due to low post-digest spike recoveries, results for lead in TB05-DEF-O and selenium in MW06-F-O are considered estimated ("J" or "UJ").

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS-TB01	L62837-2	*					
FWS-MW05-OB-GW-0	L62837-4	*	*		*	*	
FWS-MW04-OB-GW-0	L62837-5	*	*		*	*	
FWS-TB02	L62837-6	*					
FWS-DR01-SED-0	L62837-8	*	*		*	*	
FWS-SP05-SED-0	L62837-9	*	*		*	*	
FWS-SP05-SED-0, L62837-9MS	L62837-10	*	*		*	*	
FWS-SP05-SED-0, L62837-9MSD/DUP	L62837-11	*	*		*	*	
FWS-TD01-SED-0	L62837-12	*	*		*	*	

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS-MW-01	L62573-2	*	*		*	*	
FWS-MW-01, L62573-2MS	L62573-3	*	*		*	*	
FWS-MW-01, L62573-2MSD/DUP	L62573-4	*	*		*	*	
TRIP BLANK #1	L62573-5	*					
HOLDING BLANK	L62573-6	*					
FWS-SS-01-STW-O	L62573-7	*	*		*	*	
FWS-MW03-GW-OB-O	L62573-8	*	*		*	*	
FWS-MW03-GW-OB-FD	L62573-9	*	*		*	*	
TRIP BLANK #2	L62573-10	*					

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS SP 01 SED 0	L62268-1	*	*		*	*	
FWS SP 01 SED 0, L62268-1MS	L62268-2	*	*		*	*	
FWS SP 01 SED 0, L62268-1MSD/DUP	L62268-3	*	*		*	*	
FWS SP 02 SED 0	L62268-4	*	*		*	*	
FWS SP 03 SED 0	L62268-5	*	*		*	*	
HOLDING BLANK	L62268-6	*					

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS-TP01-4	L61801-1		*	*			
FWS-TP01-4, L61801-1MS	L61801-2		*	*			
FWS-TP01-4, L61801-1MSD/DUP	L61801-3		*	*			
FWS-TP02-4	L61801-4		*	*			
FWS-TP03-1	L61801-5		*	*			
FWS-TP04-4	L61801-6		*	*			
FWS-TP05-1	L61801-7		*	*			
FWS-TP06-1	L61801-8		*	*			

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS-MW04-BC-0	L61696-1	*	*		*	*	

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS-TB01-H-O	L61454-1	*	*		*	*	
FWS-MW01-C-O	L61454-2	*	*		*	*	
HOLDING BLANK #1	L61454-3	*					
FWS-MW03-I-O	L61454-4	*	*		*	*	
FWS-MW02-B-O	L61454-7	*	*		*	*	
FWS-TB04-I/S-0	L61454-8	*	*		*	*	
FWS-TB02-A/B-0	L61454-9	*	*		*	*	
FWS-TB05-DEF-0	L61454-10	*	*		*	*	
FWS-TB05-DEF-0, L61454-10MS	L61454-11	*	*		*	*	
FWS-TB05-DEF-0, L61454-10MSD/DUP	L61454-12	*	*		*	*	
FWS-SS-RINSE	L61454-13	*	*		*	*	
TRIP BLANK	L61454-14	*					
FWS-MW05-C-O	L61454-15	*	*		*	*	
FWS-MW06-F-O	L61454-16	*	*		*	*	
HOLDING BLANK #2	L61454-17	*					

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FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineering**
Former Welch's Food Site
Sampled January 15, 2001

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

Two water site samples and three soil site samples were received on January 17, 2001, with ice. The temperature as received was 1°C.

Volatiles

Samples were analyzed by ASP method 95-1 for the Target Compound List using a five-milliliter purge volume.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for all site samples. One internal standard recovery was below the acceptance limit for two site samples: FWS-DR01-SED-0 and FWS-SP05-SED-0. The samples were re-analyzed with similar results. Matrix interference is suspected.

Site samples FWS-MW04-OB-GW-0 and FWS-SP05-SED-0 were spiked in duplicate. Recoveries were within acceptance limits.

Precision as indicated by RPD was within acceptance limits.

Two blank spikes were associated with the site samples. Blank spike recoveries were within acceptance limits.

Semivolatiles

Site samples were analyzed by ASP method 95-2 for the Target Compound List, using a two-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the undiluted site samples, with one exception. Site sample FWS-MW04-OB-GW-0 had one surrogate recovery below the acceptance limit. Since one surrogate is allowed to be out of limits, no action was taken.

All three soil site samples had two internal standard recoveries below the acceptance limit. Each sample was re-analyzed with similar results. Matrix interference is suspected.

Site sample FWS-SP05-SED-0 was spiked in duplicate. Recoveries were within acceptance limits, with one exception. Pyrene recovery was below the limit in both the MS and the MSD, but within limits for the associated blank spike. This compound was present in the site sample at more than four times the spiking level. The site sample was analyzed at a 1:5 dilution in order to quantify the Pyrene. The MS and MSD were analyzed without dilution and the Pyrene concentration was over the calibration curve.

Precision as indicated by RPD was within acceptance limits, with one exception. The RPD for Pyrene exceeded the limit, as already discussed above.

One water blank spike and one soil blank spike were associated with the site samples. Recoveries were within acceptance limits.

Pesticides/PCB

Site samples were analyzed by ASP method 95-3 for the Target Compound List, using a one-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were within limits for all site samples, with one exception. One surrogate recovery for site sample FWS-MW04-OB-GW-0 was slightly below the limit on both columns. Since these limits are advisory, no action was taken.

Site sample FWS-SP05-SED-0 was spiked in duplicate. Due to the level of PCB 1254 in the site sample, the MS and MSD were run at a 1:20 dilution. At this dilution level, the spiking compounds were diluted out. PCB 1254 concentrations in the site sample, MS, and MSD were comparable, at 19000, 11000, and 18000 µg/kg, respectively.

One water blank spike and one soil blank spike were associated with the site samples. Recoveries were within acceptance limits.

All three site samples were positive for PCB 1254. This was confirmed by second-column confirmation and GC/MS confirmation.

Metals

Samples were analyzed by Inductively Coupled Plasma Spectrometry, Cold Vapor AA, and Furnace AA.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

Cyanide is distilled by the Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

Site samples were spiked and duplicated for all metals, except minerals, by all methods reported. Five spike recoveries were outside of limits. If the sample level were more than four times the spiking level, no limit was applied.

The spike recoveries for Antimony, Cadmium, Silver, and Vanadium for site sample FWS SP05 SED 0 were outside of limits. The sample and spike results for these analytes were taken from a 1:20 dilution due to interference with Iron. The spike added was essentially diluted out of the spiked sample. Post spike recoveries were reported for Antimony, Cadmium, and Vanadium. The post spike was performed on the undiluted sample. The level of Iron in the post spike sample was so high that the interference corrections could not account for the interferences.

The spike recovery for Chromium for site sample FWS SP05 SED 0 was less than the limit of 75% at 59.6%. The post spike recovery is reported for this metal. Sample inhomogeneity is suspected.

Precision as indicated by RPD and absolute difference was within limits for all metals except eight. If the sample and duplicate results were greater than or equal to five times the CRDL, then the RPD should be less than 20%. If the sample or duplicate level were less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample and duplicate were less than the IDL, no limit was applied.

The limits for Aluminum, Calcium, Chromium, Cobalt, Magnesium, Manganese, Nickel, and Zinc for site sample FWS SP05 SED 0 were exceeded. Sample inhomogeneity is suspected.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by: Elizabeth A Keator

Date: February 21, 2001

Elizabeth A. Keator (Organics)
Quality Assurance

Miranda L. Druso

Date: February 26, 2001

Miranda L. Druso (Inorganics)
Quality Assurance

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FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineering**
Former Welch's Food Site
Sampled January 9-10, 2001

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

Four water site samples, plus a holding blank, two trip blanks and a matrix spike/matrix spike duplicate set, were received on January 11 and 12, 2001.

Volatiles

Samples were analyzed by ASP method 95-1 for the Target Compound List using a five-milliliter purge volume.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for all site samples.

Site sample FWS-MW-01 was spiked in duplicate. Recoveries were within acceptance limits.

Precision as indicated by RPD was within acceptance limits.

One blank spike was associated with the site samples. Blank spike recoveries were within acceptance limits.

Semivolatiles

Site samples were analyzed by ASP method 95-2 for the Target Compound List, using a two-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site samples, except for Terphenyl-d14 in site sample FWS-SS-01-STW-O. The sample was re-analyzed with similar results. Since each sample is allowed to have one surrogate out of limits within each fraction, no action was taken.

Site sample FWS-MW-01 was spiked in duplicate. Recoveries were within acceptance limits, except for 4-Nitrophenol recovery, which was above the limits in the MS and MSD. Since this compound was not detected in any of the site samples, no qualification was made.

Precision as indicated by RPD was within acceptance limits.

Two blank spikes were associated with the site samples. Recoveries were within acceptance limits, with two exceptions. The recoveries for 4-Nitrophenol and Pentachlorophenol were above the limit in the blank spike extracted on 1/16/01. Since neither 4-Nitrophenol nor Pentachlorophenol was detected in any of the associated site samples, no qualifications were made.

Pesticides/PCB

Site samples were analyzed by ASP method 95-3 for the Target Compound List, using a two-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were within limits for all site samples.

Site sample FWS-MW-01 was spiked in duplicate. Recoveries were within acceptance limits, with two exceptions. Dieldrin and Endrin in the MS were recovered below the acceptance limits. The Endrin in the MS appears to have broken down, as indicated by the presence of Endrin Ketone and Endrin Aldehyde. The recoveries of Endrin in the continuing calibration PEM before the MS, and of Endrin and Dieldrin in the continuing calibration INDA after the MS, as well as the MSD and blank spike, were within acceptance limits. It is suspected that an extraction or matrix problem, isolated to the MS of this sample, is the cause of the poor recovery in the MS.

Precision as indicated by RPD was not within acceptance limits. As detailed above, an extraction or matrix problem with the MS is suspected. Since no target compound was detected in any of the site samples, no qualification was made.

One blank spike was associated with the site samples. Recoveries were within acceptance limits.

Metals

Samples were analyzed by Inductively Coupled Plasma Spectrometry, Cold Vapor AA, and Furnace AA.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

Cyanide is distilled by the Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

Site sample FWS-MW-01 was spiked and duplicated for all metals, except minerals, by all methods reported. Spike recoveries were within limits. If the sample level were more than four times the spiking level, no limit was applied.

Precision as indicated by RPD was within limits for all metals. If the sample or duplicate level was less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample and duplicate were less than the IDL, no limit was applied.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported.

No other analytical difficulties were encountered.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by: Elizabeth A Keator

Date: February 9, 2001

Elizabeth A. Keator (Organics)
Quality Assurance

Miranda L. Druso

Date: February 5, 2001

Miranda L. Druso (Inorganics)
Quality Assurance

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FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineering**
Former Welch's Food Site
Sampled January 3, 2001

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

Three soil site samples, plus a holding blank and a matrix spike/matrix spike duplicate set, were received on January 5, 2001, with ice.

Volatiles

Samples were analyzed by ASP method 95-1 for the Target Compound List using a five-milliliter purge volume.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for all site samples. Two internal standards had recoveries below the acceptance limits for site sample FWS SP 03 SED 0. The sample was re-analyzed with similar results. Matrix interference is suspected.

Site sample FWS SP 01 SED 0 was spiked in duplicate. Recoveries were within acceptance limits.

Precision as indicated by RPD was within acceptance limits.

One blank spike was associated with the site samples. Blank spike recoveries were within acceptance limits.

Semivolatiles

Site samples were analyzed by ASP method 95-2 for the Target Compound List, using a two-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site samples. The recoveries for site sample FWS SP 03 SED 0 for every surrogate except Terphenyl-d14 were diluted out. Two internal standards had low recovery for site sample FWS SP 02 SED 0. The sample was re-analyzed with similar results. Matrix interference is suspected.

Site sample FWS SP 01 SED 0 was spiked in duplicate. Recoveries were within acceptance limits, with four exceptions.

The recovery for Pyrene was above the acceptance limit in both the MS and MSD, and the recovery for Acenaphthene was above the acceptance limit in the MSD. Both compounds were present in the site sample. Sample inhomogeneity is suspected.

The recovery for 4-Nitrophenol was non-existent in the MS, but within limits for the MSD and the blank spike. The low recovery is suspected to be due to an isolated extraction error caused by a possible active site in the GPC guard column.

Precision as indicated by RPD was within acceptance limits, with three exceptions, for the same reasons as detailed above.

One blank spike was associated with the site samples. Recoveries were within acceptance limits.

Pesticides/PCB

Site samples were analyzed by ASP method 95-3 for the Target Compound List, using a one-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were diluted out for all site samples due to a high level of PCB 1254.

Site sample FWS SP 01 SED 0 was spiked in duplicate. Due to the level of PCB 1254 in the site sample, the sample, MS, and MSD were run at a 1:20 dilution. At this dilution level, the spiking compounds were diluted out. PCB 1254 concentrations in the site sample, MS, and MSD were comparable, at 10000, 12000, and 12000 µg/kg, respectively.

One blank spike was associated with the site samples. Recoveries were above acceptance limits by 20% to 50% for each of the spiking compounds and the surrogates. The initial attempt to GPC the site samples and QC samples failed, due to clogging of the instrument. A second attempt was made with the remainder of the extract volume, which was successful. The extracts may have concentrated between the first and second GPC attempts. This effect was only observed in the blank spike. The recoveries in the GPC Pesticide Check, GPC PCB Check, and the method blank were all within limits. Site sample results should be considered as estimated, biased high.

All three site samples were positive for PCB 1254. This was confirmed by second-column confirmation and GC/MS confirmation.

Metals

Samples were analyzed by Inductively Coupled Plasma Spectrometry, Cold Vapor AA, and Furnace AA.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

Cyanide is distilled by the Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

Site samples were spiked and duplicated for all metals, except minerals, by all methods reported. Seven spike recoveries were outside of limits.

Sample and spike results for site sample FWS SP 01 SED 0 for Antimony, Cadmium, and Silver were taken from a 1:20 dilution due to interference with Iron. The spike added was essentially diluted out of the spiked sample. Post-spike recoveries were reported for Antimony and Cadmium.

Sample and spike results for site sample FWS SP 01 SED 0 for Cobalt, Nickel, and Vanadium were less than the limit of 75% at 73%, -74%, and 58%, respectively. Post-spike recoveries are reported for these three metals. Sample inhomogeneity is suspected.

The spike recovery for site sample FWS SP 01 SED 0 for Mercury was above the limit of 125% at 632%. Sample inhomogeneity is suspected.

More than half of the metals for site sample FWS SP 01 SED 0 had precision data outside of limits. Sample inhomogeneity is suspected. If the sample and duplicate results were greater than or equal to five times the CRDL, then the RPD should be less than 20%. If the sample or duplicate level were less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample and duplicate were less than the IDL, no limit was applied.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported. The result for the laboratory control sample for Cyanide batch 981 was less than the limit of 77.9 mg/kg at 34.5 mg/kg. Site sample FWS SP 03 SED 0 was reported from this batch to stay within holding time. The Cyanide result for site sample FWS SP 03 SED 0 should be considered biased low.

No other analytical difficulties were encountered.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by: Elizabeth A Keator

Date: February 16, 2001

Elizabeth A. Keator (Organics)
Quality Assurance

Miranda L. Druso

Date: February 6, 2001

Miranda L. Druso (Inorganics)
Quality Assurance

FLI
FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineers**
Former Welch Food Site
Sampled December 22, 2000

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

Volatiles

Samples were analyzed by EPA method 8021 for the STARS list using a five-milliliter purge volume.

RTx-VGC, 0.45mm ID, 75m column length capillary columns are used with a Waters Dimension 2 GC in combination with a Tracor 703 PID and a Tracor Hall 1000 Detector. A Tekmar 2016 is the autosampler used for this instrument. HP 3365 Series II Chemstation version A.03.34 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The PID alone was used for these samples to report the STARS compounds.

Surrogate recoveries were within acceptance limits for all site samples.

Two site samples were spiked in duplicate. Three separate aliquots of soil were used to prepare the sample spike and spike duplicate for site sample FWS-TP01-4, as is proper. The Methanol extract was spiked in duplicate for the second site sample, FWS-TP05-1. Recoveries were within acceptance limits.

Precision as indicated by RPD was within acceptance limits, with one exception. The RPD for Isopropylbenzene exceeded the limit of 10% at 11%. Since none of this analyte was detected in any site sample, no qualification was made.

One blank spike was associated with the site samples. Blank spike recoveries were within acceptance limits for all target compounds.

Semivolatiles

Site samples were analyzed for STARS parameters by EPA method 8270 using a one-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site samples, with two exceptions. The recoveries of one surrogate for site sample FWS-TP05-1 and a re-

analysis of site sample FWS-TP06-1RE were above the limit. Each of these site samples had at least one internal standard out of limits also, due to suspected matrix interference. The reported analysis for site sample TP06-1 also had one internal standard out of limits along with TP03-1. The results associated with the internal standards that were out of limits should be considered usable estimates, due to suspected matrix interference.

Site sample TP-01-4 was spiked in duplicate. The sample MS and MSD were analyzed at a 1:10 dilution to avoid shutting down the mass spectral detector. Many recoveries exceeded the limits, due to the dilution and the high level of target compounds in the original sample.

One blank spike was associated with the site samples. Recoveries were within acceptance limits.

No other analytical difficulties were encountered.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by: Teresa B. Bishop

Date: January 17, 2001

Teresa B. Bishop
Quality Assurance

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FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineers**
200403 Former Welch Food Site
Sampled December 21, 2000

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

One site sample was received on December 26, 2000. The cooler was received at the lab director's house on December 23 and placed in locked storage in the walk-in cooler at the lab unopened. The cooler temperature was 4°C.

Volatiles

One soil sample was analyzed by NYSDEC ASP method 95-1 for the Target Compound List using a five-milliliter purge volume.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site sample.

One blank spike was associated with the site samples. Blank spike recoveries were within acceptance limits.

There were ten low level positive results in the method blank for this run since the method bank was analyzed right after the 200 calibration standard. Since there were no detects above the CRDL in the site sample, no action was taken.

Semivolatiles

One site sample was analyzed for the Target Compound List by NYSDEC ASP 95-2 using a two-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site sample.

Site sample MW04-BC-0 was spiked in duplicate. Recoveries were within acceptance limits. Precision as indicated by RPD was within acceptance limits.

One blank spike was associated with the site samples. Recoveries were within or slightly above the acceptance limits. Since there were no positive results above the CRDL, no qualification was made.

Pesticides/PCB

One soil site sample was analyzed for Pesticides/PCB using NYSDEC ASP 95-3 with a one-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were within limits for the site sample.

One site sample was spiked in duplicate. Recoveries were within acceptance limits. Precision as indicated by RPD was within limits.

One Pesticide blank spike was associated with the site sample. Recoveries were within the acceptance limits.

Metals

Samples were analyzed by Inductively Coupled Plasma Spectrometry, Furnace AA and Cold Vapor AA.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

The Cyanide distillation uses a Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

The final CRI was not acquired because the solution ran out.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported.

No other analytical difficulties were encountered.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by: Teresa B. Bishop

Date: January 19, 2001

Teresa B. Bishop
Quality Assurance

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FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineers**
200403 Former Welch Food Site
Sampled December 18-21 & 26, 2000

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

Site samples were received two days after sampling. The cooler temperatures were between 0°C and 6°C.

Volatiles

Nine soil samples, one trip blank, one rinse blank and two holding blanks were analyzed by NYSDEC ASP method 95-1 for the Target Compound List using a five-milliliter purge volume.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site samples. The last internal standard recovery for site sample TB02-A/B-0 was below the limit. The sample was reanalyzed with all four internal standards out of limits. The better of the two analyses was reported. Matrix interference is suspected.

Two site samples were spiked in duplicate. Spike recoveries were within acceptance limits. Precision as indicated by RPD was within limits.

Three blank spikes were associated with the site samples. Blank spike recoveries were within acceptance limits.

There were several low-level positive results in two method blanks since the method blanks were analyzed right after the 200 calibration standard. Since there were no detects above the CRDL in the associated site samples, no action was taken.

Semivolatiles

Nine soil site samples and a Rinse blank were analyzed for the Target Compound List by NYSDEC ASP 95-2 using a two-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP

Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site samples. One internal standard recovery for site sample MW02-B-O was slightly below the limit. This sample was re-analyzed with similar results. The results associated with the last internal standard should be considered usable estimates due to matrix interference.

Site sample TB05-DEF-0 was spiked in duplicate. Recoveries were within acceptance limits, with one exception. The recoveries of N-Nitrosodi-n-propylamine in the MS, MSD, and associated blank spike SBLKMS86 were below the limit of 41%. Results for the three-associated site samples, TB04-I/S-0, TB05-DEF-0, and TB02-A/B-0DL, should be considered usable estimates. Precision as indicated by RPD was within acceptance limits, with the same exception as detailed above. The RPD for N-Nitrosodi-n-propylamine exceeded the limit of 38% at 49%.

Four blank spikes were associated with the site samples. Recoveries were within or slightly above the acceptance limits, with one exception as discussed above. The high recoveries in the blank spikes were not associated with the PAH compounds. Since there were no positive results above the CRDL, except for PAH, no qualification was made.

Pesticides/PCB

Nine soil site samples were analyzed for Pesticides/PCB using NYSDEC ASP 95-3 with a one-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were within or above limits for the site samples. Since there were no positive results reported for any site sample, no qualification was made. Three extracts were diluted 1:10 before analysis, due to color in the extract.

One site sample, TB05-DEF-0, was spiked in duplicate. Recoveries were within acceptance limits. Precision as indicated by RPD was within limits.

Four Pesticide blank spikes were associated with the site sample. Recoveries were within or above the acceptance limits. Since no pesticides were detected in the site samples, no qualification was made.

Metals

Samples were analyzed by Inductively Coupled Plasma Spectrometry, Furnace AA, Cold Vapor AA and Automated Spectroscopy.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

The Cyanide distillation uses a Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

Site sample TB05-DEF-0 was spiked and duplicated for all metals, except minerals, by all methods reported. If the sample level was more than four times the spiking level, no limit was applied. Recoveries were within limits with two exceptions. The recovery of Antimony and Silver were below the limit. Post spike recoveries are reported for these metals. The results for Antimony and silver should be considered usable estimates.

Precision as indicated by RPD was within limits for all metals, with two exceptions. If the sample or duplicate level was less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample or duplicate was less that the CRDL, no limit was applied. Manganese and Mercury exceeded the limit. Results for these two metals should be considered usable estimates.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported. Three ICV recoveries for Cyanide were outside the limits.

The recovery of ICV 967 was above the limit of 115% at 116%. This ICV was associated with three samples, all non-detected for Cyanide, and a matrix spike. No further action was taken.

The recovery for ICV 972 was above the limit of 115% at 128%. This ICV brackets the curve from which a sample, L61454-16, is reported as non-detected for Cyanide. This sample is also associated with ICV 975. The recovery for ICV 975 is 83%, below the limit of 85%. The LCSS for this soil sample was within the limits of 77.9-223 mg/kg at 79.3 mg/kg. The result of non-detected for Cyanide for site sample L61454-16 was accepted based on the LCSS recovery.

No other analytical difficulties were encountered.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by: Teresa B. Bishop

Date: January 24, 2001

Teresa B. Bishop
Quality Assurance

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
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October 26, 2001

William Czelusta
TVGA Engineering
1000 Maple Rd.
Elma, NY 14059

RE: Validation of Former Welch Food Site Data Packages
FLI Report No. 73859

Dear Mr. Czelusta:

Review has been completed for the data package generated by Friends Laboratories, Inc. which pertains to samples collected at the Former Welch Foods site 8/1/01. Two soil samples, one filtered aqueous sample, and a pump rinse were processed for TAL Metals/CN. One soil sample was processed for full TCL/TAL analytes. Methodologies utilized are those of the NYSDEC 1995 ASP CLP.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA Region 2 SOPs HW-2 and HW-6. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Method Compliance
* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, results for most target analytes are usable as reported, or with minor qualification as estimated due to typical matrix effects or processing variances. These issues are discussed in the following analytical sections.

Attached to this report are copies of sample identification and analysis requirement summary forms and laboratory case narratives.

All sample IDs noted below also include the prefix "FWS-".

Data Completeness

Data packages were to have been generated according to the NYSDEC ASP deliverables requirements. However, data summary packages including sample results report Forms I for all analyses were not provided. The summary of results provided in the packages reflect combined results in the case of multiple analyses of a sample fraction. These summarized results also do not include many of the laboratory flags required of the ASP reporting. This report cites the validation edits and qualifiers based upon all analyses performed, for application to results of the laboratory summary forms.

Volatile Analyses by 95-1

As indicated by presence in the associated method blanks, detections of chloromethane, toluene, and chlorobenzene are considered contamination in SS0-01-SED-O, and should be edited to nondetection at the CRDL ("9U").

Matrix spikes of SS0-01-SED-O showed acceptable accuracy and precision.

Holding times, instrumental tunes, internal and surrogate standard recoveries, and blank responses were within required limits, with the exception of outliers of one internal standard in the matrix spikes; sample results were acceptable, and no qualification is noted.

Due to a low response in the daily calibration standard, the results for bromoform (39%D) is estimated in the samples ("UJ").

Semivolatile Analyses by 95-2

The reported values for those analytes flagged in the initial analyses as "E" by the laboratory should be derived from the dilution analyses for the project sample. All other analyte results for those samples can be used from the initial, less diluted run.

Due to low matrix effect causing low response in two internal standard responses, the results for pyrene, butylbenzylphthalate, 3,3'-dicholorobenzidine, benzo(a)anthracene, bis(2-ethyolhexyl)phthalate, chrysene, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene in SS0-01-SED-O are to be qualified estimated ("J" and "UJ").

Matrix spikes were not performed on the sample. The associated spiked blank showed one elevated recovery for an analyte not detected in the sample. Results are unaffected.

The detection of bis(2-ethylhexyl)phthalate in the sample is to be edited to nondetection ("U") at the CRDL due to copresence in the associated method blank.

Calibration standards met protocol requirements, and no additional qualifications to data are noted.

Holding times, instrumental tunes, internal and surrogate standard recoveries, and blank responses were within required limits, with the exception of the internal standard outliers noted above.

TICs flagged with the "B" flag should be rejected from consideration as sample components due to presence in associated blanks.

TCL Pesticide/PCB Analyses by 95-3

Surrogate and spiked blank recoveries, and blank responses were acceptable. System performance was within protocol and validation requirements, and reported results are substantiated by the raw data.

TAL Metals/CN

Due to copresence at 22.6 ug/L in the associated pump rinse blank, the detection of zinc in MW04-OB-GW-RS is considered contamination, and the result edited to nondetection ("U") at the originally reported value.

The cyanide results for all four project samples are to be qualified estimated ("J") due to outlying holding time (13 days from VTSR, one day beyond the allowable method and technical holding times). Additionally, two of the associated calibration standards showed elevated recoveries (117% and 119%).

The results for silver in 37 Main-S-O are to be qualified estimated ("J") due to elevated recoveries (134% and 136%) in the low concentration CRI standard. No corrective action was required of the laboratory.

Due to low recovery (44%) in the matrix spike of 37 Main-S-O, results for antimony in the soil project samples are to be qualified estimated ("J" and "UJ"). Duplicate correlations were within validation guidelines.

The serial dilution determination for SS0-01-SED-O was acceptable.

Due to low post-digest spike recovery (69%), results for selenium in SS0-01-SED-O are considered estimated ("UJ").

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
FWS-PUMP RINSE	L73859-1					*	
FWS-37 MAIN-S-0	L73859-2					*	
FWS-37 MAIN-S-0, L73859-2MS	L73859-3					*	
FWS-37 MAIN-S-0, L73859-2MSD/DUP	L73859-4					*	
FWS-SS0-01-SED-0	L73859-5	*	*		*	*	
FWS-12 HARMON-S-0	L73859-6					*	
FWS-MW04-OB-GW-RS	L73859-7					*	
FWS-MW04-OB-GW-RS, DISSOLVED	L73859-8					*	
HOLDING BLANK	L73859-9	*					

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FRIEND LABORATORY I · N · C

Laboratory Validation and Usability Assessment

Project: **TVGA Engineering**
Former Welch Foods Site 200403
Sampled August 1, 2001

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

One water site sample, three soil site samples, a rinse blank, and a holding blank were received on August 3, 2001, with ice. The temperature as received was 2°C.

Volatiles

Soil site sample FWS-SS0-01-SED-0 and the holding blank were analyzed by ASP method 95-1 for the Target Compound List using a five-milliliter purge volume.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site sample and the holding blank.

The site sample was spiked in duplicate. Recoveries were within acceptance limits.

Precision as indicated by RPD was within acceptance limits.

One blank spike was associated with the site samples. Blank spike recoveries were within acceptance limits.

Every target analyte except Chloroethane was detected in the method blank, and all surrogate recoveries were above the acceptance limits. Purge tube contamination is suspected. None of the analytes detected in the method blank were detected in the holding blank, and no qualification was made for this sample. Three compounds were detected in the site sample, below the CRDL: Chloromethane, Toluene, and Chlorobenzene. Site sample results for these three compounds have been flagged with a "B" to indicate possible laboratory contribution.

Semivolatiles

Soil site sample FWS-SS0-01-SED-0 was analyzed by ASP method 95-2 for the Target Compound List, using a two-microliter injection.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site sample, with one exception. One base-neutral surrogate recovery was slightly above the acceptance limit. Since one surrogate is allowed to be out of limits within each fraction, no qualification was made.

The site sample had low recoveries for the last two internal standards. The site sample was re-analyzed with similar results. Site sample results associated with these two internal standards should be considered as estimated. Matrix interference due to the presence of coal tar is suspected.

One soil blank spike was associated with the site sample. Blank spike recoveries were within acceptance limits.

Pesticides/PCB

Soil site sample FWS-SS0-01-SED-0 was analyzed by ASP method 95-3 for the Target Compound List, using a one-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were within limits for the site sample, with one exception. One surrogate recovery for the site sample was above the limit. Since no target compounds were detected in the site sample, no qualification was made.

One soil blank spike was associated with the site sample. Blank spike recoveries were within acceptance limits.

Metals

Samples were analyzed by Inductively Coupled Plasma Spectrometry, Furnace AA, Cold Vapor AA, and Automated Spectrophotometry.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

Cyanide is distilled by the Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

Site sample FWS-37 MAIN-S-0 was spiked for all metals reported, except minerals, by all methods reported. If the sample level was more than four times the spiking level, no limit was applied. Spike recoveries were within limits, with one exception.

The spike recovery for Antimony for site sample FWS-37 MAIN-S-0 was below the limit of 75% at 43.7%. A post spike recovery is reported for this metal. It is suspected that Antimony may have volatilized during the digestion.

Site sample FWS-37 MAIN-S-0 was duplicated for all metals reported by all methods reported. Precision as indicated by RPD and absolute difference was within limits for all metals except one. If the sample and duplicate results were greater than or equal to five times the CRDL, then the RPD should be less than 20%. If the sample or duplicate level was less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample and duplicate were less than the IDL, no limit was applied.

The RPD between the sample and duplicate for Manganese for site sample FWS-37 MAIN-S-0 exceeded the limit of 20% at 38.2%. Sample inhomogeneity is suspected.

A serial dilution analysis was performed on site sample FWS SS0-01-SED-0 for all metals reported by ICP. If the sample concentration was a factor of 50 above the IDL, then the percent difference between the sample and dilution should be less than 10%. Percent differences were below the limit of 10%.

Recoveries of laboratory control samples were within acceptance limits for all metals.

The closing calibration blank for Cyanide (run 01-034-43) was not run after site sample FWS-PUMP RINSE. Since the Cyanide result for site sample FWS-PUMP RINSE was less than the CRDL, indicating that there was no system contamination, no qualification was made.

Cyanide calibration verification samples CCV1 and CCV2 (run 01-034-44) were slightly above the limit of 115%, at 117.3% and 118.6%, respectively. The samples bracketed by these calibration verification samples were quality control samples ICV 125 and PBW 125. Since the result for ICV 125 was within acceptance limits and the result for PBW 125 was less than the CRDL, no qualification of site samples was made.

Site samples FWS-37 MAIN-S-0, FWS-SSO-01-SED-0, FWS-12 HARMON-S-0, and FWS-MW04-OB-GW-RS were analyzed for Cyanide one day past the ASP holding time of 12 days due to laboratory oversight.

No other analytical difficulties were encountered.

Usability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and
Usability assessment conducted by:

Elizabeth A Keator

Date: September 17, 2001

Elizabeth A. Keator (Organics)
Quality Assurance

Miranda L. Druso

Date: September 17, 2001

Miranda L. Druso (Inorganics)
Quality Assurance

APPENDIX G

PRE-DEMOLITION ASBESTOS SURVEY REPORT

PRE-DEMOLITION SURVEY

FOR

ASBESTOS-CONTAINING MATERIALS

AT THE

FORMER WELCH FOODS SITE
(NYSDEC SITE NO. B00147-9)
54 WEST MAIN STREET
VILLAGE OF BROCTON
CHAUTAUQUA COUNTY, NEW YORK

FEBRUARY 2001

Prepared For:

TVGA ENGINEERING, SURVEYING, P.C.
ONE THOUSAND MAPLE ROAD
ELMA, NEW YORK

Prepared By:

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK

TABLE OF CONTENTS

DISCLAIMER

This report is based primarily on the results of visual site observations, laboratory analysis of suspect asbestos-containing materials, and a general survey of the conditions at the former Welch Foods Site (NYSDEC No. B00147-9) located at 54 West Main Street in the Village of Brocton, Chautauqua County, New York.

The building was vacant at the time of the field work. The building had been used as a fruit juice processing and storage facility. The portion of the building that Watts Engineers inspected encompasses approximately 76,000 square feet and is in a deteriorated state. Several major roof sections have collapsed. Areas of the building that were restricted or unsafe were not inspected, according to the direction provided by TVGA. Restricted areas mainly consisted of the storage tank rooms which housed several concrete encased stainless steel tanks.

Field work was performed between January 3 and 17, 2001 by Watts Engineers personnel. Some destructive sampling techniques were employed by Watts Engineers for the purposes of this survey.

At the time the field work was performed, there was no electricity or heat within the building. Furthermore, most of the windows were covered with plywood, therefore, the inside of the building was dark with very little natural light. Throughout the field work, Watts Engineers personnel utilized flashlights for lighting.

Watts Engineers attempted to estimate the quantity of the asbestos-containing roofing materials and the pipe insulation debris on the floors throughout the interior of the building. The quantities provided in this report are estimates. At the time of this report, there were no full size, to scale floor plans available to obtain measurements.

1.0 - EXECUTIVE SUMMARY

1.0 EXECUTIVE SUMMARY

Edward O. Watts, P.E., P.C. (Watts Engineers) was retained by TVGA Engineering, Surveying, P.C. to perform a pre-demolition survey for asbestos-containing materials (ACM) within a portion of the structure referred to as the Former Welch Food Site (NYSDEC No. B00147-9) located at 54 West Main Street in the Village of Brocton in Chautauqua County, New York. The section of the building inspected consisted of approximately 76,000 square feet and was in a deteriorated condition with several major roof sections having collapsed.

This asbestos pre-demolition survey is consistent with the requirements outlined in the New York State Department of Labor (NYSDOL) Industrial Code Rule 56 which requires an asbestos building survey and asbestos abatement be performed prior to advertising for bids or contracting for demolition work. The purpose of the pre-demolition survey was to determine the presence, location and quantity of ACM within the building.

The field work for the survey was conducted between January 3 and 17, 2001 and included the following:

- A visual site inspection to identify suspect ACM.
- A review of available records and drawings to identify suspect ACM.
- Collection and laboratory analysis of samples from each suspect material for asbestos content.
- Documentation of sample locations on floor-plan drawings and chain-of-custody forms.
- Photographs of existing building conditions and of suspect ACM.

SAMPLING AND LABORATORY METHODOLOGY

A NYSDOL certified asbestos inspector from Watts Engineers collected bulk samples of suspect asbestos-containing materials. Bulk samples were collected on January 3 and 17, 2001. Bulk samples were collected using simple hand tools from each matrix identified as a potential ACM. A minimum of two samples were collected for each homogeneous material with the exception of the roofing material. Only one sample of each distinct roofing material was collected due to the limited access and the inability to visually observe the different roofing materials as a result of the snow cover. Thermal system materials were sampled in triplicate and surfacing materials (i.e., plaster, etc.) were collected in triplicate or greater depending on the square footage of the surfacing material, as per OSHA 29 CFR 1926.1101,k.

Samples were delivered with the proper chain-of-custody forms to an accredited laboratory. All materials except non-friable organically bound (NOB) materials were analyzed using Polarized Light Microscopy (PLM). NOBs, which include but are not limited to, roof flashing, mastics, window caulks, and floor tiles were analyzed by Transmission Electron Microscopy (TEM). This is in accordance with the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) which requires analysis by TEM if the PLM analysis does not confirm the presence of asbestos. In this instance, the laboratory was instructed to proceed directly with TEM analysis for all NOB materials to decrease turnaround time.

ASBESTOS-CONTAINING MATERIALS

The inspection included the collection and laboratory analysis of ninety six (96) bulk samples. Several different ACMs have been identified. Any sample is considered to contain asbestos if the asbestos concentration is greater than one percent (1%). Refer to the Summary of Asbestos-Containing Materials in Section 2.0 for a complete list of identified ACM.

There was approximately 8 to 12 inches of snow on the ground and covering the roofs during the site visits. Watts Engineers observed the interior of the building to be in poor condition with flaking and peeling paint and debris scattered on the floor throughout the building. In addition, major roof sections have caved-in. Watts Engineers was informed by TVGA personnel that certain sections of the buildings were not to be entered because they had been determined to be unsafe as a result of being structurally unsound. Therefore, Watts Engineers personnel did not attempt to collect roof samples other than what could be obtained on the ground from portions of the caved-in roofs or by working on a ladder from around the perimeter of the building.

Watts Engineers was able to collect nine roof samples and three roof flashing samples. Four of the nine roof samples were asbestos-containing. Two of the three flashing samples were asbestos-containing. In addition, the sealant on the parapet cap around the perimeter of the roof and the black sealant on the bricks in various areas around the perimeter of the roof is asbestos-containing. At this time, we recommend that the entire roof should be handled as ACM since the different roof levels and materials can not be properly delineated due to the unsafe condition of the roofs.

As the survey progressed, Watts Engineers discovered that most of the floor spaces throughout the building were covered with various debris. This debris consisted of asbestos-containing pipe insulation, paint chips, rust, wood, roofing material, and general debris from the former building occupants. Testing of the insulation remaining on the pipes indicate that it is asbestos-containing. Six samples of the insulation scattered throughout the building on the floor were collected and analyzed. Five of these samples contain asbestos. This would indicate that the entire floor areas are contaminated with ACM. Therefore, all debris on the floor should be removed and disposed of as ACM.

Floor-plan drawings indicating approximate bulk sample locations can be found in Section 2.0. Laboratory results and chain-of-custody forms can be found in Section 3.0. Copies of the

laboratory's accreditation can be found in Section 4.0. Copies of Watts Engineers' Asbestos Handling License and the Asbestos Building Inspector's certification can be found in Section 5.0. Refer to the appropriate sections for this information.

2.0 - SUMMARY OF FINDINGS

2.0 SUMMARY OF FINDINGS

This section includes a Summary of Identified ACM, a Homogeneous Materials List, and a floor-plan drawing for each area of the building that was inspected. The Summary of Identified ACM indicates the type, location, and amount of ACM identified in each area of the building. The Homogeneous Materials List includes the suspect homogeneous materials identified, their corresponding sample numbers and whether or not they are ACM.

Approximate bulk sample locations are indicated on floor-plan drawings.

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

FORMER WELCH FOODS SITE (NYSDEC NO. B00147-9)
54 WEST MAIN STREET
VILLAGE OF BROCTON, CHAUTAUQUA COUNTY, NEW YORK

IDENTIFIED ACM	LOCATION	APPROXIMATE QUANTITY
Boiler Insulation	In Boiler Room (Boilers #1 and #2)	960 square feet
Boiler Insulation	Boiler #3	260 square feet
Hot Water Tank Insulation	Bottom of Stairs by West Entrance	420 square feet
Pipe Insulation (Includes Mag, Aircell, and Cork Mastic)	Throughout Entire Building	1,800 linear feet
Duct Insulation	Second Floor Warehouse and Bottling Room	2,330 square feet
Floor Tile	Second Floor Office Area	1,410 square feet
Floor Tile Mastic *	Second Floor Office Area	1,765 square feet
Window Caulk	Perimeter of All Windows	50 windows
Caulk Around Louvers	Perimeter of All Louvers	5 louvers
Tar Paper on Section of Wall	West of Tank # 11	4 square feet
Fire Door	Second Floor Stairwell	1 door
Roofing ** Built-up/Rolled/Tars	Entire Roof (Includes all Roof Levels)	60,000 square feet
Roof Flashing and all Associated Mastics	Perimeter of Entire Roof (Includes all Roof Levels)	2,500 square feet
Sealant on Parapet Caps	On Parapet Walls	350 linear feet
Black Sealant on Bricks	On Parapet Walls	1,000 square feet
Debris on Floor ***.	Throughout Entire Building	60,000 square feet

* Some floor tile has been removed, however, the floor tile mastic remains. Therefore, the quantity of floor tile mastic is greater than the quantity of floor tile.

** For the purpose of this report, all roof levels are considered asbestos-containing.

*** For the purpose of this report, all debris on the floors is considered asbestos-contaminated.

HOMOGENEOUS MATERIALS LIST FOR ASBESTOS-CONTAINING MATERIALS

FORMER WELCH FOODS SITE
(NYSDEC NO. B00147-9)
54 WEST MAIN STREET
VILLAGE OF BROCTON
CHAUTAUQUA COUNTY, NEW YORK

Material Description	HM #	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
					PLM	TEM	Y/N
Hot Water Tank Insulation	1	Bottom of Stairs by West Entrance	T	Y1003-01 Y1003-02 Y1003-03	67% chry. 67% chry. 80% chry.	NA NA NA	Y
Pipe Insulation	2	Room with Two Boilers (Typical Throughout Building)	T	Y1003-04 Y1003-05 Y1003-06	ND ND <1% chry. 44% amo.	NA NA NA	Y
Boiler Insulation (Red Material)	3	Inside Boiler #1 on Ceiling	T	Y1003-07 Y1003-08 Y1003-09	ND ND ND	NA NA NA	N
Boiler Insulation (Red Material)	4	Inside Boiler #1 on Floor	T	Y1003-10 Y1003-11 Y1003-12	ND ND ND	NA NA NA	N
Boiler Insulation Gray - Fluffy	5	Around Doors to Boilers	T	Y1003-13 Y1003-14 Y1003-15	67% chry. 33% chry. 67% chry.	NA NA NA	Y
Boiler Insulation Gray - Hard	6	On Boiler Door #2	T	Y1003-16 Y1003-17 Y1003-18	67% chry. 80% chry. 80% chry.	NA NA NA	Y
Boiler Insulation Gray	7	Boiler Door #2	T	Y1003-19 Y1003-20 Y1003-21	ND ND ND	NA NA NA	N
Boiler Insulation	8	Boiler #3	T	Y1003-22 Y1003-23 Y1003-24	10% chry. 30% amo. <1% chry. 40% amo. <1% chry. 57% amo.	NA NA NA	Y
Pipe Insulation (Cardboard Material)	9	Machine Shop	T	Y1003-25 Y1003-26 Y1003-27	NA NA NA	46% chry. 46% chry. 38% chry.	Y

HOMOGENEOUS MATERIALS LIST FOR ASBESTOS-CONTAINING MATERIALS (continued)

FORMER WELCH FOODS SITE
(NYSDEC NO. B00147-9)
BROCTON, NEW YORK

Material Description	HM #	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
					PLM	TEM	Y/N
Cork Insulation Mastic	10	Machine Shop Hallway Outside Tank Room #4	M	Y1003-28	NA	NAD	Y
				Y1003-79	NA	NON-ACM	
		Compressor Room		Y1003-80	NA	2% chry.	
Tar Paper	11	On Walls Between Storage Area and Tanks	M	Y1003-29	NA	1.2% chry.	Y
Black Insulation Material	12	Wall By Tanks #36 and #40	M	Y1003-30	ND	NA	N
				Y1003-54	ND	NA	
White Sealant on Black Insulation	13	Wall By Tanks #36 and #40	M	Y1003-31	NA	NAD	N
				Y1003-55	NA	NAD	
Black Mastic Behind Cork Insulation	14	Wall By Tank #33	M	Y1003-32	NA	NAD	N
				Y1003-56	NA	NON-ACM	
		Wall By Tank #10		Y1003-82	NA	NON-ACM	
Duct Insulation	15	Near Bottling Room - 2nd Floor	M	Y1003-33	67% chry.	NA	Y
				Y1003-34	80% chry.	NA	
12" x 12" Perforated Ceiling Tile	16	Bottling Room 2nd Floor	M	Y1003-35	ND	NA	N
				Y1003-36	ND	NA	
Ceramic Tile Mastic	17	Bottling Room 2nd Floor	M	Y1003-37	NA	NAD	N
				Y1003-38	NA	NAD	
9" x 9" Floor Tile	18	Laboratory and Office Areas 2nd Floor	M	Y1003-39	NA	51% chry.	Y
				Y1003-40	NA	41% chry.	
Floor Tile Mastic	19	Laboratory and Office Areas 2nd Floor	M	Y1003-41	NA	6.1% chry.	Y
				Y1003-42	NA	14% chry.	

HOMOGENEOUS MATERIALS LIST FOR ASBESTOS-CONTAINING MATERIALS (continued)

FORMER WELCH FOODS SITE
(NYSDEC NO. B00147-9)
BROCTON, NEW YORK

Material Description	HM #	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
					PLM	TEM	Y/N
Plaster	20	Various Areas Throughout Building	S	Y1003-43 Y1003-44 Y1003-45 Y1003-52 Y1003-53 Y1003-70 Y1003-72	ND ND ND ND ND ND ND	NA NA NA NA NA NA NA	N
Insulation Above Ceilings	21	Office Area 2nd Floor	M	Y1003-46 Y1003-47	ND ND	NA NA	N
Window Glazing Compound	22	All Windows Throughout Building Are Typical	M	Y1003-48 Y1003-49 Y1003-69	NA NA NA	<1% chry. <1% chry. NAD	N
Window Caulk	23	All Windows Throughout Building Are Typical	M	Y1003-50 Y1003-51 Y1003-68	NA NA NA	3.2% chry. <1% anth. 2.9% chry. 0.59% anth. NAD	Y
Rolled Roofing With Sealant	24	South of Bottling Room (Caved-in Roof)	M	Y1003-57	NA	19% chry.	Y
Built-up Roofing	25	Warehouse Roof (Caved-in Roof)	M	Y1003-58 Y1003-60	NA NA	1.4% chry. 1.3% chry.	Y
Tar Paper	26	Warehouse Roof (Caved-in Roof)	M	Y1003-59 Y1003-61	NA NA	NAD NAD	N
Red Siding Above Warehouse	27	South of Bottling Room	M	Y1003-62	NA	NAD	N
Built-up Roofing	28	South of Bottling Room	M	Y1003-63	NA	NAD	N
Roof Flashing	29	Near Door Leading to Roof on NW Penthouse	M	Y1003-64	NA	23% chry.	Y
Door Caulk	30	Near Door Leading to Roof on NW Penthouse	M	Y1003-65	NA	NAD	N

HOMOGENEOUS MATERIALS LIST FOR ASBESTOS-CONTAINING MATERIALS (continued)

FORMER WELCH FOODS SITE
(NYSDEC NO. B00147-9)
BROCTON, NEW YORK

Material Description	HM #	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
					PLM	TEM	Y/N
Built-up Roofing	31	South of Machine Shop (Caved-in Roof)	M	Y1003-66	NA	0.19% chry.	N
Caulk Around Louver	32	West End Of Building By Boiler Rooms	M	Y1003-67	NA	4.8% chry.	Y
Built-up Roofing	33	On Floor of Storage Room West of Warehouse	M	Y1003-71	NA	3.5% chry.	Y
Insulation Inside Door	34	Door Near Tank #11	M	Y1003-73	ND	NA	N
Pipe Insulation Debris on Floor	35	Throughout Building	M	Y1003-74 Y1003-75 Y1003-76 Y1003-77 Y1003-78 Y1003-81	<1% chry. 40% amo. 22% amo. 31% amo. 44% chry. ND 80% chry.	NA NA NA NA NA NA	Y
Black Coating on Wall	36	Walls of Old Boiler Room	M	Y1003-83	NA	NAD	N
Insulation Inside Door	37	Second Floor Stairway	M	Y1003-84	57% chry.	NA	Y
Roof Flashing	38	Roof Over Boiler Room	M	Y1003-85	NA	NAD	N
Felt Paper	39	Roof Over Boiler Room	M	Y1003-86	NA	NAD	N
Sealant on Parapet Cap	40	Perimeter Cap Around Main Building Roof	M	Y1003-87	NA	23% chry.	Y
Built-up Roofing	41	Roof Over Main Building	M	Y1003-88	NA	NAD	N

HOMOGENEOUS MATERIALS LIST FOR ASBESTOS-CONTAINING MATERIALS (continued)

FORMER WELCH FOODS SITE
(NYSDEC NO. B00147-9)
BROCTON, NEW YORK

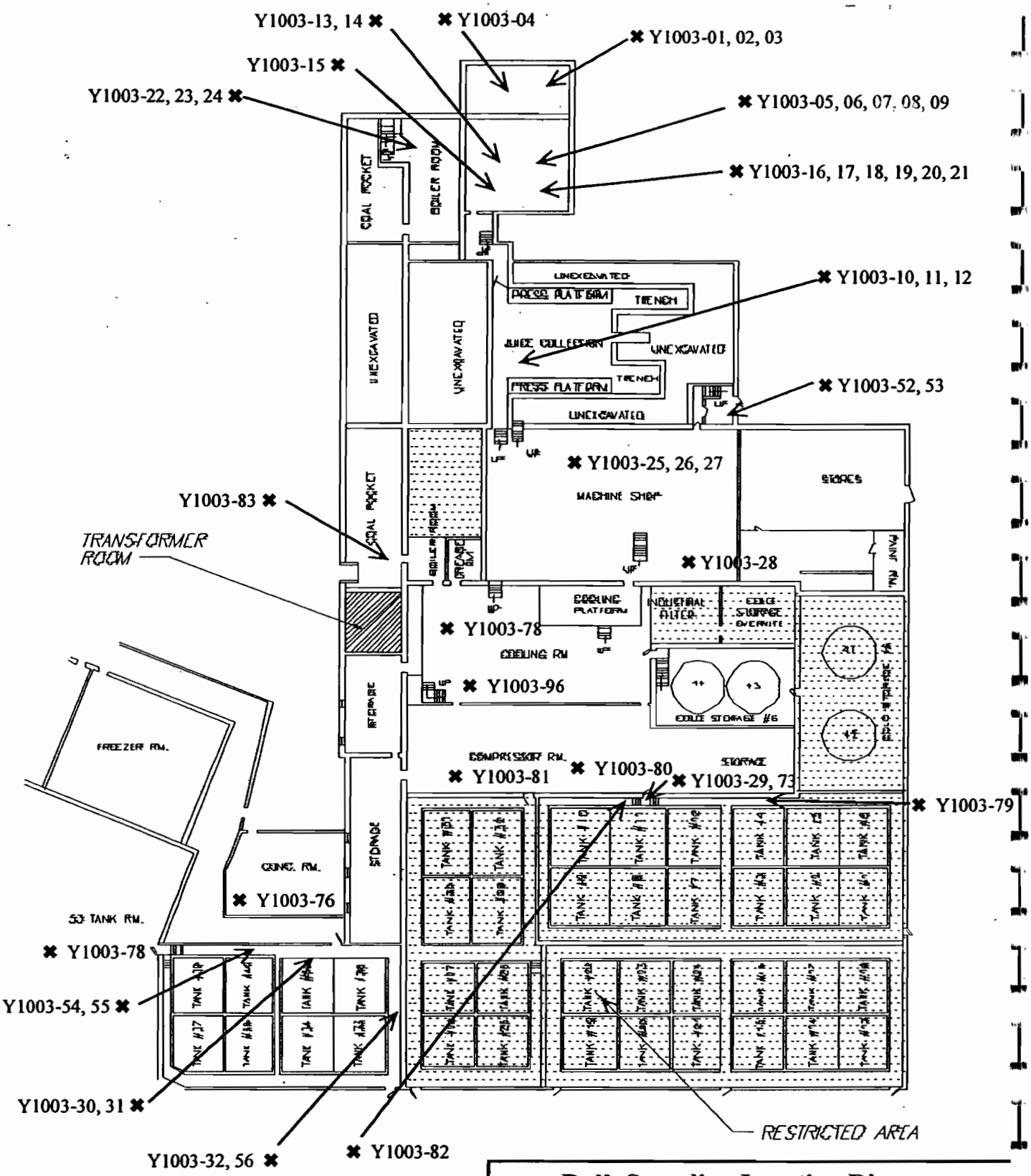
Material Description	HM #	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
					PLM	TEM	Y/N
Black Sealant on Bricks	42	Bricks Between Boiler Roof and Main Building Roof	M	Y1003-89	NA	3.6% chry.	Y
Built-up Roofing	43	Roof Over Tank Room	M	Y1003-90	NA	15% chry.	Y
Built-up Roofing	44	Roof Over North Stairway	M	Y1003-91	NA	NAD	N
Roof Flashing	45	Roof Over Coal Pocket	M	Y1003-92	NA	17% chry.	Y
Built-up Roofing	46	Roof Over Coal Pocket	M	Y1003-93	NA	NON-ACM	N
Brick Mortar	47	South Side North Side	M	Y1003-94 Y1003-95	ND ND	NA NA	N
Ceiling Covering	48	Cooling Room	M	Y1003-96	ND	NA	N

NA - Not analyzed.
ND - None detected (PLM analysis).
NAD - No asbestos detected (TEM analysis).
NON-ACM - Indicates a final residue weight $<1\%$ of subsample original weight under the Gravimetric Reduction Procedure (NYSDOH: 198.4).

Type
T = Thermal
S = Surfacing
M = Miscellaneous

Results
chry. = chrysotile
amos. = amosite
anth. = anthophyllite

ACM
Y = Yes
N = No



KEY:

✖ **Indicates Approximate Bulk Sample Locations**

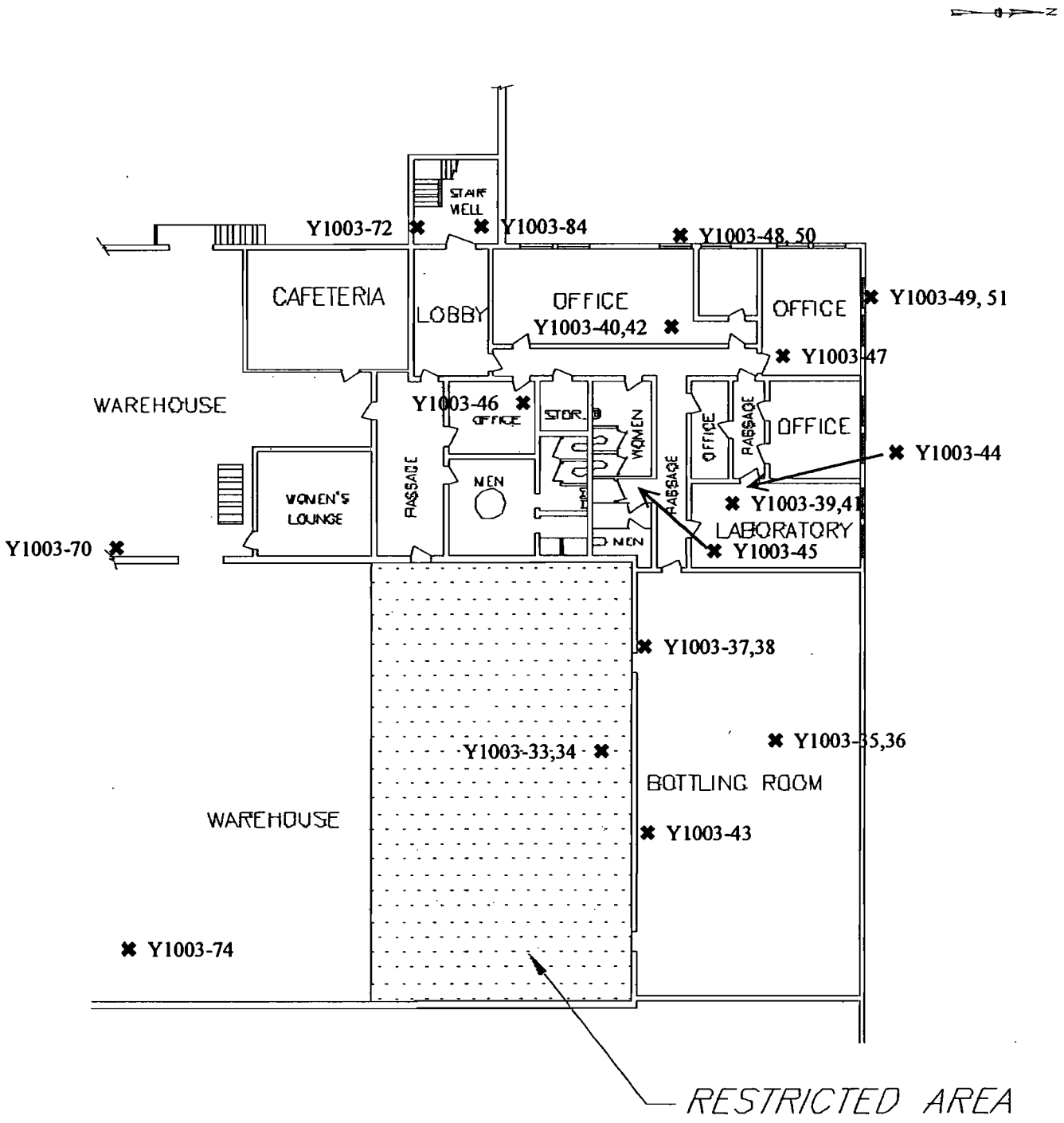
Samples collected between January 3-17, 2001.

Bulk Sampling Location Diagram
First Floor

FORMER WELCH FOODS SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

Not to Scale | **February 2001**



Y1003-75 and 77 were collected in the second floor corridor (pipe insulation debris).
Y1003-68 and 69 were collected from the windows in the second floor corridor (window glazing and caulk).

KEY:

✖ **Indicates Approximate Bulk Sample Locations**

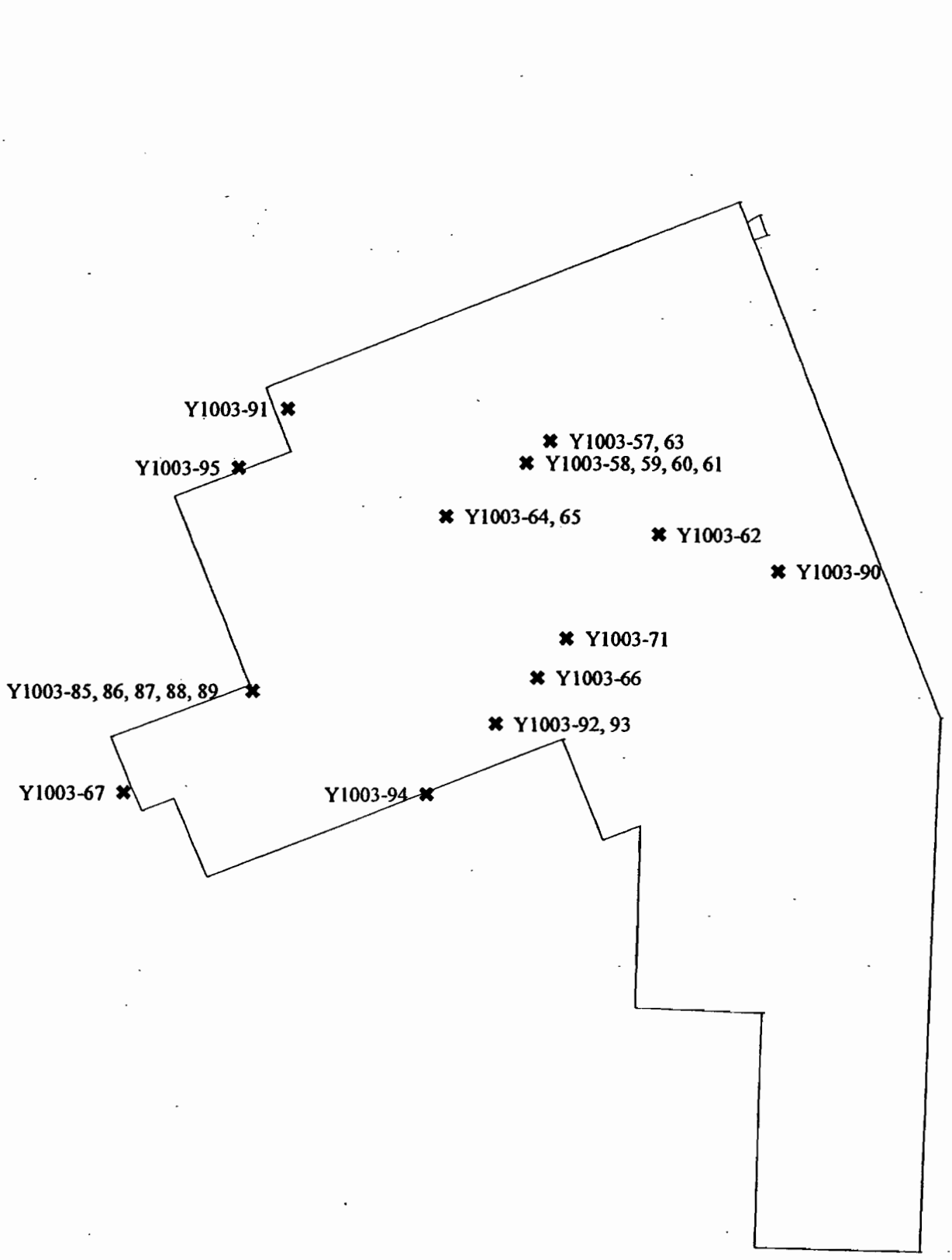
Samples collected between January 3-17, 2001.

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

Bulk Sampling Location Diagram
Second Floor

FORMER WELCH FOODS SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

Not to Scale	February 2001



KEY:

✖ **Indicates Approximate Bulk Sample Locations**

Samples collected between January 3-17, 2001.

Bulk Sampling Location Diagram
Exterior

FORMER WELCH FOODS SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

Not to Scale | **February 2001**

3.0 - LABORATORY REPORTS

3.1 - POLARIZED LIGHT MICROSCOPY (PLM)

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y1003-1	bottom of stairs by W entrance	Grey Fibrous Homogeneous	Teased	67.% Chrysotile		33.% Matrix
Y1003-2	bottom of stairs by W entrance	Grey Fibrous Homogeneous	Teased	67.% Chrysotile		33.% Matrix
Y1003-3	bottom of stairs by W entrance	Grey Fibrous Homogeneous	Teased	80.% Chrysotile		20.% Matrix
Y1003-4	bottom of stairs by W entrance	Grey Fibrous Homogeneous	Teased	None Detected	2.% Glass	98.% Matrix
Y1003-5	in room with 2 boilers	Grey Non-Fibrous Homogeneous	Crushed	None Detected	< 1% Glass	100.% Matrix
Y1003-6	in room with 2 boilers	Grey Fibrous Homogeneous	Teased	< 1% Chrysotile 44.% Amosite		56.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

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3826 Main St.
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Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
Y1003-7	inside boiler #1-ceiling	Tan Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-8	inside boiler #1-ceiling	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-9	inside boiler #1-ceiling	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-10	inside boiler #1-floor	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-11	inside boiler #1-floor	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-12	inside boiler #1-floor	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

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POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y1003-13	around door to boiler #1	Grey Fibrous Homogeneous	Teased	67.% Chrysotile		33.% Matrix
Y1003-14	around door to boiler #1	Grey Fibrous Homogeneous	Teased	33.% Chrysotile		67.% Matrix
Y1003-15	around door to boiler #2	Grey Fibrous Homogeneous	Teased	67.% Chrysotile		33.% Matrix
Y1003-16	on boiler door #2	Grey Fibrous Homogeneous	Teased	67.% Chrysotile		33.% Matrix
Y1003-17	on boiler door #2	Grey Fibrous Homogeneous	Teased	80.% Chrysotile		20.% Matrix
Y1003-18	on boiler door #2	Grey Fibrous Homogeneous	Teased	80.% Chrysotile		20.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y1003-19	boiler #2	Grey Non-Fibrous Homogeneous	Crushed	None Detected		100.% Matrix
Y1003-20	boiler #2	Grey Non-Fibrous Homogeneous	Crushed	None Detected		100.% Matrix
Y1003-21	boiler #2	Grey Non-Fibrous Homogeneous	Crushed	None Detected		100.% Matrix
Y1003-22	boiler #3	White Fibrous Homogeneous	Teased	10.% Chrysotile 30.% Amosite		60.% Matrix
Y1003-23	boiler #3	Grey Fibrous Homogeneous	Teased	40.% Amosite < 1% Chrysotile		60.% Matrix
Y1003-24	boiler #3	Grey Fibrous Homogeneous	Teased	< 1% Chrysotile 57.% Amosite		43.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

Analysis performed by EMSL Buffalo (NVLAP Air and Bulk #200656, NYSDOH ELAP# 11666)

EMSL Analytical, Inc.

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Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y1003-30	by tank #36	Grey Non-Fibrous Homogeneous	Teased	None Detected		100.% Matrix
Y1003-33	near bottling room-2nd floor	Grey Fibrous Homogeneous	Teased	67.% Chrysotile		33.% Matrix
Y1003-34	near bottling room-2nd floor	Grey Fibrous Homogeneous	Teased	80.% Chrysotile	5.% Cellulose	15.% Matrix
Y1003-35	bottling room-2nd floor	Tan Fibrous Homogeneous	Teased	None Detected	100.% Cellulose	
Y1003-36	bottling room-2nd floor	Tan Fibrous Homogeneous	Teased	None Detected	100.% Cellulose	
Y1003-43	bottling room-2nd floor	White Non-Fibrous Layers # 1	Crushed	None Detected		100.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y1003-43	bottling room-2nd floor	Grey Fibrous Layers # 2	Crushed	None Detected	2.% Hair	98.% Matrix
Y1003-44	laboratory-2nd floor	White Non-Fibrous Layers # 1	Crushed	None Detected		100.% Matrix
Y1003-44	laboratory-2nd floor	Grey Fibrous Layers # 2	Crushed	None Detected	< 1% Hair	100.% Matrix
Y1003-45	women's rest room-2nd floor	Grey Non-Fibrous Homogeneous	Crushed	None Detected		100.% Matrix
Y1003-46	office area-2nd floor	Grey Fibrous Homogeneous	Teased	None Detected	5.% Synthetic 85.% Min. Wool	15.% Matrix
Y1003-47	office area-2nd floor	Grey Fibrous Homogeneous	Teased	None Detected	2.% Synthetic 88.% Min. Wool	10.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
Y1003-52	N entrance-1st floor	Grey Non-Fibrous Homogeneous	Crushed		None Detected	< 1%	Cellulose	100.%	Matrix
Y1003-53	N entrance-1st floor	Grey Non-Fibrous Layers # 1	Crushed		None Detected			100.%	Matrix
Y1003-53	N entrance-1st floor	Grey Fibrous Layers # 2	Crushed		None Detected	< 1%	Cellulose	100.%	Matrix
Y1003-54	by tank #40	Grey Non-Fibrous Homogeneous	Teased		None Detected			100.%	Matrix
Y1003-70	storage room off of warehouse	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-72	stairway near office area	Grey Non-Fibrous Layers # 1	Crushed		None Detected			100.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

Analysis performed by EMSL Buffalo (NVLAP Air and Bulk #200030; NYSDOH ELAP# 11000)

EMSL Analytical, Inc.

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Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, January 12, 2001

Ref Number: BU0138

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
Y1003-72	stairway near office area	Grey Fibrous Layers # 2	Crushed		None Detected	< 1%	Cellulose	100.%	Matrix
Y1003-73	door near tank II	White Non-Fibrous Homogeneous	Teased		None Detected			100.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Rhonda Scherer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

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Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Thursday, January 25, 2001

Ref Number: BU01144

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y1003-74	warehouse 2nd floor	White Fibrous Homogeneous	Teased	< 1% Chrysotile 40.% Amosite		60.% Matrix
Y1003-75	corridor 2nd floor	White Fibrous Homogeneous	Teased	22.% Amosite		78.% Matrix
Y1003-76	debris pile in no. 1 con room	Grey Fibrous Homogeneous	Teased	31.% Amosite		69.% Matrix
Y1003-77	debris pile on 3rd floor corridor	Grey Fibrous Homogeneous	Teased	44.% Chrysotile		56.% Matrix
Y1003-78	debris pipe in cooling room	White Fibrous Homogeneous	Teased	None Detected	30.% Cellulose	70.% Matrix
Y1003-81	compressor room	Grey Fibrous Homogeneous	Teased	80.% Chrysotile		20.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Thomas M. Hanes
Analyst

Approved Signatory

Analysis performed by EMSL Buffalo (NVLAP Air and Bulk #200056, NYSDOH ELAP# 11606)

EMSL Analytical, Inc.

440 Lawrence Bell Drive
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Thursday, January 25, 2001

Ref Number: BU01144

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
Y1003-84	2nd floor stair tower	Grey Fibrous Homogeneous	Teased	57.%	Chrysotile			43.%	Matrix
Y1003-94		Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix
Y1003-95		Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Thomas M. Hanes
Analyst

Approved Signatory

EMSL Analytical, Inc.

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Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St.
Buffalo, NY 14226

Friday, February 23, 2001

Ref Number: BU01545

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y1003 / Former Welch's Food Facility

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	%	NON-ASBESTOS Non-Fibrous
Y1003-96	first floor - cooling room	Grey Non-Fibrous Homogeneous	Crushed		None Detected			100.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Thomas M. Hanes
Analyst

Approved Signatory

3.2 - TRANSMISSION ELECTRON MICROSCOPY (TEM)

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Phone (716) 631-5887
Fax (716) 631-7693

January 12, 2001

Edward O. Watts P.E., P.C.
3826 Main Street
Buffalo, NY 14226
Phone: (716) 836-1540
Fax: (716) 836-2402
Attention: **Greg Andrews**
Project: **Y1003 / Former Welch's Food Facility**
Ref #: **BU01-39**

Analysis of New York State NOBs Performed by Transmission Electron Microscopy (TEM) ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	% NON FIBROUS MATERIAL	% NON-ASB FIBERS	TEM RESULTS % ASBESTOS
Y1003-25	mass	black/gray	54		46 chrysotile
Y1003-26	mass	black/gray	54		46 chrysotile
Y1003-27	mass	black/gray	62		38 chrysotile
Y1003-28	mastic	black	100		NAD
Y1003-29	tar paper	black	98.8		1.2 chrysotile
Y1003-31	sealant	gray	100		NAD
Y1003-32	mastic	black	100		NAD
Y1003-37	mastic	gray	100		NAD
Y1003-38	mastic	gray	100		NAD
Y1003-39	floor tile	brown	49		51 chrysotile
Y1003-40	floor tile	black	59		41 chrysotile
Y1003-41	mastic	black	93.9		6.1 chrysotile
Y1003-42	mastic	black	86		14 chrysotile
Y1003-48	glazing	gray	100		<1 chrysotile
Y1003-49	glazing	gray	100		<1 chrysotile
Y1003-50	caulk	gray	96.8		3.2 chrysotile <1 anthophyllite
Y1003-51	caulk	gray	96.51		2.9 chrysotile 0.59 anthophyllite
Y1003-55	sealant	gray	100		NAD
Y1003-56	mastic	black			NON-ACM
Y1003-57	roofing/sealant	black	81		19 chrysotile

NOTES: **NON-ACM** indicates a final residue weight <1% of subsample original weight
NAD - No Asbestos Detected

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Phone (716) 631-5887
Fax (716) 631-7693

Ref #: **BU01-39**

Analysis of New York State NOBs Performed by Transmission Electron Microscopy (TEM)
ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	% NON FIBROUS MATERIAL	% NON-ASB FIBERS	TEM RESULTS % ASBESTOS
Y1003-58	roofing	black	98.4		1.4 chrysotile
Y1003-59	paper	black	100		NAD
Y1003-60	roofing	black	98.7		1.3 chrysotile
Y1003-61	paper	black	100		NAD
Y1003-62	siding	black	100		NAD
Y1003-63	roofing	black	100		NAD
Y1003-64	flashing	black	77		23 chrysotile
Y1003-65	caulk	gray	100		NAD
Y1003-66	roofing	black	99.81		0.19 chrysotile
Y1003-67	caulk	gray	95.2		4.8 chrysotile
Y1003-68	caulk	tan	100		NAD
Y1003-69	glazing	peach	100		NAD
Y1003-71	roofing	black	96.5		3.5 chrysotile

Analyst _____
Eric Fischer

Analyst Thomas M. Hanes
Thomas M. Hanes

Approved Signatory _____

NOTES: NON-ACM indicates a final residue weight <1% of subsample original weight
NAD - No Asbestos Detected

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Phone (716) 631-5887
Fax (716) 631-7693

January 25, 2001

Edward O. Watts P.E., P.C.
3826 Main Street
Buffalo, NY 14226
Phone: (716) 836-1540
Fax: (716) 836-2402
Attention: **Greg Andrews**
Project: **Y1003 / Former Welch's Food Facility**
Ref #: **BU01-145**

Analysis of New York State NOBs Performed by Transmission Electron Microscopy (TEM) ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	% NON FIBROUS MATERIAL	% NON-ASB FIBERS	TEM RESULTS % ASBESTOS
Y1003-79	mastic (on cork)	black			NON-ACM
Y1003-80	mastic	black	98.0		2.0 chrysotile
Y1003-82	mastic	black			NON-ACM
Y1003-83	mass	black	100		NAD
Y1003-85	roofing	black	100		NAD
Y1003-86	felt paper	black	100		NAD
Y1003-87	sealant	black	77		23 chrysotile
Y1003-88	roofing	black	100		NAD
Y1003-89	sealant	black	96.4		3.6 chrysotile
Y1003-90	roofing	black	85		15 chrysotile
Y1003-91	roofing	black	100		NAD
Y1003-92	roofing	black	83		17 chrysotile
Y1003-93	roofing	black			NON-ACM

Analyst _____ Approved Signatory _____
Rhonda Scherer

NOTES: **NON-ACM** indicates a final residue weight <1% of subsample original weight
NAD - No Asbestos Detected

3.3 - CHAIN-OF-CUSTODY FORMS

BULK SAMPLE CHAIN-OF-CUSTODY FORM

The purpose of the chain-of-custody form is to reduce the possibility of misidentifying individual samples, to help trace any samples that may be lost, and to provide a record certifying that the samples were delivered to and received by the analytical laboratory.

An important feature of this form is the signature section at the bottom, identifying all persons who handled the samples.

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B001-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/3/01
Watts Project No.: Y1003

Turnaround Requested: Analysis Requested:
PLM X TEM ___

___ 3 Hr ___ 48 Hr
___ 6 Hr ___ 72 Hr
___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y1003-01	Hot Water Tank Insulation	Bottom of Stairs by West Entrance		
Y1003-02	Hot Water Tank Insulation	Bottom of Stairs by West Entrance		
Y1003-03	Hot Water Tank Insulation	Bottom of Stairs by West Entrance		
Y1003-04	Pipe Insulation	Bottom of Stairs by West Entrance		
Y1003-05	Pipe Insulation	In Room with two Boilers		
Y1003-06	Pipe Insulation	In Room with two Boilers		
Y1003-07	Boiler Insulation - Reddish	Inside Boiler #1 - Ceiling		
Y1003-08	Boiler Insulation - Reddish	Inside Boiler #1 - Ceiling		
Y1003-09	Boiler Insulation - Reddish	Inside Boiler #1 - Ceiling		
Y1003-10	Boiler Insulation - Reddish	Inside Boiler (#) - Floor		

Sampled By: Greg Andrews Date: 1/3/01 Received By: [signature] 10:30 Am Date: 1-5-01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: _____ Date: _____

Comments: Go directly to TEM for all NOB material (as per Greg) [signature]

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY B001-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/3/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y1003-11	Boiler Insulation - Reddish	Inside Boiler #1 - Floor		
Y1003-12	Boiler Insulation - Reddish	Inside Boiler #1 - Floor		
Y1003-13	Boiler Insulation - Gray - Fluffy	Around Door to Boiler #1		
Y1003-14	Boiler Insulation - Gray - Fluffy	Around Door to Boiler #1		
Y1003-15	Boiler Insulation - Gray - Fluffy	Around Door to Boiler #2		
Y1003-16	Boiler Insulation on Door - Gray - Hard	On Boiler Door #2		
Y1003-17	Boiler Insulation on Door - Gray - Hard	On Boiler Door #2		
Y1003-18	Boiler Insulation on Door - Gray - Hard	On Boiler Door #2		
Y1003-19	Gray Insulation by Boiler Door	Boiler #2		
Y1003-20	Gray Insulation by Boiler Door	Boiler #2		

Sampled By: Greg Andrews Date: 1/3/01 Received By: @ 10:30am Date: 1/5/01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: ___ Date: ___

Comments: ___

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B001-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/3/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

	Sample Number	Material Description	Sample Location	Laboratory Results	
				PLM	TEM
	Y1003-21	Gray Insulation by Boiler Door	Boiler #2		
	Y1003-22	Boiler Insulation	Boiler #3		
	Y1003-23	Boiler Insulation	Boiler #3		
	Y1003-24	Boiler Insulation	Boiler #3		
	Y1003-25	Pipe Insulation - Cardboard Material	Machine Shop		
	Y1003-26	Pipe Insulation - Cardboard Material	Machine Shop		
	Y1003-27	Pipe Insulation - Cardboard Material	Machine Shop		
X	Y1003-28	Cork Insulation Mastic	~~Between Shop~~ Machine Shop		
X	Y1003-29	Tar Paper	Between Storage Area and Tanks		
	Y1003-30	Black Insulation Material	By Tank #36		

Sampled By: Greg Andrews Date: 1/3/01 Received By: [signature] 10:30am Date: 1/5/01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: ___ Date: ___

Comments: ___

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY B001-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/3/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

	Sample Number	Material Description	Sample Location	Laboratory Results	
				PLM	TEM
X	Y1003-31	White Sealant on Black Insulation	By Tank #36		
X	Y1003-32	Black Mastic Behind Cork Insulation	By Tank #33		
	Y1003-33	Duct Insulation	Near Bottling Room - 2nd Floor		
	Y1003-34	Duct Insulation	Near Bottling Room - 2nd Floor		
	Y1003-35	12" x 12" Perforated Ceiling Tile	Bottling Room - 2nd Floor		
	Y1003-36	12" x 12" Perforated Ceiling Tile	Bottling Room - 2nd Floor		
X	Y1003-37	Ceramic Tile Mastic	Bottling Room - 2nd Floor		
X	Y1003-38	Ceramic Tile Mastic	Bottling Room - 2nd Floor		
X	Y1003-39	9" x 9" Floor Tile	Laboratory - 2nd Floor		
X	Y1003-40	9" x 9" Floor Tile	Office Area - 2nd Floor		

Sampled By: Greg Andrews Date: 1/3/01 Received By: [signature] 10:30 am Date: 1/5/01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: _____ Date: _____

Comments: _____

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B001-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/3/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

	Sample Number	Material Description	Sample Location	Laboratory Results	
				PLM	TEM
X	Y1003-41	Floor Tile Mastic	Laboratory - 2nd Floor		
X	Y1003-42	Floor Tile Mastic	Office Area - 2nd Floor		
	Y1003-43	Plaster	Bottling Room - 2nd Floor		
	Y1003-44	Plaster	Laboratory ~~Room~~ - 2nd Floor		
	Y1003-45	Plaster	Women's Restroom - 2nd Floor		
	Y1003-46	Insulation Above Ceilings	Office Area - 2nd Floor		
	Y1003-47	Insulation Above Ceilings	Office Area - 2nd Floor		
X	Y1003-48	Window Glazing Compound	Office Area - 2nd Floor		
X	Y1003-49	Window Glazing Compound	Office Area - 2nd Floor		
X	Y1003-50	Window Caulk	Office Area - 2nd Floor		

Sampled By: Greg Andrews Date: 1/3/01 Received By: [illegible] 10:30am Date: 1/5/01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: ___ Date: ___

Comments: ___

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B001-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/4/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

	Sample Number	Material Description	Sample Location	Laboratory Results	
				PLM	TEM
X	Y1003-61	Tar Paper	Caved-in Roof over Warehouse on East Side		
X	Y1003-62	Red Siding above Warehouse	South of Bottling Room		
X	Y1003-63	Built-up Roofing	South of Bottling Room		
X	Y1003-64	Roof Flashing	Door Leading onto Roof		
X	Y1003-65	Door Caulk	Door Leading onto Roof		
X	Y1003-66	Built-up Roofing	Caved-in Roof South of Machine Shop		
X	Y1003-67	Caulk Around Louver	West End of Building by Boiler Rooms		
X	Y1003-68	Window Caulk	Windows on South Side of Building		
X	Y1003-69	Window Glazing Compound	Windows on South Side of Building		
	Y1003-70	Plaster	Storage Room off of Warehouse		

Sampled By: Greg Andrews Date: 1/4/01 Received By: (4) 10:30am Date: 1-5-01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: ___ Date: ___

Comments: ___

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B401-38

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/4/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
X Y1003-71	Built-up Roofing	On Floor of Storage Room West of Warehouse		
Y1003-72	Plaster	Stairway Near Office Area		
Y1003-73	Insulation Inside Door	Door Near Tank 11		
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				

Sampled By: Greg Andrews Date: 1/4/01 Received By: [signature] 10:30Am Date: 1/5/01

Relinquished By: Greg Andrews Date: 1/5/01 Received By: _____ Date: _____

Comments: _____

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY B001144

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/17/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y1003-74	Pipe Insulation	Warehouse - 2nd Floor		
Y1003-75	Pipe Insulation	Corridor - 2nd Floor		
Y1003-76	Pipe Insulation	Debris Pile in No 1 Conce Room		
Y1003-77	Pipe Insulation	Debris Pile on 3rd Floor Corridor		
Y1003-78	Pipe Insulation	Debris Pile in Cooling Room		
Y1003-79	Cork Insulation Mastic	On Floor in Hallway Outside Tank Room #4		
Y1003-80	Cork Insulation Mastic	Compressor Room		
Y1003-81	Pipe Insulation	Compressor Room		
Y1003-82	Mastic on Wall Behind Cork Insulation	Wall Next to Tank #10		
Y1003-83	Black Coating on Wall	Old Boiler Room		

Sampled By: Greg Andrews Date: 1/17/01 Received By: [signature] 9:45am Date: 1/18/01

Relinquished By: Greg Andrews Date: 1/18/01 Received By: _____ Date: _____

Comments: _____

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY B001144

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/17/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y1003-84	Fire Door Insulation	2nd Flor - Stair Tower		
Y1003-85	Roof Flashing	Roof Over Boiler Room		
Y1003-86	Felt Paper	Roof Over Boiler Room		
Y1003-87	Sealant on Parapet Cap	On Caps Around Roof on Main Building		
Y1003-88	Built-up Roofing	Roof Over Main Building		
Y1003-89	Black Sealant on Bricks	On Bricks Between Boiler Roof and Main Building		
Y1003-90	Built-up Roofing	Roof Over Tank Room		
Y1003-91	Built-up Roofing	Roof Over North Stairway		
Y1003-92	Roof Flashing	Roof Over Coal Pocket		
Y1003-93	Built-up Roofing	Roof Over Coal Pocket		

Sampled By: Greg Andrews Date: 1-17-01 Received By: [signature] 9:45am Date: 1/18/01
Relinquished By: Greg Andrews Date: 1-18-01 Received By: _____ Date: _____

Comments: _____

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B001144

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, New York
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 1/17/01
Watts Project No.: Y1003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr X 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y1003-94	Brick Mortar	South Side of Building		
Y1003-95	Brick Mortar	North Side of Building		
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				
Y1003-				

Sampled By: Greg Andrews Date: 1/17/01 Received By: [signature] 9:45am Date: 1/18/01

Relinquished By: Greg Andrews Date: 1/18/01 Received By: _____ Date: _____

Comments: _____

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: TVGA Engineering, Surveying, P.C.
Project: Former Welch's Food Facility
Building / Location: Brocton, NY
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 2/23/01
Watts Project No.: 41003

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: X 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
41003-96	Ceiling Covering on Corrugated Roof	First Floor - Cooling Room		

Sampled By: Greg Andrews Date: 2/23/01 Time: :
Relinquished By: Paul Marks Date: 2/23/01 Time: :
Received By: Date: 2/23/01 Time: 10:31 A
Received By: Date: / / Time: :

Comments:

4.0 - LABORATORY ACCREDITATION

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 2
ISSUED April 1, 2000
REVISED June 29, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11606

Director: MR. KENNETH NAJUCH
Lab Name: EMSL ANALYTICAL INC - WILLIAMSVILLE
Address : 440 LAWRENCE BELL DR - STE #2
WILLIAMSVILLE NY 14221

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

:cellaneous :
Asbestos in Friable Material
Asbestos in Non-Friable Materia

Serial No.: 106774

Wadsworth Center

Property of the New York State Department of Health. Valid only at the address shown.
Must be conspicuously posted. Valid certificate has a red serial number.

DOH-3317 (3/97)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

EMSL ANALYTICAL, INC.
WILLIAMSVILLE, NY

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

June 30, 2001
Effective through

David F. Alderman
For the National Institute of Standards and Technology

NVLAP Lab Code: 200056-0

National Institute of Standards and Technology

NVLAP®

National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation

BULK ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200056-0**

EMSL ANALYTICAL, INC.
440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Mr. Kenneth J. Najuch
Phone: 716-631-5887 Fax: 716-631-7693
E-Mail: knajuch@emsl.com
URL: http://www.emsl.com/

NVLAP Code	*Designation*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

June 30, 2001
Effective through

David F. Alderman
For the National Institute of Standards and Technology

5.0 - CONSULTANT'S CERTIFICATION

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE - NO ASBESTOS REMOVAL PERMITTED

LICENSE NUMBER: 99-0394
DATE OF ISSUE: 3/23/00
EXPIRATION DATE: 4/30/01

Contractor: EDWARD O. WATTS, PE., PC., (DBA WATTS ENGINEERS)

Address: 3826 MAIN STREET
AMHERST, NY 14226

Duly Authorized Representative: EDWARD O. WATTS, P.E.

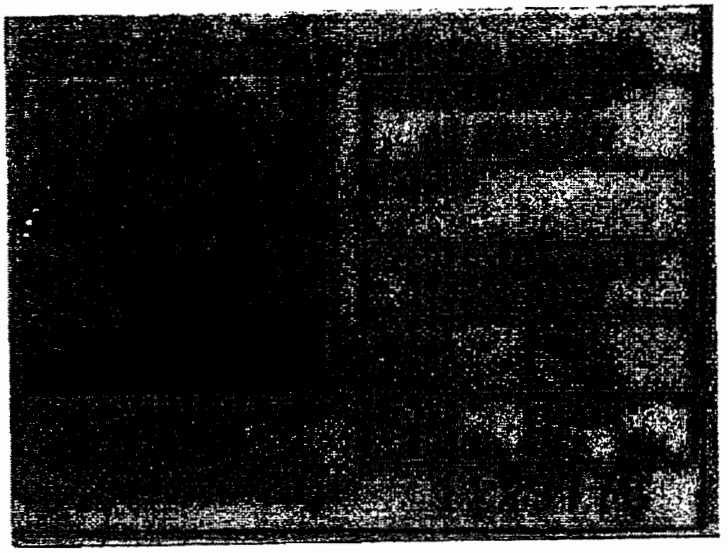
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with 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. The licensee 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.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

DOSH 432 (1-98)

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226



C - AIR SAMPLING TECHNICIAN
D - INSPECTOR
E - MANAGEMENT PLANNER
H - PROJECT MONITOR
I - PROJECT DESIGNER

APPENDIX A - PHOTOGRAPHS

Photo 1: View of a section of the caved in roof. Many of the roof levels are asbestos-containing.

Photo 2: View of a section of the caved in roof. Many of roof levels are asbestos-containing.

Photo 3: View of south side of building. The caulk around the windows is asbestos-containing.

Photo 4: View of northwest side of building. The caulk around the windows is asbestos-containing.

Photo 5: View of the debris on top of the asbestos-containing 9" x 9" floor tile.

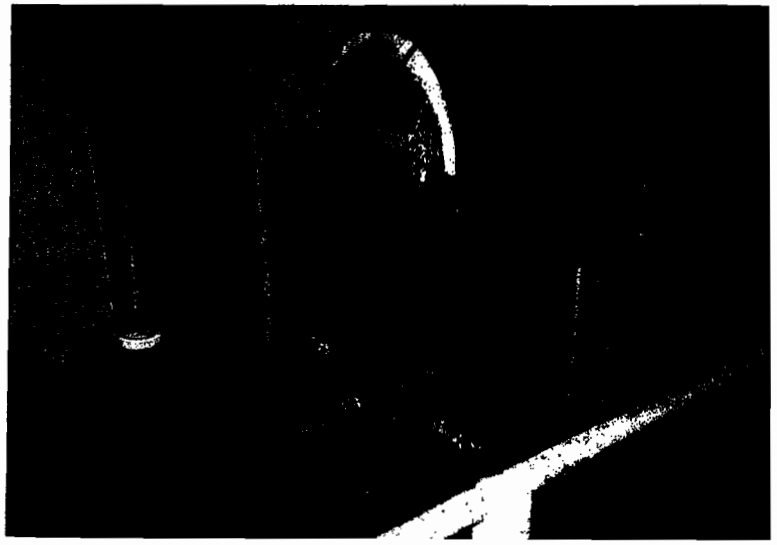


Photo 6: View of the asbestos-containing insulation underneath the metal jacket of the boilers.

Photo 7: View of the boiler door. The insulation around the door and the cavity entrance is asbestos-containing.

Photo 8: View of the asbestos-containing insulation falling off of the hot water tank.

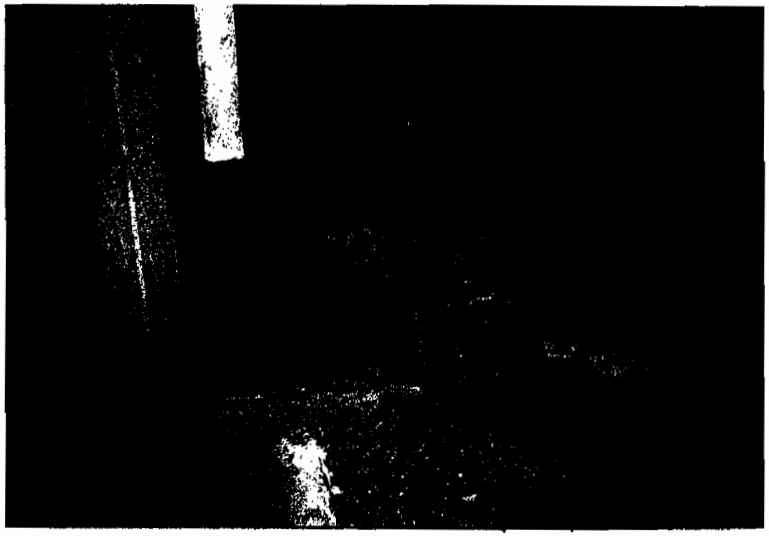


Photo 9: View of the asbestos-containing insulation falling off of boiler #3. Notice all the contaminated debris on the floor.

Photo 10: View of the asbestos-containing duct insulation on the second floor and in the bottling room.

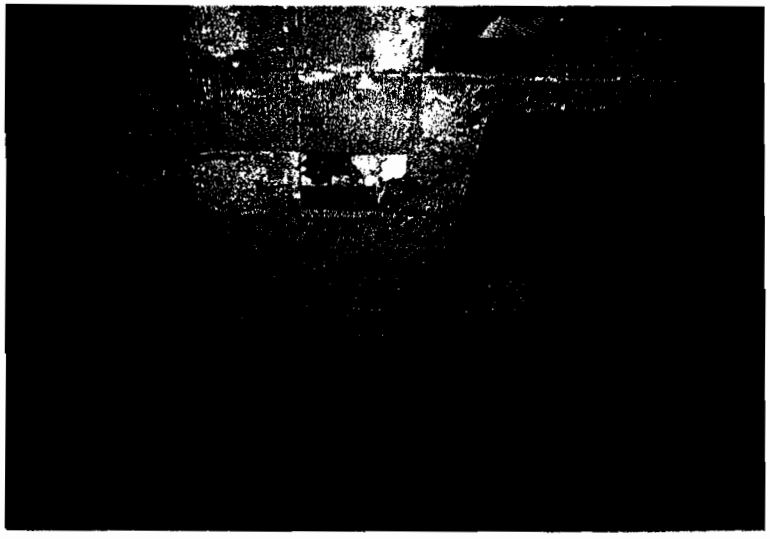


Photo 11: View of asbestos-containing duct insulation (under ceiling tile) in the second floor bottling room.

Photo 12: View of the asbestos-contaminated debris on the floor. Debris is scattered throughout the building.

Photo 13: View of asbestos-containing insulation that has fallen from the piping. Typical throughout building.

Photo 14: View of pile of asbestos-containing insulation. There are several similar piles throughout the building.

Photo 15: View of asbestos-containing debris covering the floor. This is typical throughout the building.

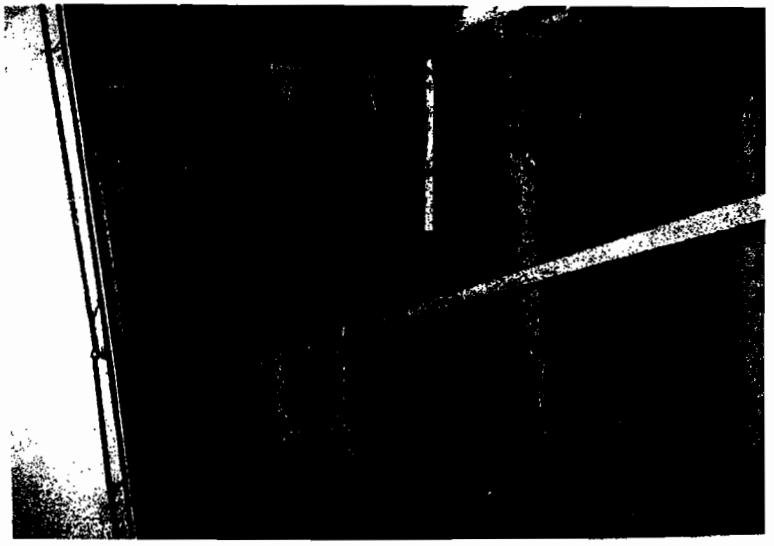


Photo 16: View of asbestos-containing debris covering the floor. This is typical throughout the building.

Photo 17: View of insulation inside garbage bags. These bags are assumed to be asbestos-contaminated.

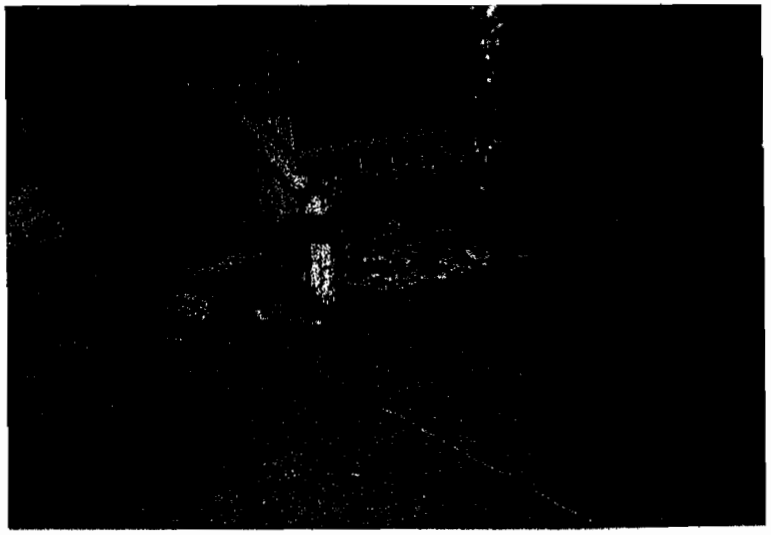


Photo 18: View of typical pile of asbestos-containing insulation. This is typical throughout the building.

WATTS ENGINEERS

3826 MAIN STREET • BUFFALO, NEW YORK 14226
(716) 836-1540 FAX: (716) 836-2402
www.wattsengineers.com

FAXED 10/4/01 @ 9:57 am

October 4, 2001

Mr. Rob Napieralski
TVGA Engineering, Surveying, P.C.
One Thousand Maple Road, P.O. Box H
Elma, New York 14059-0264

Re: Former Welch Foods Site in Brocton, New York
(NYSDEC NO. B00147-9)
Revised Asbestos Abatement Cost Estimate

Dear Mr. Napieralski:

Based on our conversations, Watts Engineers revisited the above-referenced facility to determine if our original cost estimate could be revised. In addition, Watts Engineers met with an estimator for a NYSDOL licensed asbestos abatement contractor at the facility to derive a more accurate cost estimate.

During our visit, Watts Engineers reduced the square footage of asbestos-containing debris on the floor by visual observations and collection of additional bulk samples. Initially, Watts Engineers assumed that the majority of the floor spaces would need to be cleaned as an asbestos project. However, after further discussions and observations, it was determined that many of the areas did not contain visible asbestos debris on the floors. In other areas there is visible asbestos debris on the floors, however, this debris can be properly abated in conjunction with other scheduled abatement work, i.e., debris on floor in boiler rooms can be cleaned as part of the boiler/pipe insulation abatement.

The revised preliminary estimated cost for asbestos abatement has been prepared based on our subsequent visit and with input from the asbestos abatement contractor.

1,220 square feet of asbestos-containing boiler insulation and debris on floor (3 boilers) at $20,000.00 per boiler	$60,000.00
420 square feet of asbestos-containing hot water tank insulation and debris on the floor at $25.00 per foot	$10,500.00
3,600 linear feet of asbestos-containing pipe insulation (Aircell, mag, and cork mastic) at $25.00 per linear foot	$90,000.00
2,330 square feet of asbestos-containing duct insulation at $20.00 per foot	$46,600.00
1,410 square feet of asbestos-containing floor tile at $3.25 per foot	$4,582.50
1,765 square feet of asbestos-containing floor tile mastic at $2.25 per foot	$3,971.25
50 windows with asbestos-containing window caulk at $200.00 per window	$10,000.00
5 louvers with asbestos-containing caulk at $100.00 per louver	$500.00
5 square feet of asbestos-containing tar paper at $10.00 per foot	$50.00
1 asbestos-containing fire door at $100.00 per door	$100.00
15,000 square feet of asbestos-containing debris on the floor throughout the building at $2.50 per foot	$37,500.00

Rob Napieralski - TVGA
Former Welch Foods Site in Brocton, New York
Asbestos Abatement Cost Estimate #2

Sub Total	**$263,803.75**
15% Contingency	**$39,570.56**
TOTAL ESTIMATED ABATEMENT COST FOR ACM	**$303,374.31**

In addition to the above cost, there is approximately 50,000 square feet of roofing materials. Watts Engineers attempted to sample as much of the roofing as possible. However, due to the unsafe condition of the various roofs, the majority of the different roofing materials were not able to be sampled. Therefore, all roofing materials, including the built-up roofing, rolled roofing, flashing, tars, sealants, mastics, parapet caps, etc. must be considered asbestos-containing.

Also, all areas of the building that could not be inspected by Watts Engineers personnel due to those areas being restricted as a result of unsafe conditions must be assumed to contain asbestos. Limited visual observations of the restricted areas have identified roofing materials as the only suspect material. However, there may be other suspect materials present, such as pipe insulation, that were not observed.

It is the opinion of Watts Engineers that a variance can be obtained from the NYSDOL to get relief from the abatement of the roofing material prior to the demolition of the building due to the unsafe conditions. Typically, the variance requires all debris to be handled as asbestos-containing waste. Since the abatement of all friable materials will have already occurred, the roofing material and other debris will be able to be disposed of as general construction and debris. Therefore, the overall cost for the abatement of the roofing and the restricted areas might be included in the building demolition estimate and not in the asbestos abatement estimate, even though it will still be considered an asbestos project.

This estimate does not include the required air monitoring and analysis during asbestos abatement or third party project administration costs. Cost estimates have been figured by applying unit costs that have been obtained from research of recently completed projects of similar magnitude, and generic discussions with local asbestos abatement contractors.

Should you have any questions or need additional information, please do not hesitate to contact me at (716) 836-2320, ext. 122.

Sincerely,

EDWARD O. WATTS, P.E., P.C.

Beverly Lewandowski
for

Gregory A. Andrews
Environmental Consultant

FINAL REMEDIAL ALTERNATIVES REPORT

SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT (SI/RAR)

FOR THE

FORMER WELCH FOODS SITE
(NYSDEC SITE NO. B00147-9)
54 WEST MAIN STREET
VILLAGE OF BROCTON
CHAUTAUQUA COUNTY, NEW YORK

PREPARED FOR:

CHAUTAUQUA COUNTY DEPARTMENT OF PUBLIC FACILITIES
454 North Work Street
Falconer, New York 14733

April 2002

PREPARED BY:

TVGA ENGINEERING, SURVEYING, P.C.
1000 Maple Road PO Box H
Elma, New York 14059
(716) 652-6937 www.tvga.com

FINAL REMEDIAL ALTERNATIVES REPORT

SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
FORMER WELCH FOODS SITE
54 WEST MAIN STREET
VILLAGE OF BROCTON
CHAUTAUQUA COUNTY, NEW YORK 14716
(NYSDEC SITE NO. B00147-9)

Prepared for:

Chautauqua County Department of Public Facilities
454 North Work Street
Falconer, New York

Prepared by:

TVGA ENGINEERING, SURVEYING, P.C.
ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS

One Thousand Maple Road
Elma, NY 14059-0264

(716) 655-8842
(fax) (716) 655-0937

200403

April 2002

FORMER WELCH FOODS SITE

FINAL REMEDIAL ALTERNATIVES REPORT

TABLE OF CONTENTS

TABLE NO.

APPENDIX

1.0 INTRODUCTION

1.1 Purpose

Chautauqua County entered into a State Assistance Contract with the New York State Department of Environmental Conservation (NYSDEC) to complete a Site Investigation/Remedial Alternatives Report (SI/RAR) for the former Welch Foods, Inc. site located at 54 West Main Street in the Village of Brocton, Chautauqua County, New York (Figure 1). The SI/RAR is being completed pursuant to the Environmental Restoration, or Brownfield Program, component of Title 5 of the Clean Water/Clean Air Bond Act of 1996, which is administered by the NYSDEC. The purpose of the SI/RAR program is to characterize the nature and extent of contamination occurring on, and emanating from, the project site, and to develop and evaluate remedial alternatives. This information is essential to the County's plans for redevelopment of the property for commercial or light manufacturing use.

TVGA Engineering, Surveying, P.C. (TVGA) has prepared this report on behalf of Chautauqua County to describe the process used to develop and evaluate alternatives for addressing contaminated media at the site. Contamination at the site is detailed in the *Site Investigation Report* (SIR). In addition to presenting the Remedial Action Objectives (RAOs) for affected media at the site, this *Remedial Alternatives Report* identifies and comparatively analyzes a range of remedial alternatives capable of satisfying these RAOs, and subsequently provides a recommendation for remedy selection. Upon confirmation of this recommendation by the NYSDEC, the proposed remedy will be summarized in a *Proposed Remedial Action Plan* (PRAP) for public review and comment.

1.2 Report Organization

This report has been structured to present the results of the remedial alternatives analysis in accordance with the report format suggested in NYSDEC TAGM 4058 and 6 NYCRR 375. The three (3) major sections of this report are as follows:

Section 1.0 – Presents background information and summarizes the results of the SI;

Section 2.0 - Identifies the RAOs for the site and develops general response actions for the affected media, which are assembled into site-wide remedial alternatives; and

Section 3.0 - Presents detailed analyses of the remedial alternatives, both individually and comparatively, and identifies the recommended alternative.

1.3 Background Information

1.3.1 Site Description

The project site is located at the southwest corner of the intersection of West Main Street and Pearl Street in the Village of Brocton, New York, and occupies approximately 2.4 ± acres. The project site contains the abandoned portion of an industrial building that amounts to approximately 63,000 square feet (SF) and is in a severely deteriorated state, with several major roof sections having collapsed. The majority of the former process equipment has been removed from the site, however, numerous large volume (40,000-150,000 gallon) concrete and steel tanks remain inside the building. The external areas of the project site consist primarily of aged asphalt parking areas, but also include remnants of a landscaped area located along the northwestern corner of the property (see Figure 2).

The project site and adjoining properties to the south and west were utilized as a wine and grape juice processing and storage facility, which contained industrial components and stored and utilized petroleum products and various chemicals, from as early as 1859 until its closure in the mid-1980's. Since that time the project site has been largely vacant, although a portion of the facility that is situated on an adjacent parcel to the south has continued to be utilized for fruit juice storage. Chautauqua County acquired the project site via tax foreclosure in August 2000.

1.3.2 Site History

The project site was initially developed with the construction of a wine cellar in 1859, and continued to be utilized for the processing and storage of wine and grape juice until the mid-1980s. During that time, the site was occupied by the Lake Shore Wine Company, the Brocton Products Company, Inc., the National Grape Cooperative, and, most recently, Welch Foods, Inc.

Historical facility plans indicate that that the main building contained a machine shop, compressor room, transformer room, and several oil-fired boilers, indicating the potential for the on-site storage and use of solvents, petroleum products and PCB-containing electrical equipment. The boilers were fueled via a 25,000-gallon underground storage tank (UST), which was reportedly removed in conjunction with the subdivision and sale of the western portion of the facility in the early 1990s.

The facility reportedly utilized caustic solutions to cleanse storage tanks and process equipment, as well as chlorine solution for sanitation. Process wastewater from the on-site facility was discharged directly to the unnamed tributary of Slippery Rock Creek located to the east of the property prior to the construction of an on-site wastewater treatment plant in the 1970s. Even after construction of the on-site treatment plant, several instances of piping failures resulted in the direct discharge of wastewater to the

ground surface on-site. Numerous floor drains are present within the main building, however, the routing and points of discharge of these drains have not been delineated.

Following the closure of the facility by Welch Foods, Inc. in the mid-1980s, the site was purchased by Jack Dean doing business as Chautauqua Forest Products. Since that time, the site has been largely vacant, although a portion of the facility has continued to be utilized sporadically for fruit juice storage. Site inspections by the Environmental Division of the Chautauqua County Department of Health and the NYSDEC in 1992-1993 revealed that Mr. Dean was utilizing the property to illegally store hazardous waste generated by another facility located in Pennsylvania. Reports of these inspections indicated the presence of drums of caustic soda, some of which were unsealed and/or in a deteriorated condition, as well as bags of suspected asbestos-containing material, one drum of muriatic acid, and a transformer bank of six (6) large units in the basement of the main building.

As a result of the above referenced inspections, the County Health Department issued a Summary Order requiring the property owner to immediately place all caustic soda and other hazardous chemicals in proper containers and secure them, and to obtain the proper permits prior to the removal of any hazardous waste from the subject site. According to a representative of the County Health Department, the owner complied with this order, however, no documentation of compliance was obtained.

Inspections of the subject site in February and March 1999 by representatives of the Village of Brocton, Chautauqua County and the NYSDEC revealed the presence of numerous drums and containers of hazardous and petroleum wastes within the main building. The condition of the drums and containers was characterized as poor, indicating the potential threat of imminent release. Therefore, the NYSDEC issued an order requiring the owner to secure the containers and remove them from the site for proper disposal. Based upon information provided by the NYSDEC, a qualified contractor was retained by Mr. Dean in June 1999 to remove and properly dispose of the drums and containers. Records documenting the completion of the removal action (e.g., waste manifests) were provided by the NYSDEC and indicated the removal of 19 drums containing hazardous and petroleum wastes consisting of ignitable and corrosive liquids, benzene, spent solvents, waste PCB fluid and solids, waste batteries, and mercury waste.

1.3.3 Site Investigation Results

An investigation of the Former Welch Foods Site was completed on behalf of Chautauqua County as part of the SI/RAR program being conducted at the site. The objective of the Site Investigation (SI) phase of this program was to characterize the site and determine the nature and extent of contamination, if any, occurring in or on the on-site soil/fill; groundwater; storm sewer system; and building surfaces. The resulting data was used to qualitatively evaluate potential risks to human health and the environment

associated with current site conditions and potential future use scenarios. The results of this investigation are presented in the SIR, and are summarized below.

The scope of the SI was in general conformance with that outlined in the NYSDEC approved *Final SI/RAR Work Plan.* Minor modifications to the scope of the field program were made during the course of the investigation in consultation with the NYSDEC to account for the site conditions encountered. The primary tasks associated with the field investigation included:

- The drilling of ten (10) test borings and the excavation of six (6) test pits across the site and in areas of potential concern to collect, screen and classify overburden deposits;

- Installation of six (6) groundwater monitoring wells to determine groundwater flow direction and facilitate the collection of representative groundwater samples;

- Inspection of drains, sumps and vaults located on the project site to identify and sample potentially contaminated liquids, sediments and sludges, and to determine the function of these structures, if possible;

- The sampling of concrete building surfaces that may have been exposed to polychlorinated biphenyls (PCBs);

- The collection of sediment samples from an unnamed tributary of Slippery Rock Creek that receives storm water discharges from the site;

- Chemical analysis of sediment, sludge, wastewater, storm water, groundwater and concrete samples;

- The identification, sampling and laboratory analysis of suspected asbestos-containing materials (ACMs);

- The identification of potential PCB-containing electrical equipment and mercury switches located within the building; and
- The survey of site topography, as well as test boring, test pit, monitoring well, and sample locations.

Field and laboratory procedures were performed in accordance with the *Final Field Sampling Plan* and the *Final Quality Assurance/Quality Control (QA/QC) Plan* developed for the project.

Field observations and geologic samples collected during the performance of the subsurface investigation indicated the presence of fill material consisting of ash, cinders and debris along the southern margin of the site in the vicinity of the former rail siding.

The fill material extends from the ground surface to 2-6 feet below grade, and overlies lacustrine beach deposits consisting of sand with varying percentages of gravel and silt. The thickness of these deposits ranges from 8-18 feet. They are underlain by a compact, sandy till. Bedrock was not encountered in any of the test borings, which were advanced to a maximum depth of 30-feet below grade.

The upper-most water bearing zone was encountered near the base of the lacustrine beach deposits at depths ranging from 14-21 feet below grade. The hydraulic conductivity of these deposits was determined to be approximately 4.2×10^{-3} cm/sec. The direction of shallow groundwater flow across the site was determined to be to the northeast, toward the discharge area represented by Slippery Rock Creek, at a rate of 1.46 feet per day.

Numerous major roof sections of the on-site building have collapsed and substantial water damage has affected the structural integrity of many of the remaining wooden structural elements. As a result, safe access to many areas of the building is not possible, and significant quantities of debris are present within the structure.

Numerous floor drains containing sediment were identified throughout the building (see Figures 3 and 4). Chemical odors were noted in the sediment present within the floor drains in the former machine shop and the adjacent former press room. An 18-inch diameter storm sewer beneath the building, is believed to receive the majority of the flow from the on-site drainage control system. This storm sewer is believed to have been the discharge point for the wastewater treatment facility formerly present at the Welch Foods site, and discharges to an unnamed tributary to Slippery Rock Creek to the northeast of the project site. Manholes providing access to this storm sewer are present in the former compressor room and on the west side of Pearl Street, between the building and the road.

Two (2) sumps believed to have been components of the facility's wastewater collection system were identified on the project site. Wastewater that collected in these sumps was apparently conveyed to the former wastewater treatment facility, either directly, or by way of the concrete holding tanks present along the eastern side of the building. One of these sumps is located on the northeastern corner of the property, at the intersection of West Main Street and Pearl Street, while the other sump is located in the room adjacent to the former compressor room. Dark sludge was observed in the exterior sump. Liquid within the interior sump was frozen at the time of the field investigation.

Lastly, 10 step-down transformers that may contain PCBs were observed inside the building. Additionally, numerous fluorescent lighting fixtures that are equipped with ballasts that are likely to contain PCBs were identified in the building. No evidence of leaks or discharges was noted in connection with the transformers or ballasts. Federal regulations require that PCB ballasts are properly transported to, and disposed of in, a Toxic Substance Control Act (TSCA) approved disposal facility upon removal from service. In addition to these potentially PCB-containing transformers and light ballasts,

two (2) mercury switches were also identified in the building, and will require proper disposal and/or recycling. Additional transformers, light ballasts and switches may also be present in inaccessible areas of the building.

Analytical data resulting from this investigation indicated the absence of facility-derived groundwater contamination. Contaminated fill exists along the southern margin of the site, in the vicinity of the former rail siding; and contaminated sediment and sludge was detected in on-site drains and sumps. Contamination was not detected in storm water exiting the site via the storm sewer that extends beneath the building, nor were abnormally high levels of contamination detected in off-site sediment samples collected from an unnamed tributary to Slippery Rock Creek near the outfall of this storm sewer.

Contaminants detected in the fill material at concentrations that exceeded NYSDEC recommended cleanup objectives consisted of polycyclic aromatic hydrocarbons (PAHs). The presence of these compounds is likely reflective of the composition of the fill material and/or the result of incidental petroleum leaks from rail cars formerly used in this area. Based upon the properties of the PAHs detected and the physical site conditions, these compounds are not expected to impact groundwater quality or migrate significantly in the subsurface. Furthermore, the presence of these compounds is not interpreted to represent a significant human exposure risk under current and future use scenarios for the property because no complete exposure pathways were identified. Although the potential for human exposure during construction activities involving the disturbance of the contaminated fill has been identified, the risk of exposure could be effectively minimized through the use of appropriate personal protective equipment and dust suppression techniques.

Contaminants detected in the sediment and sludge samples at concentrations that exceeded NYSDEC recommended cleanup objectives include PAHs, PCBs, and several metals, including mercury. The PAHs and PCBs likely resulted from poor housekeeping practices, spills and/or releases of new and used petroleum products and transformer fluid to the facility's internal drain system. The metals are likely associated with particulates (e.g., shavings, grindings, etc.) generated during former on-site maintenance and machining activities that were flushed or swept into the drainage system. A likely source of the elevated mercury levels detected in the sediments is mercury released from thermometers and regulators used and maintained in association with the refrigeration system at the former facility. These contaminants have the potential to be released to the ground surface in a publicly accessible area of the site. Therefore, while the contaminated sediments remain on-site, the potential for the exposure of utility workers and the public exists under the current and future use scenarios. Potential human exposure risks were also identified under the demolition/construction scenario, but can likely be effectively minimized through the use of appropriate personal protective equipment and dust suppression techniques.

The potential for the transport of the contaminants detected in the on-site sediments to the unnamed tributary of Slippery Rock Creek via storm water entering the on-site

drainage structures was also identified. However, facility derived contaminants were not detected in sediment samples collected from this receiving water course.

The results of the pre-demolition survey of the building for asbestos-containing materials (ACMs) indicated the presence of significant quantities of thermal system insulation (TSI), roofing materials, and miscellaneous materials (e.g., floor tiles, mastics, etc.) that contains asbestos. Much of the TSI is friable and in poor condition. This has lead to the commingling of TSI residue with debris on the floor in many areas of the building, particularly the boiler rooms, thereby creating asbestos-containing debris. While the non-friable ACMs do not pose a significant health threat, the deteriorated condition of the building coupled with the presence of damaged friable asbestos presents the possibility of asbestos fiber releases via wind currents to the commercial and residential area surrounding the site. As such, members of the public living and working in the site vicinity are at risk of exposure to asbestos fibers.

2.0 IDENTIFICATION AND DEVELOPMENT OF ALTERNATIVES

2.1 Remedial Action Objectives

The following subsections outline the Remedial Action Objectives (RAOs) identified for each of the contaminated-media encountered on the project site. These RAOs are based upon the findings of the SI and the anticipated future use of the project site for commercial and/or light manufacturing purposes.

2.1.1 Fill

Contaminants of concern in this medium consist of carcinogenic and non-carcinogenic PAHs, the cumulative concentrations of which were below the NYSDEC recommended cleanup objective for total SVOCs of 500,000 ppb. The RAO for this medium is to prevent exposure of the public and future site workers to these contaminants via dermal contact, incidental ingestion or inhalation of particulates. No significant risks to groundwater or other environmental resources were identified in connection with the contaminated fill.

2.1.2 Sediment/Sludge

Contaminants of concern in these media consist of carcinogenic and non-carcinogenic PAHs, PCBs, which are probable human carcinogens, and metals. For protection of human health, the RAO is to prevent dermal contact with, incidental ingestion of, or inhalation of particulates originating from, the contaminated sediment. The RAO for environmental protection is the prevention of the release of contaminated sediments from the drainage system that could result in the degradation of surface water quality below ambient water quality standards.

2.1.3 Building Materials

Damaged, friable ACMs constitute the primary concern relative to building materials and surfaces. The RAO for protection of human health relative to ACMs is the prevention of the inhalation or incidental ingestion of asbestos fibers.

2.1.4 Equipment

The potential occurrence of PCBs within electrical equipment installed in the building, as well as the presence of mercury in switches within the building are the primary concern relating to equipment. The RAO for protection of human health and the environment is the prevention of the release of contaminants from this equipment.

2.2 General Response Actions

General response actions for each of the affected media at the project site have been identified and are described in the following subsections. Although these general response actions include no action as a means of source control, the no action response does not address the RAOs identified in the preceding section and is included for comparison purposes only.

2.2.1 Fill

General response actions available to satisfy the RAO identified for contaminated fill include no action, institutional and access controls, containment, and excavation and disposal. Treatment of the fill, whether on-site or off-site, has not been included as a general response action due to the relatively small volume of contaminated fill and the high cost of this option.

2.2.2 Sediment/Sludge

General response actions for the contaminated sediment/sludge include no action, institutional and access controls, containment, and partial or complete removal and disposal. Treatment was not included as a general response action for the same reason as identified in the previous subsection.

2.2.3 Building Materials

No Action, institutional and access controls, and partial or complete abatement have been identified as the general response actions for asbestos-containing building materials.

2.2.4 Equipment

General response actions for contaminated equipment present within the building include no action, institutional and access controls, as well as removal and recycling/disposal.

2.3 Remediation Areas

2.3.1 Fill

The area of contaminated fill is primarily located to the south of the building and encompasses approximately 13,000 square feet (see Figure 5). The thickness of the fill material averages 3.6 feet. Therefore, the approximate volume of contaminated fill material is estimated at 1,700 cubic yards.

2.3.2 Sediment/Sludge

Contaminated sediment and/or sludge was documented in numerous drains and sumps located within and adjacent to the building (see Figures 3 and 4). The underground piping associated with these drainage and/or wastewater control structures is also believed to contain contaminated sediment. Although dye testing and interviews of former facility employees failed to result in the full delineation of the piping network, the volume of sediment/sludge has been estimated at 700 cubic yards occurring within approximately 2,500 linear feet of piping and the associated collection structures.

2.3.3 Building Materials

Asbestos-containing materials were identified throughout the building. The type and quantity of ACMs identified in the on-site structure is described in the tables presented in Appendix A.

2.3.4 Equipment

Light fixtures, switches and step-down transformers were identified in multiple areas of the on-site building.

2.4 Development of Alternatives

The general response actions identified in Section 2.2 have been assembled into a series of site-wide remedial action alternatives. These alternatives are outlined in the following subsections.

2.4.1 Alternative A

This alternative represents the "No Action Alternative". Under this alternative, the site would remain in its current state and periodic environmental monitoring and maintenance of the current access controls would be performed until the time that the potential for human exposure to site-derived contamination is no longer present. No remedial activities, institutional or additional access controls would be implemented under this alternative. Monitoring would focus on airborne asbestos levels along the site perimeter, as well as surface water and sediment quality at the off-site storm sewer outfall, and would be conducted on a semi-annual basis.

This alternative does not satisfy the RAOs for the current use scenario, nor is it supportive of the redevelopment of the site for commercial and/or light manufacturing use. It has, however, been retained for detailed analysis to provide a point of comparison for more intensive alternatives.

2.4.2 Alternative B

This alternative combines institutional and access controls with environmental monitoring and the following general response actions for the affected media.

- Sediment/Sludge: Limited removal and disposal of material in the exterior sump at the corner of West Main Street and Pearl Street
- Asbestos: Limited abatement of friable ACMs in deteriorated portions of the building (selective demolition required)

Monitoring would focus on airborne asbestos levels along the site perimeter, as well as surface water and sediment quality at the off-site storm sewer outfall, and would be conducted on a semi-annual basis until the time that the potential for human exposure to site-derived contamination within these media is no longer present.

While this alternative satisfies the RAOs for the current use scenario, it represents the minimal approach to addressing site contamination and is not supportive of the redevelopment of the site for commercial and/or light manufacturing use. However, similar to the No Action Alternative, this "limited" action alternative has been retained for detailed analysis for comparison purposes.

2.4.3 Alternative C

This alternative combines institutional and access controls with environmental monitoring and the following general response actions for the affected media:

- Fill: Containment through placement of soil cover in unpaved areas
- Sediment/Sludge: Limited removal and disposal coupled with closure of drainage structures
- Asbestos: Limited abatement of friable ACMs in deteriorated portions of the building (selective demolition required)
- Equipment: Removal and recycling/disposal

Monitoring would focus on airborne asbestos levels along the site perimeter, as well as surface water and sediment quality at the off-site storm sewer outfall, and would be conducted on a semi-annual basis until the time that the potential for human exposure to site-derived contamination within these media is no longer present.

Under this alternative, the building would remain, but contaminated media, with the exception of some asbestos, would be contained and/or removed. As such, additional asbestos abatement and building demolition would be required prior to redevelopment of the site.

2.4.4 Alternative D

This alternative combines the following general response actions:

- Fill: Containment by capping via asphalt paving and/or concrete slabs
- Sediment/Sludge: Removal and disposal of complete system and contents
- Asbestos: Abatement
- Equipment: Removal and disposal

The removal and disposal of the drainage control structures and associated piping network as a component of this alternative would necessitate the demolition of the building, which in turn would require asbestos abatement. Therefore, the site would be suitable for immediate redevelopment following the completion of this remedial alternative.

2.4.5 Alternative E

The following general response measures were assembled for this alternative:

- Fill: Excavation and Disposal
- Sediment/Sludge: Removal and disposal of complete system and contents
- Asbestos: Abatement
- Equipment: Removal and recycling/disposal

This alternative is the most comprehensive, involving the removal and disposal of all contaminated media from the site. Asbestos abatement and building

demolition are also prerequisites to the removal and disposal of the drainage control structures and associated piping network called for under this alternative, which, like Alternative D, would render the site immediately suitable for redevelopment.

3.0 DETAILED ANALYSIS OF ALTERNATIVES

3.1 General Discussion

The remedial alternatives outlined in Section 2.4 were individually and comparatively evaluated with respect to the following six criteria as defined in 6 NYCRR 375:

- Overall protection of human health and the environment
- Compliance with SCGs
- Short-term effectiveness
- Long-term effectiveness
- Reduction of toxicity, mobility and volume
- Feasibility

A seventh criterion, community acceptance, will be evaluated by the NYSDEC at the conclusion of the public comment period.

The results of these evaluations are presented in the following subsections.

3.2 Individual Analysis of Alternatives

3.2.1 Alternative A

The No Action Alternative does satisfy the RAOs because of its inability to eliminate the potential for the exposure of the public and future construction and site workers to on-site contaminants. Although environmental monitoring would serve as a means of identifying contaminant releases and reducing exposures to the surrounding community, exposure could occur intermittently without detection or prior to detection. Therefore, this alternative is not protective of human health with respect to the surrounding community because contamination would remain on-site and would not be effectively contained.

This alternative would not reduce the toxicity, mobility or volume of the contamination. In the case of the contaminated sediment/sludge, the remaining contamination would exceed the SCG. Additionally, friable asbestos would remain, as would the threat of fiber release episodes from deteriorated sections of the building.

Under this alternative, the project site and existing structure would remain in their current states. Existing access controls, (i.e. partial chain-link fencing, boarded-up windows and doors, and sheriff patrols) have not been fully effective in the prevention of trespassing, resulting in the potential for chemical and/or asbestos exposure to vandals and/or neighborhood children. Moreover, the structure is severely deteriorated, and this condition will continue to worsen, further diminishing the effectiveness of access controls and increasing the potential for contaminant releases to the surrounding community. Therefore, the existing threats to public health and the environment are expected to increase over time as site conditions continue to erode.

This alternative is not considered to be practical considering its inability to satisfy the RAOs or to support the goal to redevelop the site for commercial or light manufacturing use. Estimated costs for implementing this alternative are presented in Table 1, and are based on a 15-year environmental monitoring and maintenance period. It should be noted that this monitoring and maintenance period could extend beyond 15-years should the potential for human exposure to on-site contamination persist, in which case the costs for these activities would increase correspondingly.

3.2.2 Alternative B

This alternative would satisfy the RAOs for the current use scenario, but would not be protective of human health with respect to construction workers or future use scenarios because contamination would remain on-site and would not be contained.

In the case of the contaminated sediment/sludge, the remaining contamination would exceed the SCG.

This alternative could be implemented quickly, with minimal impacts to the surrounding community and environment. However, access controls may not be fully effective in the prevention of trespassing, resulting in the potential for chemical and/or asbestos exposure to vandals and/or neighborhood children. Furthermore, said controls could deteriorate over time, and, thus, residual public health risks may persist in the long term. The long-term effectiveness of institutional controls is also considered to be questionable.

With the exception of the minor volume of contaminated sediment located in the sump situated at the corner of West Main and Pearl Streets and a portion of the friable asbestos located within the building, this alternative would not reduce the toxicity, mobility or volume of the contamination.

The feasibility of implementing this alternative is questionable due to the severely deteriorated condition of the building, which would make asbestos abatement

operations difficult under current conditions and create safety concerns for abatement contractors. As such, selective demolition of the building would likely be required, which could further complicate the feasibility of implementing effective access controls. Furthermore, this alternative is not considered to be practical considering the goal to redevelop the site for commercial or light manufacturing use. Estimated costs for implementing this alternative are presented in Table 2, and are based on a 15-year environmental monitoring period. It should be noted that the duration of the monitoring period could extend beyond 15-years should the potential for human exposure to site-derived contamination persist, in which case the costs for these activities would increase correspondingly.

3.2.3 Alternative C

For the current and future use scenarios, this alternative would satisfy the goals for the protection of human health and the environment outlined in the RAOs. Although short-term exposure risks to construction workers and the surrounding community could result from construction activities at the site, these risks could likely be effectively minimized through standard construction and health and safety precautions.

In the case of the contaminated sediment/sludge, the remaining contamination would likely exceed the SCG.

This alternative would be effective on a short-term basis, with only minor temporary impacts on the surrounding community during implementation. However, the long-term effectiveness of this alternative is suspect should the planned redevelopment of the site occur because the remaining contamination could be re-exposed. Furthermore, the long-term effectiveness of institutional controls is also considered to be questionable.

Through the removal of contaminated sediment from the drains and sumps and closure of the drainage system, this alternative would reduce the volume of this contaminated medium, and would also reduce the mobility of the remaining contamination within the associated piping network. However, it is likely that the remaining sediment contamination will exceed the SCG. This alternative would also reduce the volume of friable ACM, as well as the mobility of remaining ACMs in the building, and would eliminate contaminated equipment. The magnitude of the contamination in the fill does not warrant active measures to reduce the toxicity of the contaminants given the intended future use of the site. Instead, reduction in toxicity will occur over time via degradation by naturally occurring microbes.

The feasibility of implementing this alternative is questionable due to the severely deteriorated condition of the building, which would make sediment removal and

asbestos abatement operations difficult under current conditions and create safety concerns for remediation workers. As such, selective demolition of the building would likely be required, which could further complicate the feasibility of implementing effective access controls. Furthermore, this alternative is only partially supportive of site redevelopment goals, since additional remediation will likely be required prior to site reuse for the intended purpose. The estimated costs for implementing this alternative are presented in Table 3, and are based on a 15-year environmental monitoring period. It should be noted that this monitoring period could extend beyond 15-years should the potential for human exposure to site-derived contamination persist, in which case the costs for these activities would increase correspondingly.

3.2.4 Alternative D

This alternative is fully protective of human health and the environment under current and future use scenarios. Although short-term exposure risks to construction workers and the surrounding community could result from construction activities at the site, these risks could likely be effectively minimized through standard construction and health and safety precautions.

The contaminated fill that would be contained on-site via asphalt paving and/or concrete slabs complies with the SCG for total SVOCs of 500,000 ppb. No other contamination would remain under this alternative.

Temporary impacts to the surrounding community and the environment (e.g., dust generation, noise, etc.) would result during the implementation of this alternative. However, these impacts could be mitigated through standard construction practices. The application of common health and safety precautions would also minimize potential health risks to remedial contractors and the surrounding community during the implementation of this alternative. This alternative could be effectively implemented within a reasonable time frame.

This alternative represents an effective long-term approach to addressing on-site contamination and is fully supportive of the intended reuse of the site for commercial or light manufacturing purposes. With the exception of the contaminated fill, which would be contained via an asphalt and/or concrete cap, all areas of contamination would be removed from the site. The magnitude of the contamination in the fill does not warrant active measures to reduce the toxicity of the contaminants given the intended future use of the site. Instead, reduction in toxicity will occur over time via degradation by naturally occurring microbes.

Because of the severely deteriorated condition of the building, the feasibility of removing the drainage system is contingent upon the demolition of the building. As such, demolition appears to represent the safest and most practical approach to dealing with contamination present within and below the building.

Furthermore, the implementation of this alternative would render the site suitable for immediate redevelopment. The estimated costs for implementing this alternative are presented in Table 4.

3.2.5 Alternative E

This alternative is fully protective of human health and the environment under current use, construction, and future use scenarios, and fully complies with SCGs.

Temporary impacts to the surrounding community and the environment (e.g., dust generation, noise, etc.) would result during the implementation of this alternative. However, these impacts could be mitigated through standard construction practices. The application of common health and safety precautions would also minimize potential health risks to remedial contractors and the surrounding community during the implementation of this alternative. This alternative could be effectively implemented within a reasonable time frame.

This alternative represents an effective long-term approach to addressing on-site contamination and is fully supportive of the intended reuse of the site for commercial or light manufacturing purposes. All areas of contamination would be removed from the site under this alternative.

Because of the severely deteriorated condition of the building, the feasibility of removing the drainage system is contingent upon the demolition of the building. As such, demolition appears to represent the safest and most practical approach to dealing with contamination present within and below the building. Furthermore, the implementation of this alternative would render the site suitable for immediate redevelopment. The estimated costs for implementing this alternative are presented in Table 5.

3.3 Comparative Analysis and Recommendation

A comparative evaluation of the remedial alternatives is presented in the form of a matrix, shown on the following page, which includes ratings for each of the criteria mandated by 6 NYCRR Part 375. The comparison of the alternatives is based upon a qualitative system that utilizes relative ratings of *high*, *medium* and *low* to define each alternative's performance with respect to the aforementioned criteria. These ratings are then equated to a numerical scale to produce a relative numerical score for final comparison purposes. The ratings equate to the following conditions and numerical scores:

RATING	DESCRIPTION	NUMERICAL RATING
HIGH	SATISFIES CRITERIA TO A HIGH DEGREE	3
MEDIUM	SATISFIES CRITERIA TO A MODERATE DEGREE	2
LOW	MINIMALLY SATISFIES CRITERIA	1

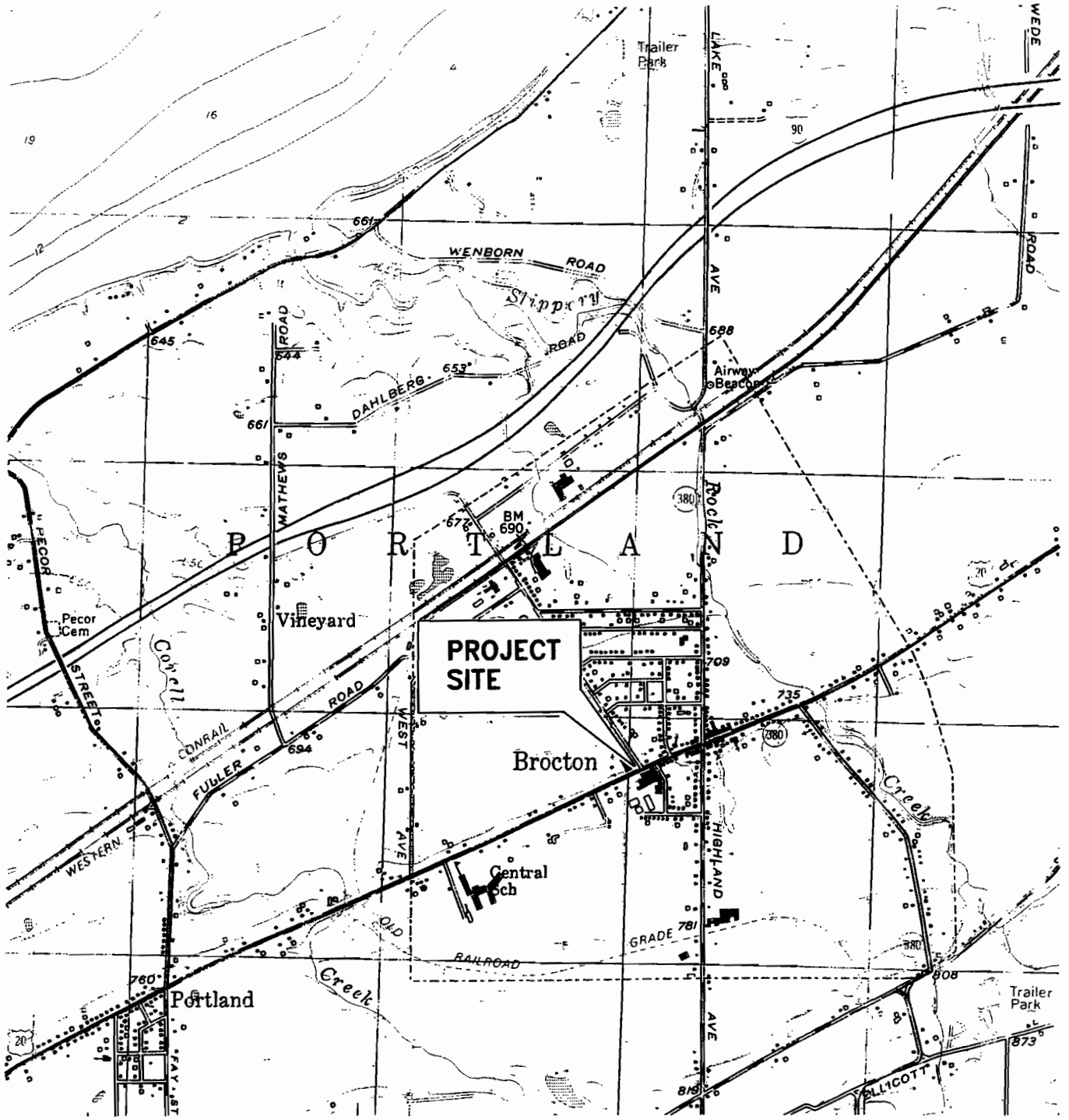
The aggregate numerical score for each of the alternatives evaluated is shown near the bottom of the matrix. Higher relative scores represent a higher level of effectiveness with respect to the evaluation criteria.

As reflected by Table 6, Alternatives D and E have been identified as the most effective alternatives. These alternatives rated significantly higher than Alternatives A, B and C. Both Alternatives D and E would fully satisfy the RAOs developed for the site, would have high degrees of short and long term effectiveness, would render the site suitable for immediate redevelopment, and received equivalent ratings. Alternative E received a slightly higher rating than Alternative D for the criterion relating to reduction of toxicity, mobility and volume because all contaminated media would be removed under Alternative E, while the contaminated fill would remain contained on-site under Alternative D. However, the reverse was true for the feasibility criterion because Alternative D has a lower cost than Alternative E. Based upon this relatively higher degree of cost effectiveness, Alternative D is recommended for implementation.

Under the recommended alternative, air monitoring, appropriate personal protective equipment, and dust suppression measures should be employed during redevelopment activities that could disturb the contaminated fill in order to prevent exposure of the public and construction workers to the contaminants in the fill. If, during the course of these activities, gross contamination is encountered in the fill or underlying soil, the contamination should be removed for proper off-site disposal in an appropriately permitted facility.

FIGURES

NUMBERS 1- 5

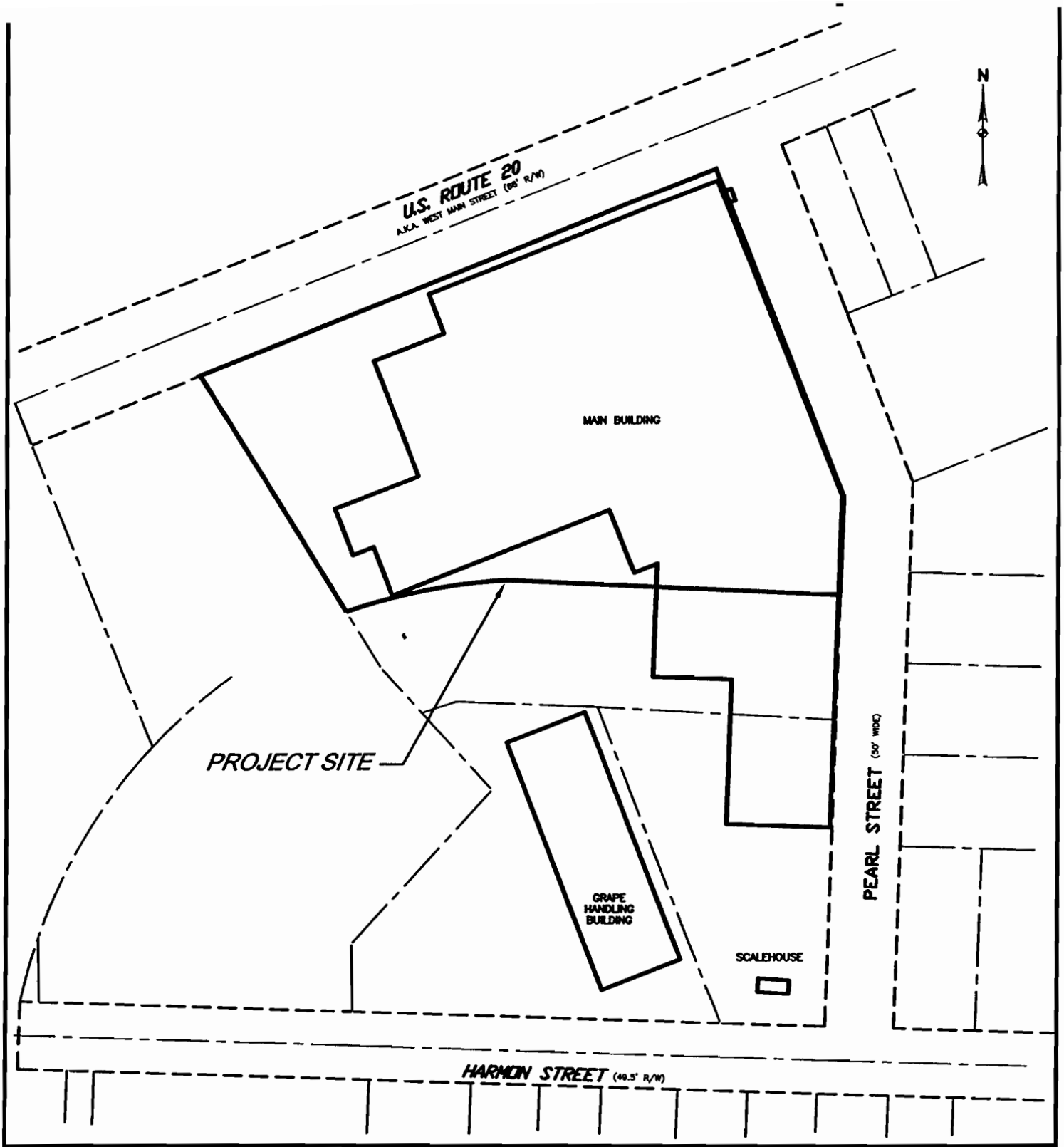


SITE LOCATION MAP

TVGA ENGINEERING, SURVEYING, P.C.
ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS
One Thousand Maple Road, P.O. Box H
Elma, NY 14059-0264
(716) 655-8842
Fax: (716) 655-0937

SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
FORMER WELCH FOODS, INC. SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

PROJECT NO.	SCALE:	DATE:	
200403	NOT TO SCALE	4/14/00	**FIGURE NO. 1**



SITE PLAN

TVGA ENGINEERING, SURVEYING, P.C.
ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS
One Thousand Maple Road, P.O. Box H
Elma, NY 14059-0264
(716) 655-8842
Fax: (716) 655-0937

SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
FORMER WELCH FOODS, INC. SITE
54 WEST MAIN STREET
BROCTON, NEW YORK

PROJECT NO. 200403	SCALE: NOT TO SCALE	DATE: 10/26/00	FIGURE NO. 2

U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET

PEARL STREET

FORMER W.N.Y. & P.A. RAILROAD

UTILITY POLE
8" CONC. CURB
O.H.W.
GUY WIRE
CONCRETE WALK
BUSH
SIGN
SUMP
MW05
MW06
MW01
MW02
MW03
MW04
SP04
C.B.
TB01
TB02
TB03
TB04
TB05
SS01
5 FT. CHAIN LINK
CONC.
UP
STORES
PAINT RM.
COLD STORAGE #5
41
42
43
44
COLD STORAGE #6
COLD STORAGE OVERNITE
INDUSTRIAL FILTER
COOLING PLATFORM
COOLING RM
MACHINE SHOP
F.D.
DR01
SP01
SP02
SP05
SP06
STORM SEWER
COMPRESSOR RM.
STORAGE
TANK #1
TANK #2
TANK #3
TANK #4
TANK #5
TANK #6
TANK #7
TANK #8
TANK #9
TANK #10
TANK #11
TANK #12
TANK #13
TANK #14
TANK #15
TANK #16
TANK #17
TANK #18
TANK #19
TANK #20
TANK #21
TANK #22
TANK #23
TANK #24
TANK #25
TANK #26
TANK #27
TANK #28
TANK #29
TANK #30
TANK #31
TANK #32
TANK #33
TANK #34
TANK #35
TANK #36
TANK #37
TANK #38
TANK #39
TANK #40
UNEXCAVATED
TRENCH
PRESS PLATFORM
JUICE COLLECTION
TRENCH DRAIN
BOILER ROOM
GREASE RM
COAL POCKET
SUMP PUMP
TP01
TP02
TP03
TP04
TP05
TP06
TR01
TR02
TR03
TR04
TRANSFORMER ROOM
RR SWITCH
CONC. RM.
FREEZER RM.
53 TANK RM.
WOOD DEBRIS PILE
CONCRETE STEP
HYDRANT
GREEN AREA BETWEEN
EDGE OF PAVEMENT

MONITORING WELL COORDINATE TABLE

*SEE MAP FOR ELEVATIONS

MONITORING WELL	NORTHING	EASTING
MW1	9752.43	10216.72
MW2	9678.64	10440.21
MW3	9627.88	10248.74
MW4	9807.60	10562.82
MW5	9970.64	10488.82
MW6	9898.46	10299.25

LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

FORMER WELCH FOODS, INC.
SITE 54 WEST MAIN STREET
BROCTON, NEW YORK

SCALE 1"= 20'

BASEMENT

FIGURE NO. 3
SAMPLE LOCATION PLAN

TVGA ENGINEERING, SURVEYING, P.C.
ENGINEERS • SURVEYORS • PHOTOGRAMMETRISTS
1000 MAPLE ROAD, P.O.BOX H
ELMA, NEW YORK 14059-0264
TEL.(716) 655-TVGA
FAX (716) 655-0937

U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET

UTILITY POLE
8" CONC. CURB
O.H.W.
GUY WIRE
CONCRETE WALK
BUSH
MW06
MW05
SIGN
SUMP
C.B.
TB05
CONCRETE WALK
CONC
TANK ROOM NO. 5
TANK ROOM NO. 6
TANK ROOM NO. 1
TANK ROOM NO. 2
3 FT. CHAIN-LINK
TB01
BLACKTOP
MW01
TRENCH DRAIN
SP03
MAIN BUILDING
BOILER ROOM
TRENCH DRAINS
TANK ROOM NO. 3
TP01
TP02
NO.3 CONC. RM 1965
NO.1 CONC. RM 1955
TRENCH DRAIN
TD01
TANK ROOM NO. 4
TP03
TB02
TP04
TP05
MW04
GREEN AREA BETWEEN
EDGE OF PAVEMENT
PEARL STREET
MW03
TP06
MW02
WOOD DEBRIS PILE
FREEZER ROOM NO. 8
CONCRETE STEP
HYDRANT
FORMER W.N.Y. & P.A. RAILROAD
FREEZER ROOM NO. 9
TANK ROOM NO. 8
TB04

LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

MONITORING WELL COORDINATE TABLE

*SEE MAP FOR ELEVATIONS

MONITORING WELL	NORTHING	EASTING
MW1	9752.43	10216.72
MW2	9678.64	10440.21
MW3	9627.88	10248.74
MW4	9807.60	10562.82
MW5	9970.64	10488.82
MW6	9898.46	10299.25

FORMER WELCH FOODS, INC.
SITE 54 WEST MAIN STREET
BROCTON, NEW YORK
SCALE 1"= 20'

GROUND FLOOR
FIGURE NO. 4
SAMPLE LOCATION PLAN

TVGA ENGINEERING, SURVEYING, P.C.
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FAX (716) 655-0937

U.S. ROUTE 20 (66' R/W)

A.K.A. WEST MAIN STREET

N 68°19'44" E 409.08'

SANITARY MH
RIM: 750.09
8" PVC W. INV 747.64
8" PVC S. INV 747.74

32.73'
34.82'
33.48'
376.35'
403.01'
370.28'
225.12'
58.20'
62.40'
54.73'
65.10'
36.16'
15.47'
169.52'
82.50'
254.04'
228.25' (BUILDING DIM.)
287.00'
S 21°18'01" E
83.50'
73.30'
239.90' (BUILDING DIM.)
759.00'
759.34'
759.56'
755.27'
755.31'
755.21'
758.94'
758.81'
759.02'
758.69'
758.89'
N 31°44'56" W 283.95'
S 31°44'56" E 128.16'
161.84'

8" CONC CURB
O.H.W.
HEDGE
CONCRETE WALK
CONC
SIGN
WV
WHEEL CHAIR RAMP
END OF CURB
EDGE OF PAVEMENT
5 Ft. CHAIN LINK
GREEN AREA BERM

SANITARY MH
RIM: 743.51
8" PVC S. INV 736.66
8" PVC S. INV 739.24
8" PVC E. INV 736.61

MW 5
GROUND EL. 744.49
TOP OF CASING EL. 744.06

MW 6
GROUND EL. 749.33
TOP OF CASING EL. 748.87

2.5'X 2.5' SUMP
RIM EL. 744.59

CATCH BASIN
RIM: 745.70
12" CMP N. INV 743.80
12" CMP S. INV 744.10

TEST BORE 5
ELEV: 747.63

STORM MH
RIM: 748.91
18" TILE N.E. INV 742.73
18" TILE S.W. INV 742.79

CATCH BASIN
RIM: 751.02
12" CMP N. INV 749.22
12" CMP S. INV 749.12

CATCH BASIN
RIM: 755.84
12" CMP N. INV 753.99
12" CMP S. INV 753.97

SANITARY MH
RIM: 756.40
8" PVC N. INV 752.00
8" PVC S. INV 752.02

CONCRETE STEP

MW 4
GROUND EL. 752.73
TOP OF CASING EL. 752.42

TEST BORE 4
ELEV: 758.29

TEST BORE 1
ELEV: 757.50

MW 1
GROUND EL. 758.23
TOP OF CASING EL. 757.9

TEST PIT 1
EL. 759.24

TEST PIT 2
EL. 759.57

TEST PIT 2
EL. 759.66

TEST PIT 3
EL. 760.13

TEST PIT 3
EL. 759.46

TEST BORE 2
ELEV: 759.57

TEST PIT 4
EL. 758.47

TEST PIT 5
EL. 758.32

TEST PIT 6
EL. 758.88

TEST PIT 6
EL. 759.01

MW 3
GROUND EL. 759.44
TOP OF CASING EL. 759.12

MW 2
GROUND EL. 760.23
TOP OF CASING EL. 759.88

CATCH BASIN
RIM EL. 758.35
SUMP EL. 756.05
(FILLED WITH SNOW)

WOOD DEBRIS PILE

3.25 X 3.25
CATCH BASIN
ELEVATION NOT
DETERMINED

NORTHERLY LINE OF LANDS NOW OR FORMERLY OF THE W.N.Y. & P.A. RAILROAD

BRICK, CONCRETE BLOCK, METAL & TILE BUILDING

FORMER W.N.Y. & P.A. RAILROAD

PEARL STREET

H.L.C.S. LOT 20
H.L.C.S. LOT 19

CONTAMINATED FILL AREAS

LEGEND

- GAS LINE MARKER
- SANITARY SEWER MH
- UTILITY POLE
- UTILITY POLE
- MONITORING WELL
- SOIL TEST BORING
- TEST PIT
- ROUND CATCH BASIN
- CATCH BASIN
- FIRE HYDRANT

FORMER WELCH FOODS, INC.
SITE 54 WEST MAIN STREET
BROCTON, NEW YORK
SCALE 1"= 40'

FIGURE NO. 5
CONTAMINATED FILL AREA PLAN

5/24/01 – REVISED MONITORING WELL ELEVATIONS

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TABLES

NUMBERS 1-6

Table 1
Former Welch Foods Site
RAR Cost Estimate
Alternative A

Item	Note	Unit	Quantity	Cost/Unit	Cost
Annual Monitoring & Maintenance [1]					
Site Access Control Observation [2]	Semi-annual inspection of site access controls	event	30	350.00	$10,500.00
Asbestos Air Monitoring [3]	Semi-annual air monitoring for asbestos,	event	30	500.00	$15,000.00
Stormwater Outfall Sampling/ Analysis [4]	Semi-annual sampling, analysis and reporting	event	30	1,800.00	$54,000.00
Subtotal					$79,500.00
Contingencies	15% of Subtotal				$11,925.00
Engineering/Oversight	~~10%~~ 15% of Subtotal				~~$7,950.00~~
Subtotal	MFR				~~$19,875.00~~
Total					~~$99,375.00~~

11925.00
28850.00
$103,350.00

[1] Monitoring and Maintenance twice a year for a 15 year period.
[2] Includes inspection and minimal materials and maintenance of existing site controls.
[3] Includes background and environmental monitoring at two on-site and four off-site locations.
[4] Includes sampling, analysis of sediment, data evaluation and reporting for one composite sample from the off-site stormwater outfall.

rt = round trip
cy = cubic yard
sy = square yard
lf = linear foot
sf = square foot
msf = 1000 square foot
ton = 2,000 pounds
drum = 55 gallon drum

Changes per letter dated 5/10/2002 NCDENR - NYSDEC MFR

Table 2
Former Welch Foods Site
RAR Cost Estimate
Alternative B

Item	Note	Unit	Quantity	Cost/Unit	Cost
Deed Restrictions	Includes one (1) parcel	parcel	1	2,750.00	$2,750.00
Fencing [1]	Six (6) foot chain link	lf	370	16.40	$6,068.00
Secure Building	Doors and windows	each	25	150.00	$3,750.00
Sump Closure	Main and Pearl Streets				
Mob/Demob [1]	Up to 50 Miles	each	1	180.00	$180.00
Sump Cleaning [1]	Includes pumping and hand removal of materials	daily	1	800.00	$800.00
Waste Disposal	Includes Pickup, Transport and Disposal	drum	2	350.00	$700.00
Seal Sump [1]	Includes sealing all pipes in the sump	each	1	1,170.00	$1,170.00
Asbestos Abatement	Friable materials in deteriorated areas				
Building Demolition					
Limited Demolition [1,2]	Deteriorated building areas with friable ACM	cf	51,000	0.33	$16,830.00
Disposal of Building [1,2]	Assumed C&D debris	cy	1,889	8.55	$16,150.00
ACM Abatement					
Pipe Insulation [3]	Aircell, mag and cork mastic	lf	900	25.00	$22,500.00
Duct Insulation [3]	ACM	lf	582.5	20.00	$11,650.00
Floor Debris [3]	ACM	sf	4,950	2.50	$12,375.00
Project/Air Monitoring [4]	Air monitoring and project oversight	daily	15	300.00	$4,500.00
Annual Monitoring & Maintenance [5]					
Site Access Control Observation [6]	Semi-annual inspection of site access controls	event	30	350.00	$10,500.00
Asbestos Air Monitoring [7]	Semi-annual air monitoring for asbestos,	event	30	500.00	$15,000.00
Stormwater Outfall Sampling/ Analysis [8]	Semii-annual sampling, analysis and reporting	event	30	1,800.00	$54,000.00
Subtotal					~~$179,295.83~~

$ 178,923.00

Per letter
TVGA - NYSDEC
5/10/2002

Table 2
Former Welch Foods Site
RAR Cost Estimate
Alternative B

Item	Note	Unit	Quantity	Cost/Unit	Cost
Contingencies	15% of Subtotal				~~$26,894.37~~ 26,838.45
Engineering/Oversight	15% of Subtotal				~~$26,894.37~~ 26,838.45
Subtotal					~~$53,788.75~~ 53676.90
Total					~~$233,084.58~~ 232,599.90

[1] Source is *2002 RSMeans Heavy Construction Cost Data 16th Edition.*
[2] Demolition cost may vary significantly depending upon market conditions and the amount of salvageable materials.
[3] Source is Asbestos Abatement Cost Estimate prepared by Watts Engineers, dated October 4, 2001.
[4] Required air monitoring and analysis during abatement also third party administration.
[5] Monitoring and Maintenance twice a year for a 15 year period.
[6] Includes inspection and minimal materials and maintenance of existing site controls.
[7] Includes background and environmental monitoring at two on-site and four off-site locations.
[8] Includes sampling, analysis of sediment, data evaluation and reporting for one composite sample from the off-site stormwater outfall.

LeHer TVGA - MSDGC 5/10/2002 MF

rt = round trip
cy = cubic yard
sy = square yard
lf = linear foot
sf = square foot
msf = 1000 square foot
ton = 2,000 pounds
drum = 55 gallon drum

Table 3
Former Welch Foods Site
RAR Cost Estimate
Alternative C

Item	Note	Unit	Quantity	Cost/Unit	Cost
Deed Restrictions	Includes one (1) parcel	parcel	1	2,750.00	$2,750.00
Fencing [1]	Six (6) foot chain link	lf	370	16.40	$6,068.00
Secure Building	Doors and windows	each	25	150.00	$3,750.00
Soil Cover	Approximately 1/3 acre				
Mob/Demob [1]	Up to 50 Miles	rt	1	180.00	$180.00
Site Preparation [1]	Clear and grub	acre	0.30	2,900.00	$870.00
Backfill Transport [1]	Two (2) loads/hr	cy	750	8.65	$6,487.50
Backfill [1]	1.5' Material Dumped	cy	750	1.43	$1,072.50
Spread/Grade [1]	Spread with dozer	cy	750	4.14	$3,105.00
Topsoil Buy and Place [1]	Spread topsoil 0.5' deep	cy	250	16.35	$4,087.50
Seed/Mulch/Fertilize [1]	Tractor spread lawn mix	msf	13	17.80	$231.40
Sump/Drain Closure	Sumps, floor drains and trench drains				
Mob/Demob [1]	Up to 50 Miles	rt	1	350.00	$350.00
Pipe Cleaning [1]	Clean ends only, average 6" diameter pipe	lf	100	7.50	$750.00
Sump Cleaning [1]	Includes pumping and hand removal of materials	daily	10	800.00	$8,000.00
Waste Disposal [1]	Includes Pickup, Transport and Disposal	drum	140	150.00	$21,000.00
Sump Closure [1]	Includes sealing all pipes in the sump	each	7	1,170.00	$8,190.00
Sump Closure [1]	Large sump near Transformer Room	each	1	5,850.00	$5,850.00
Full Seal [1]	Floor Drains - includes 6" seal in 4" diameter pipe	drain	10	168.00	$1,680.00
Full Seal [1]	Trench Drains - includes 6" seal in 6" pipe.	drain	15	195.00	$2,925.00
Equipment Removal					
Mob/Demob [1]	Up to 50 Miles	rt	1	180.00	$180.00
Removal of Ballasts [1]	Removal only	each	60	85.00	$5,100.00
Removal of Transformer [1]	Dry Type	each	10	340.00	$3,400.00
Disposal/Recycling	PCB containing ballasts	drum	1	2,500.00	$2,500.00
Removal of Switches [1]	Removal only	each	8	65.00	$520.00
Disposal/Recycling	Mercury containing	drum	1	1,750.00	$1,750.00
Asbestos Abatement	Includes limited building demolition				
Building Demolition					
Limited Demolition [1,2]	Deteriorated building areas with friable ACM	cf	51,000	0.33	$16,830.00
Disposal of Building [1,2]	Assumed C&D debris	cy	1,889	8.55	$16,150.00

Table 3
Former Welch Foods Site
RAR Cost Estimate
Alternative C

Item	Note	Unit	Quantity	Cost/Unit	Cost
ACM Abatement					
Pipe Insulation [3]	Aircell, mag and cork mastic	lf	900	25.00	$22,500.00
Duct Insulation [3]	ACM	lf	582.5	20.00	$11,650.00
Floor Debris [3]	ACM	sf	4,950	2.50	$12,375.00
Project/Air Monitoring [4]	Air monitoring and project oversight	daily	15	300.00	$4,500.00
Annual Monitoring & Maintenance [5]					
Asbestos Air Monitoring [6]	Semi-annual air monitoring for asbestos,	event	30	500.00	$15,000.00
Stormwater Outfall Sampling/ Analysis [7]	Semi-annual sampling, analysis and reporting	event	30	1,800.00	$54,000.00
Subtotal					$243,801.90

Contingencies	15% of Subtotal				$36,570.29
Engineering/Oversight	15% of Subtotal				$36,570.29
Subtotal					$73,140.57

Total	$316,942.47

[1] Source is *2002 RSMeans Heavy Construction Cost Data 16th Edition.*
[2] Demolition cost may vary significantly depending upon market conditions and the amount of salvageable materials.
[3] Source is Asbestos Abatement Cost Estimate prepared by Watts Engineers, dated October 4, 2001.
[4] Required air monitoring and analysis during abatement also third party administration.
[5] Monitoring and Maintenance twice a year for a 15 year period.
[6] Includes background and environmental monitoring at two on-site and four off-site locations.
[7] Includes sampling, analysis of sediment, data evaluation and reporting for one composite sample from the off-site stormwater outfall.

rt = round trip
cy = cubic yard
sy = square yard

Table 4
Former Welch Foods Site
RAR Cost Estimate
Alternative D

Item	Note	Unit	Quantity	Cost/Unit	Cost
Asphalt Cap					
Mob/Demob [1]	Up to 50 Miles	rt	1	180.00	$180.00
Site Preparation [1]	Clear and grub	acre	0.3	2900.00	$870.00
Stone Fill Transport [1]	Two (2) loads/hr	cy	250	8.65	$2,162.50
Spread/Grade [1]	Spread with dozer 6"	cy	250	4.14	$1,035.00
Asphaltic Wear Course [1]	6" stone base, 2" binder course and 1" top course	sf	13,000	1.73	$22,490.00
Equipment Removal					
Mob/Demob [1]	Up to 50 Miles	rt	1	180.00	$180.00
Removal of Ballasts [1]	Removal only	each	60	85.00	$5,100.00
Removal of Transformer [1]	Dry Type	each	10	340.00	$3,400.00
Disposal/Recycling	PCB containing ballasts	drum	1	2,500.00	$2,500.00
Removal of Switches [1]	Removal only	each	8	65.00	$520.00
Disposal/Recycling	Mercury containing	drum	1	1,750.00	$1,750.00
Drain/Pipe Removal	Includes ACM abatement and building demolition				
ACM Abatement					
Boiler Insulation [3]	Includes ACM debris on floor	ea.	3	20,000.00	$60,000.00
Hot Water Tank [3]	Includes ACM debris on floor	lf	420	25.00	$10,500.00
Pipe Insulation [3]	Aircell, mag and cork mastic	lf	3,600	25.00	$90,000.00
Duct Insulation [3]	ACM	lf	2,330	20.00	$46,600.00
Floor Tile [3]	ACM	sf	1,410	3.25	$4,582.50
Floor Tile Mastic [3]	ACM	lf	1,765	2.25	$3,971.25
Window Caulk [3]	ACM	ea.	50	200.00	$10,000.00
Louvers [3]	ACM	ea.	5	100.00	$500.00
Tar Paper [3]	ACM	sf	5	10.00	$50.00
Fire Door [3]	ACM	ea.	1	100.00	$100.00
Floor Debris [3]	ACM	sf	15,000	2.50	$37,500.00
Project/Air Monitoring [4]	Air monitoring and project oversight	daily	120	300.00	$36,000.00
Building Demolition					
Building Demolition [1,2]	Building areas	cf	735,000	0.33	$242,550.00
Tank Demolition [1,2]	Concrete holding tanks	sf	21,000	16.80	$352,800.00
Disposal of Building [1,2]	Assumed C&D debris	cy	28,000	8.55	$239,400.00

Table 4
Former Welch Foods Site
RAR Cost Estimate
Alternative D

Item	Note	Unit	Quantity	Cost/Unit	Cost
Drain/Pipe Removal					
Foundation Excavation [1]	6" Thick reinforced concrete, with rods	sf	5,000	5.60	$28,000.00
Pipe Removal [1]	Up to 12" dia. pipe	lf	2,500	6.50	$16,250.00
Loading [1]	One (1) cy backhoe	cy	200	9.30	$1,860.00
Pipe & Waste Disposal [1,2]	Roll-offs, includes transport and disposal	cy	200	100.00	$20,000.00
Disposal of Concrete [1,2]	Assumed C&D debris	cy	2,000	8.55	$17,100.00
Subtotal					$1,257,951.25

Contingencies	15% of Subtotal				$188,692.69
Engineering/Oversight	10% of Subtotal				$125,795.13
Subtotal					$314,487.81

Total	$1,572,439.06

[1] Source is *2002 RSMeans Heavy Construction Cost Data 16th Edition.*

[2] Demolition cost may vary significantly depending upon market conditions and the amount of salvageable materials.

[3] Source is Asbestos Abatement Cost Estimate prepared by Watts Engineers, dated October 4, 2001.

[4] Required air monitoring and analysis during abatement also third party administration.

rt = round trip
cy = cubic yard
sy = square yard
lf = linear foot
sf = square foot

Table 5
Former Welch Foods Site
RAR Cost Estimate
Alternative E

Item	Note	Unit	Quantity	Cost/Unit	Cost
Soil Removal/Fill					
Mob/Demob [1]	Up to 50 Miles	1	2	180.00	$360.00
Site Preparation [1]	Clear and grub	acre	0.3	2,900.00	$870.00
Soil Excavation [1]	Wheel mounted backhoe	cy	1550	4.44	$6,882.00
Soil Transport [1]	12 cy truck	cy	1550	21.00	$32,550.00
Soil Disposal [2]	Non-hazardous contaminated soil	ton	2325	12.00	$27,900.00
Backfill Transport [1]	3.3 loads/hr	cy	1250	5.15	$6,437.50
Backfill [1]	Spread, dumped fill	cy	1250	1.43	$1,787.50
Spread/Grade [1]	Spread with dozer	cy	1250	4.14	$5,175.00
Topsoil Buy and Place [1]	Spread topsoil 0.5' deep	cy	300	16.35	$4,905.00
Seed/Mulch/Fertilize [1]	Tractor spread lawn mix	msf	17.9	17.80	$318.62
Equipment Removal					
Mob/Demob [1]	Up to 50 Miles	rt	1	180.00	$180.00
Removal of Ballasts [1]	Removal only	each	60	85.00	$5,100.00
Removal of Transformer [1]	Dry type	each	10	340.00	$3,400.00
Disposal/Recycling	PCB containing ballasts	drum	1	2,500.00	$2,500.00
Removal of Switches [1]	Removal only	each	8	65.00	$520.00
Disposal/Recycling	Mercury containing	drum	1	1,750.00	$1,750.00
Drain/Pipe Removal	Includes ACM abatement and building demolition				
ACM Abatement					
Boiler Insulation [1]	Includes ACM debris on floor	ea.	3	20,000.00	$60,000.00
Hot Water Tank [1]	Includes ACM debris on floor	lf	420	25.00	$10,500.00
Pipe Insulation [1]	Aircell, mag and cork mastic	lf	3,600	25.00	$90,000.00
Duct Insulation [1]	ACM	lf	2,330	20.00	$46,600.00
Floor Tile [1]	ACM	sf	1,410	3.25	$4,582.50
Floor Tile Mastic [1]	ACM	lf	1,765	2.25	$3,971.25
Window Caulk [1]	ACM	ea.	50	200.00	$10,000.00
Louvers [1]	ACM	ea.	5	100.00	$500.00
Tar Paper [1]	ACM	sf	5	10.00	$50.00
Fire Door [1]	ACM	ea.	1	100.00	$100.00
Floor Debris [1]	ACM	sf	15,000	2.50	$37,500.00
Project/Air Monitoring [3]	Air monitoring and project oversight	daily	120	300.00	$36,000.00
Building Demolition					
Building Demolition [1]	Building areas	cf	735,000	0.33	$242,550.00
Tank Demolition [1]	Concrete holding tanks	sf	21,000	16.80	$352,800.00
Disposal of Building [1]	Assumed C&D debris	cy	28,000	8.55	$239,400.00

Table 5
Former Welch Foods Site
RAR Cost Estimate
Alternative E

Item	Note	Unit	Quantity	Cost/Unit	Cost
Drain/Pipe Removal					
Foundation Excavation [1]	6" Thick reinforced concrete, with rods	sf	5000	5.60	$28,000.00
Pipe Removal [1]	Up to 12" dia. pipe	lf	2500	6.50	$16,250.00
Loading [1]	One (1) cy backhoe	cy	200	9.30	$1,860.00
Pipe & Waste Disposal [1]	Roll-offs, includes transport and disposal	cy	200	100.00	$20,000.00
Disposal of Concrete [1]	Assumed C&D debris	cy	2000	8.55	$17,100.00
Subtotal					$1,318,399.37
Contingencies	15% of Subtotal				$197,759.91
Engineering/Oversight	10% of Subtotal				$131,839.94
Subtotal					$329,599.84
Total					$1,647,999.21

[1] Source is *2002 RSMeans Heavy Construction Cost Data 16th Edition.*
[2] Demolition cost may vary significantly depending upon market conditions and the amount of salvageable materials.
[3] Source is Asbestos Abatement Cost Estimate prepared by Watts Engineers, dated October 4, 2001.
[4] Required air monitoring and analysis during abatement also third party administration.

rt = round trip
cy = cubic yard
sy = square yard
lf = linear foot
sf = square foot

TABLE 6
FORMER WELCH FOODS SITE
COMPARISON OF REMEDIAL ALTERNATIVES

CRITERIA	REMEDIAL ALTERNATIVES									
	ALTERNATIVE A		ALTERNATIVE B		ALTERNATIVE C		ALTERNATIVE D		ALTERNATIVE E	
	RATING/SCORE									
OVERALL PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT	LOW	1	LOW	1	MEDIUM	2	HIGH	3	HIGH	3
COMPLIANCE WITH SCG	LOW	1	LOW	1	MEDIUM	2	HIGH	3	HIGH	3
SHORT-TERM EFFECTIVENESS	LOW	1	LOW-MEDIUM	1.5	MEDIUM	2	HIGH	3	HIGH	3
LONG-TERM EFFECTIVENESS	LOW	1	LOW-MEDIUM	1.5	MEDIUM	2	HIGH	3	HIGH	3
REDUCTION OF TOXICITY, MOBILITY AND VOLUME	LOW	1	LOW	1	LOW-MEDIUM	1.5	MEDIUM-HIGH	2.5	HIGH	3
FEASIBILITY	LOW	1	LOW-MEDIUM	1.5	LOW-MEDIUM	1.5	HIGH	3	MEDIUM-HIGH	2.5
AGGREGATE SCORE		**6**		**7.5**		**11**		**17.5**		**17.5**

APPENDIX A

SUMMARY OF ASBESTOS-CONTAINING MATERIAL

SUMMARY OF ASBESTOS-CONTIANING MATERIALS

FORMER WELCH FOODS SITE (NYSDEC NO. BOO147-9)
54 WEST MAIN STREET
VILLAGE OF BROCTON, CHAUTAUQUA COUNTY, NEW YORK

IDENTIFIED ACM	LOCATION	APPROXIMATE QUANTITY
Boiler Insulation	Boilers #1 and #2	960 square feet
Boiler Insulation	Boiler #3	260 square feet
Hot Water Tank Insulation	Bottom of stairs by west entrance	420 square feet
Pipe Insulation (Includes Mag, Aircell, and Cork Mastic)	Throughout building	1,800 linear feet
Duct Insulation	Second floor warehouse and bottling room	2,330 square feet
Floor Tile	Second floor office area	1,410 square feet
Floor Tile Mastic *	Second floor office area	1,765 square feet
Window Caulk	Perimeter of all windows	50 windows
Caulk Around Louvers	Perimeter of all louvers	5 louvers
Tar Paper on Section of Wall	West of Tank # 11	4 square feet
Fire Door	Second floor stairwell	1 door
Roofing ** Built-up/Rolled/Tars	Entire roof	60,000 square feet
Roof Flashing and all Associated Mastics	Perimeter of entire roof	2,500 square feet
Sealant on Parapet	On parapet walls	350 linear feet
Black Sealant on Bricks	On parapet walls	1,000 square feet
Debris on Floor	Boiler rooms and other areas	15,000 square feet

* Some floor tile has been removed, however, the floor tile mastic remains. Therefore, the quantity of floor tile mastic is greater than the quantity of floor tile.

** For the purpose of this report, all roof levels are considered asbestos-containing.