BARENCO INC.

Phase I and II Environmental Assessment

2202 3rd Avenue East
Owen Sound, Ontario

April 10, 2008

For

Rafa Corporation
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1.0 INTRODUCTION

1.1 Terms of Reference

Barenco Inc. was retained by Rafa Corporation to conduct a Phase I and II Environmental Assessment at the property located at 2202 3rd Avenue East in Owen Sound, Ontario. In the past, the property had been used for industrial purposes. Currently, the property is vacant, but future use will be residential.

The objective of this Phase I work was to determine whether, within the sources of information outlined below, there exists publicly available, predominantly documentary indications of environmental impairment relating to historical land uses.

The Phase I environmental assessment involved a search of historical records pertaining to the site and surrounding properties, a review of previous environmental reports provided by the client, and a walk-by inspection of the site and the surrounding properties. Historical sources of information included archival air photographs, street directories, a search of fire insurance records, selected Ministry of the Environment (MOE) databases and inventories, and available reports. Although Barenco Inc. made requests for the information available from the operators of these databases, there are inherent limitations and uncertainties in the data provided in that the available data could be an incomplete or inaccurate reflection of historical conditions, and the searches may not have turned up all available relevant data. Due to the historical and documentary nature of the sources consulted, no verification of the accuracy or completeness of the data was made by Barenco Inc. and statements made by others were not verified for accuracy.

Barenco Inc. performed the Phase I environmental assessment following the principles of the *Canadian Standards Association Z768 Guideline* and in accordance with generally accepted professional practices related to the nature of the work accomplished at the time and place the services were performed. Subject to this standard of care, Barenco Inc. makes no express or implied warranties regarding its services nor the completeness nor accuracy of any data used in this report. No third-party beneficiaries are intended. Barenco Inc.'s Terms and Conditions are attached in Appendix A.

Whenever professional consulting services are applied to determine the composition of a site's subsurface or the existence or non-existence of contamination, special risks occur and guarantees cannot be expected. Barenco Inc. cannot eliminate these risks altogether, but Barenco Inc. applies

professional techniques to reduce these risks to a level deemed tolerable for the land use proposed at the time of the assessment. There may be additional techniques beyond this Phase I scope of work that could further reduce the risk. If requested, Barenco Inc. can make recommendations in this regard.

2.0 SITE BACKGROUND

2.1 Site Description

The property is located at 2202 3rd Avenue East in Owen Sound, Ontario. A locality plan is provided as Figure 1.

The subject property is located to the south of 24th Street East and to the north of 18th Street East on the west side of 3rd Avenue East. The subject property occupies an area of approximately 5.5 hectares (13.5 acres) and is bordered by Georgian Bay to the west. Concrete pads and foundation footings surrounded by paved and gravel driveways from the former industrial buildings were observed on the property. The remainder of the property was covered in vegetation at the time of the site visit. Site photographs are included in Appendix B and a site plan showing the location of the former buildings is included as Figure 2.

The subject property was developed for industrial use in the late 1800s. Occupants included a ship building company (Russel Brothers Limited) and a cement manufacturing operation (1894 to 1912). Historical documents supplied by the client for review by Barenco also indicate past tenants on the property have included a foundry, a furniture manufacturer and a second cement manufacturing company. According to previous reports, the Russel Brothers facility occupied the property from approximately 1925 to the early 1990s. The facility reportedly included ship building and heavy steel fabrication and manufacturing including diesel, automotive, industrial and marine engines.

For the purpose of this Phase I environmental assessment, site north is assumed to be parallel to 3rd Avenue East. The property is bounded by the former Empire Stove property to the north (currently residential buildings), residential homes to the east, Owen Sound Waste Water Treatment Plant to the south and Owen Sound Harbour (Georgian Bay) to the west.

2.2 Historical Documentation

A search of historical documents for the area was conducted to determine the

use of the land and the surrounding properties. The documentation review involved an examination of municipal directories at the Toronto Reference Library. Archival air photos were requested from the National Air Photo Library. A search of documentation on file with CGI Environmental Services' Historical Environmental Reporting System (HEIRS™) was also requested. A fire insurance plan from 1946 was retrieved and reviewed through this search.

A search of federal and provincial government and private source databases was conducted through EcoLog Environmental Risk Information Services Ltd. (ERIS). Historical records were requested from the Ministry of Environment's (MOE) and the City of Owen Sound Freedom of Information (FOI) offices. A search of the Ministry of Environment's Environmental Bill of Rights Registry was conducted online for the municipal area of the subject property.

2.2.1 Aerial Photographs

Aerial photographs of the area were obtained from the National Air Photo Library for the years 1966, 1973 and 1987. Copies of these photographs are provided in Appendix C.

In the 1966 photograph, the subject property is only partially visible. The portion that can be seen is developed and has a similar building configuration as the site plan (attached as Figure 2). A rail line is visible to the east of the subject property and a parking area can be seen in between the property line and the rail line. A spit is visible running west from the site into the Owen Sound Harbour. To the south of the spit, a small harbour is visible including what appears to be train tracks extending into the water. The areas surrounding the buildings on-site appear to be paved and are primarily used for parking. To the north of the subject site, a series of buildings are visible (most likely the former Empire Stove facility). To the east of the subject site (across 3rd Avenue East), residential buildings are visible.

In the 1973 photograph, the subject site and surrounding properties appear to have the same configuration as in the 1966 air photograph.

In the 1987 photograph, the subject property is only partially visible (does not include entire spit extending into the Owen Sound Harbour). The building configuration appears to be the same as in the 1966 and 1973 air photographs. To the north of Building 3 (refer to the site plan attached as Figure 2), there appears to be several rail cars. To the south of the property, it appears that the Owen Sound Waste Water Treatment Plant is being developed.

2.2.2 Municipal Records

Records pertaining to the site were requested through a municipal FOI search request through the City of Owen Sound. A response that included the historical location of landfill sites in Owen Sound was provided to Barenco for review. According to the municipal information provided, a landfill was reportedly located just west of 3rd Avenue East on the northern portion of the subject property. This landfill was reportedly closed in October 1952 and contained urban municipal domestic waste.

A search for municipal records was also conducted at the Toronto Reference Library. Street directories for the City of Owen Sound published in 1928, 1968, 1977 and 1989 were reviewed.

The subject property was not listed in the 1928 street directory. Russel Brothers Ltd. was listed as occupying the subject property from 1968 to 1989.

The north adjacent property (2362 3rd Avenue East) was listed as Empire Stove Works in 1928, as Jones-Taggart Trance Company in 1968, as Black Clawson Kennedy Company in 1977 and as Thom Construction Inc. in 1989.

Further north, 2600 3rd Avenue East was listed as residential in 1968, and as the Neath R H Water Purification Plant in the 1977 and 1989 street directories.

The south adjacent property (2198 3rd Avenue East) was listed as 'not built on' in 1928, vacant in 1968 and 1977 and 'not listed' in 1989. Further south, at 2050 3rd Avenue East, the property was listed in the 1968 street directory as the Owen Sound Water Pollutant Control plant, and as the MOE Sewage Treatment Plant in the 1977 and 1989 street directories.

2.2.3 MOE Documentation

Records pertaining to the site were requested through the MOE's FOI Act. One record was retrieved and was reviewed by Barenco. The record consisted of a letter dated June 12, 1990 from the MOE to Mr. R. J. Allan at Russel Brothers. The letter was in reference to a generator registration report dated February 28, 1986 and stipulated that the generator number assigned to the subject property was ON0218000. Wastes listed under this generator number included waste hydraulic oil (Shell Tellus 32), waste hydraulic oil (Shell Tellus 68), waste xylol solvent, spent petroleum distillates, paint sludge and polychlorinated biphenyl (PCB) waste.

2.2.4 TSSA Documentation

The Technical Standards and Safety Authority (TSSA), Fuels Safety Division, was contacted for records of underground storage tanks or other fuel handling equipment on the subject property. Mr. Prem Lal (Coordinator Public Information Services, Fuels Safety Division, TSSA) was contacted by telephone on August 24, 2007. Mr. Lal stated that the TSSA does not have any records on file pertaining to the subject site.

2.2.5 Areas of Natural and Scientific Interest (ANSI)

Information provided by the Ministry of Natural Resources' (MNR) website indicated that there were no areas of natural and scientific interest in the vicinity of the subject property.

2.2.6 Fire Insurance Maps and Reports

A search of fire insurance plans of the subject property and surrounding area was conducted at the Toronto Reference Library. Fire insurance plans dated 1931 and 1946 showing the subject property were reviewed.

CGI Environmental Services' Historical Environmental Reporting System (HEIRS™) was also contacted for information pertaining to sites in the vicinity of the site. A fire insurance plan from 1946 was provided to Barenco for review and is included as Appendix D.

The 1931 fire insurance plan shows four buildings on the property. Two of the buildings are listed as being vacant and one is listed as being in ruins ("stone walls fifteen feet high"). The north adjacent property is shown as being occupied by Empire Stove & Furnace Co. Limited. The facility includes an enameling department, a milling room and a moulding shop. One underground storage tank is shown on the north side of the Empire Stove & Furnace Co. Limited property. The south adjacent property is shown as being occupied by elevated tramways. The Canadian Pacific Railway is shown to the east of the subject property (along 3rd Avenue East).

The 1946 fire insurance plan shows the subject property as being occupied by Russel Brothers Limited (manufacturing of steel boats and diesel engines). One underground storage tank and four rail spurs are shown as being located on the property. The Russel Brothers Limited facility includes a fitting shop, lumber

storage, boat building facility, a machine and generator shop and a steel storage building.

2.2.7 EcoLog ERIS Database Search

A search of provincial, federal and private databases for records pertaining to properties within 250 metres of the centre of the subject property was conducted by EcoLog ERIS. Barenco has confirmed neither the completeness nor the accuracy of the records that were provided. A copy of the EcoLog ERIS report is included in Appendix E.

Several records were found that pertained to the subject property. The relevant listings are explained in further detail below.

The following listings pertaining to the subject property were found in the Ontario Regulation 347 Waste Generators Summary:

- Russel Brothers for paint/pigment/coating residues, aromatic solvents, petroleum distillates, waste oils & lubricants and PCBs from 1986 to 1990 and from 1992 to 2001 (generator #ON0218000) relating to the plate work industry
- Owen Sound (Corporation of the City) for PCBs and oil skimmings & sludges from 1996 to 2004 (generator #ON0393505)
- 982435 Ontario Ltd. for PCBs from 1994 to 1998 (generator #ON1924400) relating to a truck and bus body shop

Four listings pertaining to the subject property were found in the National PCB Inventory. These listings indicated that PCBs were stored for disposal on the subject property in 1995 and 1996 (two of the records were undated).

Five listings pertaining to the subject property were found in the Inventory of PCB Storage Sites. These listings indicated that the former Russel Brothers Plant had an inventory of PCB containing material during the years 1995, 1998 to 2000 and 2003 to 2004. The listings include:

- 12 capacitors with a high level of PCBs (>1000ppm)
- 289 kilograms of bulk liquid with low level PCBs (<1000ppm)
- 1,400 kilograms of liquid in transformers with low level PCBs (<1000ppm) in two transformers
- 1 drum of other material with low level PCBs (<1000ppm)

- 150 kilograms in one drum of other material with low level PCBs (<1000ppm)

One listing pertaining to the subject property was found in the Occurrence Reporting Information System database. This listing indicated that a small amount of capacitor oil was released to the ground due to a container leak. The listing did not indicate the date of the spill or if an environmental impact was anticipated.

Other listings included in the EcoLog ERIS report in the vicinity of the subject property were not deemed to be of environmental significance to the site.

2.2.8 Environmental Bill of Rights Registry

The Ministry of the Environment's Environmental Bill of Rights Registry was searched online for any listings pertaining to the subject property and/or the properties in the vicinity of the subject site. There were no listings pertaining to the subject property or to the properties in the surrounding area.

2.2.9 Brownfield Environmental Site Registry

The MOE Brownfield Site Registry was searched online for any record of site condition (RSC) posted for the subject property and/or the surrounding properties. No RSCs have been filed for the subject property. There were four brownfield sites registered in Owen Sound, Ontario. The closest brownfield was registered at 1450 7th Avenue East, approximately 1.8 km south of the property.

2.2.10 Hazardous Waste Information Network (HWIN)

The MOE Hazardous Waste Information Network (HWIN), a web-based system that allows generators, carriers and receivers of hazardous wastes to register their activities with the MOE, was searched online for any listings pertaining to the subject property and/or the surrounding properties. There were no listings for any active generators of hazardous wastes on the subject property.

One listing was found for the City of Owen Sound Facilities (1900 3rd Avenue East). The wastes listed for this waste generator were brines, chlor-alkali wastes and liquid industrial waste.

2.3 Previous Reports

Reports provided to Barenco for review include:

- *Phase I Environmental Audit, Russel Bros. Site, Owen Sound, Ontario*, dated December 4, 1992 prepared by Terraprobe Limited

- *Phase I Environmental Site Assessment, Former Russel Brothers Site*, dated June 1997 prepared by CH2M Gore & Storrie Limited (CG&S)

- *Phase II Environmental Site Assessment, Former Russel Brothers Site*, dated September 1997 prepared by CG&S

- *Phase II Environmental Site Assessment* dated 2000 prepared by Conestoga-Rovers & Associates (CRA)

- *Phase III Environmental Site Assessment, Former Russel Brothers Property, East Harbour, Owen Sound, Ontario*, dated July 20, 2001 prepared by Rubicon Environmental Inc.

- *Risk Assessment Feasibility Analysis for Separation Zone, Former Russel Brothers Property, Owen Sound, Ontario* dated January 2006 prepared by CRA

- *Preliminary Geotechnical Investigation* dated 2000 prepared by CRA

A letter re: *Soil Quantity Estimates and Budget Level Estimate of Remediation Costs at the Former Russel Brothers Site, Owen Sound, Ontario* was also provided to Barenco for review. The letter was prepared by CH2M Hill and was dated September 19, 2005.

Phase I Environmental Audit (1992)
Terraprobe Limited

In December 1992, Terraprobe, retained by Designers Collaborative, completed a Phase I Environmental Audit for the Russel Brothers property. At the time of the environmental audit, the ship building plant was still operating and all four main buildings were present.

Terraprobe outlined the former use of each building as is summarized below:

Building 1 - "Boat Shop"

Building 1 was reported to have been a two-storey, clapboard structure with concrete floors and a central open area. Small vacant offices were located on the second floor. At the time of their report, the building was being used for welding, fabricating and some minor painting of products. The concrete floor appeared to be in good condition (no floor drains or major areas of staining). No long-term storage of chemicals was observed. Black staining was however observed on the gravel outside the exit doors on the north side of the building. Terraprobe noted that it was most likely due to residual paint or oil products.

Building 2 - Offices and Crane Assembly

Building 2 was reported to have been a two-storey brick and wooden structure. At the time of their report, the building contained fifteen offices. The open portion of the building housed a cran assembly area with concrete floors. Several underfloor drains were noted. In the south portion of the building, a storage area for parts and machinery was observed.

Building 3 - "Machine Shop"

Building 3 was reported to have been a two-storey clapboard building used for the machining of parts. Machines in use included milling machines, a horizontal boring mill, a vertical boring mill and a drill press. In the western portion of the building, there was a second storey of vacant offices.

A small room labelled "PCB Storage" was noted on the north side of the building. This was not in use at the time of the Terraprobe site visit and had reportedly been used to store old electrical apparatus including capacitors prior to transport off-site. The concrete floor just outside the PCB storage room was reported to be stained and flaking. Otherwise, the concrete floors in the rest of the building were reported to be in good condition. Previously, the building had included a carpentry shop and had been used for work on boats. No long term storage of chemical or liquid materials were observed. An area of black staining was observed on the gravel outside the northeast corner of the building.

Building 4 - Manufacturing Shop

At the time of the Terraprobe site visit, Building 4 was reported to be a two-storey metal building containing a fabricating area (including welding and large

machine presses). In the western portion of the building, a paint booth was observed. The northwest portion of the building reportedly contained a paint storage area consisting of five metal storage cupboards for paints and thinners.

In their report, Terraprobe outlined the property conditions and gave observations of surrounding areas in order to provide recommendations. Twenty-seven areas of concern were identified and twelve test pits (TP1 to TP12) were advanced to depths ranging from 1.8 metres to 3.9 metres below grade. Slag and black foundry sand were observed in fill material in some of the test pits. Solvent and petroleum odours were noted in a few of the excavated test pits located near former Buildings 3 and 4.

Terraprobe indicated that the property had been used for heavy industrial activities since the late 1800s. These activities reportedly included metal fabricating and welding, the use of cutting oils and various paints and solvents, the use of various fuels including gasoline and diesel, and the creation of wood waste and sawdust from various former site operations. They recommended excavating the solvent and petroleum hydrocarbon impacted soil material near Buildings 3 and 4 and that further investigations be completed to characterize the soil and ground water quality at the site.

Phase I Environmental Site Assessment (1997)
CH2M Gore & Storrie Limited (CG&S)

In June 1997, CG&S Limited was retained by the City of Owen Sound to complete a Phase I Environmental Site Assessment at the former Russel Brothers industrial property. The property had been vacant since the closure of the plant in 1992. The four main buildings were reportedly demolished in 1993.

CG&S indicated that considerable soil and building rubble materials had been placed over the property as fill, including foundry sand in some areas. Twenty-eight areas of concern were identified on the property. In their conclusions, CG&S recommended that further investigations including the drilling of 15 shallow boreholes and 23 test pits be completed to further characterize the site.

Phase II Environmental Site Assessment (1997)
CH2M Gore & Storrie Limited (CG&S)

In September 1997, CG&S was retained by the City of Owen Sound to complete a

Phase II Environmental Site Assessment at the former Russel Brothers industrial property. CG&S advanced 23 test pits (TP1 to TP23) and 15 boreholes (BH1 to BH4; MW1 to MW11), eleven of which included ground water monitors. Slag and scrap metal/iron debris was identified in varying thickness in 9 of the 38 locations. Soil sample results for metals, petroleum hydrocarbons and volatile organic compounds (VOCs) indicated that concentrations above the MOEE 1996 Table B Guidelines existed on-site. The ground water results indicated that there were no exceedances of the MOEE 1996 Table B Guideline criteria (non-potable ground water conditions). Five sediment samples were collected to characterize the sediment quality in the Owen Sound Harbour. The sediment samples were analyzed for metals, PAHs and PCBs. Sediment samples were found to exceed the MOEE 1996 Table E Guideline criteria for several metals.

Phase II Environmental Site Assessment (2000)
Conestoga-Rovers & Associates (CRA)

In November 2000, CRA was retained by City of Owen Sound to complete a Phase II Environmental Site Assessment of the Canadian Pacific (CP) Railway Lands (Mile 105.7 and 107.1) located in Owen Sound, Ontario. The property was located west of 3rd Avenue, between 28th Street East and 95 metres south of 18th Street East. Based on the Phase I ESA completed by CRA in June 2000 (not provided to Barenco for review), several closed waste disposal sites were found to be located adjacent to the CN property. One of these landfill sites was reportedly located on the east side of the CN railway, just east of the former Russel Brothers Limited site.

Five boreholes (MW1 to MW5) and thirteen test pits (TP1 to TP13) were advanced to a depth of 1.5 to 9.1 metres below grade (mbg). Railways ballast material was encountered in all the boreholes and test pit locations in the top 1.5 metres of soil. Soil samples were analyzed for metals, VOCs, PAHs and total petroleum hydrocarbons (TPH). The soil analytical results indicated concentrations of arsenic and PAHs exceeding the MOEE 1996 Table B Guidelines. The ground water analytical results indicated the concentrations of some PAHs also exceeded the MOEE 1996 Table B Guidelines for ground water criteria.

Phase III Environmental Site Assessment (2001)
Rubicon Environmental Inc.

In July 2001, Rubicon was retained by Georgian Quay Development Corporation to complete environmental assessment work at the former Russel Brothers property to delineate the extent of previously identified environmental impacts.

Twenty test pits (TP101 to TP119, TP120 to TP121) were excavated and nine ground water monitoring wells (MW101 to MW109) were installed across the property. An additional three test pits (TP204 to TP206) were advanced to further identify the depths of fill materials and concrete footings on the property.

The results of laboratory analyses for soil indicated that concentrations of metals, VOCs, petroleum hydrocarbons, PCBs and PAHs exceeded the 1996 MOEE Table B Guideline criteria for a residential land use. The results of laboratory analyses for ground water indicated that concentrations of VOCs and PAHs exceeded the 1996 MOEE Table B Guidelines.

Preliminary Geotechnical Investigation (2006)
Conestoga-Rovers & Associates (CRA)

In February 2006, CRA was retained by Rafa Corporation to complete a preliminary geotechnical feasibility study for a proposed residential development at the former Russel Brothers industrial property. Three test holes (OW1-06 to OW3-06) were advanced to depths ranging from approximately 10.7 metres to 13.4 metres below the existing ground surface.

According to the environmental reports, soil and ground water at the property were found to be contaminated above the Ministry of the Environment (MOE) Standards that are appropriate for the site as indicated by the MOE *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act.* A summary of the contaminants are listed below:

SOIL

- Metals (including arsenic, boron, copper, lead, molybdenum and nickel)
- Petroleum hydrocarbons (including benzene, toluene, ethylbenzene, xylenes (BTEX), and petroleum hydrocarbon fractions F1-F4)
- Polycyclic Aromatic Hydrocarbons (PAHs) including benzo(a)pyrene

GROUND WATER

- Metals (including boron, cobalt, copper and lead)
- Petroleum hydrocarbons (including BTEX and petroleum fractions F1-F4)
- PAHs (including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene and pyrene)

2.4 Interviews

Barenco conducted a telephone interview with Mr. Moe Zadeh, of Rafa Corporation, the current owner of the subject property. Mr. Zadeh indicated that he has owned the site for approximately a year and a half. He reported that the site had been vacant for ten years and that he purchased the property from the City of Owen Sound. Mr. Zadeh indicated that previously, the site had been occupied by Russel Brothers Limited, a ship building company. He noted that there have been no issues of environmental significance in the time that he has owned the property. The site is reported to be fenced in and is currently vacant. He also reported that to the best of his knowledge, there are no filled areas and that nothing is currently being stored on-site.

Most of the answers obtained during the interview process were accompanied by visual observations during the site walk-through and are described elsewhere in this report.

3.0 SITE VISIT

3.1 Property Walk-Through Inspection

The site investigation, which was conducted on October 23, 2006 and August 22, 2007 consisted of a visual survey of the subject property and surrounding properties. Selected photographs of the site are included in Appendix B and a site plan is included as Figure 2. Qualifications of the assessors are provided in Appendix F.

The property, located on the west side of 3rd Avenue East in Owen Sound, is currently vacant. Concrete pads and foundation footings of buildings formerly

located on-site were observed. The concrete pads were surrounded by paved or gravel driveways. Vehicular access to the site was possible through two gravel roads along 3rd Avenue East and one gravel road on the northern side of the subject property. The property is enclosed by a chain link fence on the north, east and south side. The west side of the property borders on Georgian Bay (Owen Sound Harbour). Former rail spurs from the Canadian Pacific Railway were visible entering the site at the northeast corner of the property. The remainder of the property is covered in trees and tall grasses.

The southwest portion of the site included an area with standing water. Surrounding this area were three berms (on south, east and west sides). The portion of the property bordering on the lake was covered in tall grasses and sand.

Residential buildings were visible to the north and east of the subject property and the Owen Sound water treatment plant was visible to the south. The water treatment plant was observed to be separated from the subject property by a gate and berm.

No evidence of under ground or above ground storage tanks were observed during the site inspection.

There was no evidence of stained areas on the subject property.

Site photographs taken during the inspection are provided in Appendix B.

3.2 Native Soils and Topography

The property is located in the physiographic region known as the Niagara Escarpment. Vertical cliffs that are located along the top of the escarpment outline the edge of the dolostone of the Lockport and Amabel Formations while the slopes below are carved in red shale. The surface soils in this area are composed of glacial till (sandy silt) on top of red shale (*Physiography of Southern Ontario*, Chapman and Putnam, 1984).

The hydraulic conductivity of the native soil (sandy silt till) at the site was measured to be approximately 10^{-5} cm/s (CG&S, 1997).

Based on observations made during the site inspection, the ground water flow direction was assumed to be to the northwest towards Georgian Bay (Owen

Sound Harbour).

3.3 Ground Water and Municipal Services

The property is vacant and is not serviced by municipal water or sewers. According to the City of Owen Sound, the adjacent properties are serviced by municipal water (surface water) and sewers.

The regional ground water flow direction is anticipated to be to the west and northwest towards Georgian Bay (Owen Sound Harbour).

Table 1 summarizes the environmental setting and site characteristics. Table 2 shows Darcy's Law calculations of the estimated ground water flow velocity at the site. The ground water flow velocity was estimated to be about 0.09 metres per year according to the measured hydraulic conductivity of approximately 10^{-5} cm/s (CG&S, 1997).

3.4 Designated Substances and Other Issues

3.4.1 Designated Substances

The Occupational Health and Safety Act identifies eleven designated substances. These substances are regulated for labour exposure issues during construction and demolition activities. These eleven substances are asbestos, acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxides, isocyanates, lead, mercury, silica, and vinyl chloride.

Since there are no buildings present on the site, there are no designated substances to evaluate with respect to worker exposure.

3.4.2 Special Attention Items

The Canadian Standards Association document CSA Z768 outlines general requirements for the Phase I environmental site assessment process. The CSA Z768 requires that the potential presence of several substances be identified during a Phase I investigation due to heightened public concern or specific environmental legislation. These special attention items include polychlorinated biphenyls (PCBs), ozone-depleting materials (ODMs), urea

formaldehyde foam insulation (UFFI), radon, mould, noise and vibrations, pesticides and herbicides and electric and magnetic fields.

No transformers or other potential PCB containing equipment were observed during the site visit, however, according to the EcoLog ERIS reports (referred to in Section 2.2.7), the property was listed as a waste generator of PCBs in the 1990s, was included on the National PCB Inventory and was listed as a PCB storage site in the late 1990s and early 2000s.

The Radiation Protection Service of the Ontario Ministry of Labour no longer considers radon to be a serious environmental issue. Several studies were provided by the Ministry of Labour and concluded that there is no evidence of an increase in lung cancer risk caused by exposure to radon gas at levels that would be encountered due to natural radium levels associated with subsurface soils. No radon gas measurement was undertaken as part of this assessment.

Since there were no buildings on the site, ODMs, UFFI, and mould were not investigated as part of this investigation.

Due to the property location beside Georgian Bay and its distance from 3rd Avenue East, very little noise was observed during the site inspection. Additional noise and vibration tests were neither deemed warranted nor performed as a part of this investigation.

No storage of pesticides or herbicides was observed at the site.

Overhead hydro wires were observed to the east of the site (along 3rd Avenue East). Electromagnetic field (EMF) exposure has received considerable attention due to suspected health impacts. However, there is still considerable scientific debate as to the causal role and levels of concern regarding EMF exposure.

4.0 ADDITIONAL ASSESSMENT WORK

The Phase I environmental assessment provides a reasonable assessment of the environmental conditions at the subject site as of August 22, 2007. The subject property is located to the south of 24th Street East and to the north of 18th Street East on the west side of 3rd Avenue East in Owen Sound, Ontario. The subject property occupies an area of approximately 5.5 hectares (13.5 acres) and is bordered by Georgian Bay to the west. Concrete pads and foundation footings

surrounded by paved and gravel driveways of the former industrial buildings were observed on the property during the site visit. The remainder of the property was covered in vegetation.

The subject property was developed for industrial use in the late 1800s. Early occupants included a ship building company (Russel Brothers Limited) and a cement manufacturing operation (1894 to 1912). Historical documents supplied by the client for review by Barenco also indicate past tenants on the property have included a foundry, a furniture manufacturer and a second cement manufacturing company. According to previous reports, the Russel Brothers facility occupied the site from approximately 1925 to the early 1990s. The facility reportedly included ship building and heavy steel fabrication and manufacturing including diesel, automotive, industrial and marine engines. The buildings on-site were reportedly removed in 1993.

Based on the historical documentation that was reviewed during this investigation, previous reports and the site inspection, the following areas of concern (AOC) were identified are listed in the table below. The location of the AOCs are shown in attached Figure 3.

AOC	Reason for Concern	Reference Reports	Chemicals of Concern	Further Assessment or Remediation Required
1	Former spray booth (west side of former Building 4)	CG&S Phase I (1997) CG&S Phase II (1997)	VOCs	No - no exceedances in previous analytical results
2	Former drum storage area	Terraprobe Phase I (1992) CG&S Phase II (1997)	BTEX, F1-F4, metals, PCBs, VOCs	Yes - data gap (petroleum parameter fractions - previously sampled for TPH) and vinyl chloride detection limit issue
3	Former drum storage area	CG&S Phase II (1997) Rubicon (2001)	BTEX, F1-F4, metals, PCBs, VOCs	Yes - TPH (heavy oils) exceedance[1] at 1.5-2.1mbg
4a and b	Former storage area/ship loading zone/metal slag noted	Terraprobe Phase I (1992)	Metals and PAHs	Yes - data gap (no previous analytical results)

AOC	Reason for Concern	Reference Reports	Chemicals of Concern	Further Assessment or Remediation Required
5	Former above ground fuel storage tank	Terraprobe Phase I (1992) CG&S Phase II (1997) Rubicon Phase III (2001)	BTEX, F1-F4	Yes - exceedance[2] of toluene, ethylbenzene and xylenes
6	Former metal and lumber scrap area (and reported soil staining in 1992)	Terraprobe Phase I (1992)	BTEX, F1-F4, metals and PAHs	Yes - data gap (no previous analytical results)
7	Former lumber storage area	CG&S Phase I (1997)	PAHs	Yes - data gap (no previous analytical results)
8	Former scrap metal and crane parts (storage)	Terraprobe Phase I (1992) Rubicon Phase III (2001)	Metals. PAHs, F1-F4	Yes - exceedance[1] of benzo(a)pyrene (unknown depth)
9	Former fuel oil and kerosene above ground storage tanks	CG&S Phase II (1997)	BTEX, F1-F4	Yes - exceedance[1] of TPH (gas/diesel and heavy oils) at 0.45-1.4mbg, arsenic/copper/ lead/molybdenum at 0.-0.6mbg and VOCs (1.5-2.1mbg)
10	Former metal scrap and rail spur	Terraprobe Phase I (1992) CG&S Phase II (1997) Rubicon Phase III (2001)	Metals, PAHs	Yes - exceedance[1] of arsenic/copper/ lead/molybdenum/ nickel at 0-0.35mbg
11a and 11b	Former transformer areas	Terraprobe Phase I (1992) CG&S Phase II (1997) Rubicon Phase III (2001)	PCBs, F2-F4	11a- No - no exceedances in previous analytical results 11b- Yes - exceedance[1] of TPH (heavy oils) at 0.1-0.7mbg and PCBs at 0-0.4mbg at 11b

AOC	Reason for Concern	Reference Reports	Chemicals of Concern	Further Assessment Required
12	Former stained soil area and former septic tank	CG&S Phase II (1997)	BTEX, F1-F4	Yes - exceedance[1] of TPH (heavy oils) at 0.8-1.4mbg
13	Former underground fuel storage tank	Terraprobe Phase I (1992) CG&S Phase II (1997)	BTEX, F1-F4	Yes - exceedance[1] of TPH (heavy oils) at 0-1.5mbg
14	Area of reported former landfill	CRA Phase II (2000)	Metals, and PAHs	Yes - exceedance[1] of PAHs and heavy metals (in surficial soil)
15	Former above ground storage tanks (diesel fuel)	Terraprobe Phase I (1992) CG&S (1997) Rubicon (2001)	F2-F4, metals	No - no exceedances in previous analytical results
16	Former ship loading area	Terraprobe Phase I (1992)	PAHs, metals, F1-F4	Yes - data gap (no previous analytical results)
17	Former rail spur	Terraprobe Phase I (1992)	PAHs	No - no exceedances in previous analytical results

[1] - exceedance of MOEE Table B Guideline Criteria (1996) - residential/parkland

[2] - exceedance of MOE Table 1 Standard (2004) - sample from within 30 metres of Georgian Bay

Although not considered to be within an area of concern, soil exceedances of the MOEE Table B Guideline Criteria (1996) for TPH (gas/diesel) and arsenic were found at TP114 (Rubicon 2001), for TPH (heavy oils) and vinyl chloride (detection limit issue) at MW11 (CG&S, 1997), for lead at TP115 (Rubicon 2001), and for vinyl chloride (detection limit issue) at BH1R (CG&S, 1997).

In addition to the information listed in the table above, the close proximity of the subject property to the former industrial site immediately adjacent to the north (listed in the municipal street directories as Empire Stove Works in 1928, Jones-Taggart Trance Company in 1968, Black Clawson Kennedy Company in 1977 and Thom Construction Inc. in 1989) could be reason for concern with respect to potential environmental impacts.

Based on the results of the Phase I Environmental Assessment and a review of previous reports, a Phase II Environmental Assessment was conducted by

Barenco to evaluate the current environmental condition of the soil and ground water in the areas of concern, to re-assess previous exceedances and to fill in gaps in previous data collected by others.

5.0 ASSESSMENT STANDARDS

5.1 Ontario Ministry of the Environment Standards

The *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*, March 9, 2004 (Standards) is intended for the assessment and restoration of all sites in Ontario. The Standards provide assessment standards based on land use (agricultural, residential, parkland, institutional, industrial, commercial or community), ground water use (potable or non-potable), soil type (coarse or medium to fine textured) and restoration depth (full or stratified restoration).

Assessment standards for both soil and ground water are outlined in the Standards as follows:

Table 1 - Full depth background site condition standards (e.g. sensitive site)
Table 2 - Full depth generic site condition standards in a potable ground water condition
Table 3 - Full depth generic site condition standards in a non-potable ground water condition
Table 4 - Stratified site condition standards in a potable ground water condition
Table 5 - Stratified site condition standards in a non-potable ground water condition
Table 6 - Soil extract and ground water standards to determine whether a property is a “shallow soil property”

5.2 Site Assessment Standards

For the purpose of this assessment, the subject property was divided into two zones as shown in Figure 4. The area within 30 metres of the Owen Sound

Harbour (Georgian Bay) was considered to be Zone 1. As this portion of the site is defined as being environmentally sensitive (MOE Table 1 Standard) it will be addressed in a separate Risk Assessment and Remediation report. The remainder of the site, considered to be Zone 2, was the focus of the Phase II Environmental Assessment.

Based on the site environmental setting data shown in Table 1, the property will be classified as having a residential/parkland/institutional land use with non-potable ground water. As such, the Table 3 or 5 Standards for a residential land use with fine to medium textured soils are appropriate for evaluating conditions at this site (Zone 2).

The Table 3 and 5 site classification is based on several factors including the absence of potable water use in the area, the future land use (residential), previous reports indicating the hydraulic conductivity of approximately 10^{-5} cm/s (representing medium/fine soil) and test hole logs.

6.0 SITE INVESTIGATION

The objective of the Phase II ESA was to confirm and update the historical findings of previous assessments and to fill in data gaps, where present. The environmental assessment included test hole drilling, test pitting, surficial soil sampling and ground water sampling.

The rationale for the location of the test holes, test pits and surficial soil samples is summarized in the table below:

AOC (located in Zone 2)	Reference Report and Sample Location	Rationale (Phase I Report)	Parameter(s) Exceeding MOE Standard or requiring further assessment (soil)	Barenco Test Hole/Surficial Soil Sample ID	Sample Depth Below Grade (m)
2	CG&S Phase II-1997 (MW4)	Former drum storage area	BTEX, F1-F4	HH7, TP5	0-1.5
3	CG&S Phase II-1997 (MW3)	Former drum storage area	BTEX, F1-F4	TH6	1.5-2.1
8	Rubicon Phase III-2001 (TP103)	Former scrap metals and crane parts (storage)	PAHs	SM4, TP19-B, TP104-B	0-0.5

AOC (located in Zone 2)	Reference Report and Sample Location	Rationale (Phase I Report)	Parameter(s) Exceeding MOE Standard or requiring further assessment	Barenco Test Hole/Surficial Soil Sample ID	Sample Depth Below Grade (m)
9	CG&S Phase II-1997 (TP15, MW1)	Former fuel and kerosene oil (ASTs)	BTEX and F1-F4	TH3, HH8, TP15-B	0.3-1.4
10	CG&S Phase II-1997 (TP17) Rubicon Phase III-2001 (TP108)	Former scrap metal and rail spur	Metals	SM1	0-0.3
11B	CG&S Phase II-1997 (TP10) Rubicon Phase III-2001 (TP121)	Former transformer areas	PCBs, F2-F4	TH2, SM3	0-2.1
12	CG&S Phase II-1997 (MW8)	Former stained soil area and former septic tank	BTEX and F1-F4	TH1	0-0.6
13	CG&S Phase II-1997 (TP23)	Former fuel UST	BTEX and F1-F4	TH4	0-2.1
14	CRA Phase II-2000 (TP1 to TP7, MW3)	Former landfill area	PAHs, metals, F1-F4, VOCs (soil and/or ground water)	SM5, SM6, TH 8 to TH10, SP7-B, MW3-B, TP2	0-2.1

Although not included in the areas of concern identified by Barenco, existing exceedances found in other areas were included in the Phase II environmental assessment as folllows:

- TP114 (Rubicon, 2001) - location of former soil exceedance (TPH (heavy oil) and arsenic) located at a depth of 0.3 - 0.6 metres
- TP115 (Rubicon, 2001) - location of former soil exceedance (lead) located at a depth of 0 - 0.5 metres
- TP205 (Rubicon, 2001) - location of former soil exceedance (TPH (gas/diesel)) and lab detection limit issue with 1,2-Dichloroethylene and ethylene dibromide
- BH1R (CG&S, 1997) - location of vinyl chloride detection limit issue at a depth of 0.8 - 1.4 metres
- MW11 (CG&S, 1997) - location of former soil exceedance (TPH (heavy

oil)) at a depth of 4.5 metres and vinyl chloride detection limit issue at a depth of 1.2 - 1.8 metres
- MW7 (CG&S, 1997) - location of former soil exceedances (molybdenum) at 0 - 0.6 metres

These areas will be explained in more detail in Section 6.3.

A site plan showing the location of all sampling locations is included as Figure 4.

6.1 Soil Assessment

6.1.1 Drilling Investigation

A drilling investigation was conducted on October 23 and 24, 2006 to determine the environmental conditions of soil and/or ground water at the subject property.

Barenco subcontracted Canadian Soil Drilling Inc. to advance ten test holes (TH1 to TH10) to a maximum depth of 3.7 metres. Test holes were advanced using a drill rig equipped with solid stem augers and samples were collected from split spoon samplers. Test hole locations are shown in Figure 4.

The log for each test hole is shown in the attached Appendix G, Test Hole Logs. Soil samples were collected as the test holes progressed. Samples were examined for visual and olfactory evidence of environmental impact. The vapour concentrations ranged from non detectable to 25 ppm. Organic vapour readings were obtained from the head space of selected soil samples using a Gastechtor 1238 ME Gas Detection System. The 1238 ME battery powered portable instrument is designed to detect and measure concentrations of combustible gas in the atmosphere. It is equipped with two ranges of measurement, reading concentrations in parts per million (ppm) or in percentage lower explosive limit (LEL). The Gastechtor instrument can determine combustible vapour concentrations in the range equivalent to 0 to 11,000 ppm of hexane. The 1238 ME was configured to eliminate any response from methane for all sampling conducted at the site. Instrument calibration is checked on a daily basis in both the ppm range and LEL range using standard gases comprised of a known concentration of hexane in air. If the instrument readings are within ±10% of the standard gas value, then the instrument is deemed to be calibrated. However, if the readings are greater than ±10% of the standard gas value then the instrument is re-calibrated prior to use.

All soil samples were placed into sealed laboratory prepared glass jars provided by Maxxam Analytics Inc.

Ground water monitors were installed in three of the test holes (TH8, TH9 and TH10) to facilitate ground water sampling. The monitors were standpipes which consisted of PVC pipe slotted across the inferred ground water table. Each test hole was sealed with bentonite to prevent surface water infiltration and sealed with locking J-plug type caps. All other test holes were backfilled with bentonite and sealed with concrete. The test holes were logged for geologic information, as well as for organic vapour data, as the drilling progressed.

6.1.2 Surficial Soil Sampling

Soil sampling was completed as follows:

October 25, 2006
Barenco collected a surficial soil sample (SM1) in one of the areas of environmental concern. Soil samples were collected with a clean hand auger or shovel.

July 20, 2007
Barenco collected surficial soil samples SM2 to SM6, HH7 and HH8. Soil samples were collected with a clean hand auger or shovel.

November 7, 2007
Barenco collected soil sample TP114A. Soil samples were collected through a test pitting program with an excavator.

November 21, 2007
Barenco collected soil samples TP15-B, TP104-B, MW3-B, TP19-B, SP7-B and MW7-B. Soil samples were collected through a test pitting program with an excavator.

April 7, 2008
Barenco collected soil samples MW11, TP5, TP115 and BH1R. Soil samples were collected with a clean hand auger.

As the soil sampling progressed, soil samples were examined for physical evidence of environmental impacts.

6.2 Ground Water Assessment

Ground water monitors were installed in three of the test holes that were drilled in October, 2006 (TH8 to TH10). Monitors were constructed of 50 mm PVC piping with the lower 0.7 to 3.7 metres consisting of screened pipe and the remainder with solid pipe. Clean washed sand filter pack was placed around the screened section and a bentonite seal was placed from the top of the sand pack to just below the ground surface. The monitors were then sealed with locking caps. Ground water monitor locations are shown on Figure 4.

Ground water monitoring and sampling of newly installed monitors and existing monitors completed by others (prior to 2006) was performed on October 26, 2006. Ground water monitoring and sampling of all on site monitors was performed on August 22, 2007.

On August 22, 2007, the depth to ground water ranged from 1.62 metres in TH9 to 3.55 metres in MW10 below the ground surface. Prior to sampling, ground water monitors were developed by purging up to three monitor volumes.

All ground water samples were collected using new disposable bailers or waterra inertial pumps and footvalves. Ground water samples were placed into sealed laboratory prepared glass bottles and vials provided by Maxxam Analytics Inc.

6.3 Soil Chemical Analysis

Soil samples were collected during the drilling and soil sampling programs on October 23, 24 and 25, 2006, July 20, 2007, November 7 and 21, 2007 and April 7, 2008. Using sampling protocols as described in the MOE document *Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*, 1996, samples were placed directly into the sampling containers provided by Maxxam Analytics. A clean stainless steel spoon was used for sampling. Samples to be analyzed for metals were obtained through composite soil sampling. Samples to be analyzed for VOCs, PCBs or petroleum parameters were obtained through discrete soil sampling.

If applicable, the soil chemical analysis results have been separated into areas of concern (AOC) as presented in Section 6.0.

AOC 2

In 1992, Terraprobe identified the former drum storage area as an environmental concern. In 1997, CG&S advanced a test hole (MW4) to a depth of 3.7 metres and identified elevated levels of TPH (heavy oil) at a depth of 1.5-2.1 metres. Although the results did not indicate an exceedance of the MOEE Table B Guideline Criteria (1996), additional analysis was necessary to determine if the soil in this area was impacted with petroleum hydrocarbons. CG&S also advanced a test pit (TP5) to a depth of approximately 2 metres and identified a detection limit issue with vinyl chloride at a depth of 0.5 to 1.5 metres.

On July 20, 2007, Barenco advanced a test hole (HH7) adjacent to MW4 by hand augering to a depth of 1.5 metres. The soil was examined for physical evidence of petroleum impacts as the augering progressed. A worst case soil sample soil sample was selected based on visual and olfactory evidence of petroleum impacts. The soil sample, obtained at a depth of 0-1.5 metres, was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and petroleum hydrocarbon fractions F1-F4.

On April 7, 2008 Barenco advanced a test hole (TP5) adjacent to TP5 (CG&S) by hand augering to a depth of 1.5 metres. The soil was examined for physical evidence of VOC impacts as the augering progressed. A worst case soil sample was selected at a depth of 1.0 metres and was analyzed for vinyl chloride.

The results of the soil chemical analysis for petroleum parameters and VOCs are provided in Tables 3 and 4 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

AOC 3

In 1997, CG&S advanced a test hole (MW3) to a depth of 2.9 metres in the area formerly used for drum storage. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for TPH (heavy oil) at a depth of 1.5-2.1 metres.

On October 24, 2006, Barenco advanced a test hole (TH6) adjacent to MW3 to a depth of 2.9 metres. As the drilling progressed, soil samples were examined for physical evidence of petroleum impacts. A worst case soil sample soil sample was selected based on visual and olfactory evidence of petroleum impacts and

the location of the historical exceedance. The soil sample, obtained at a depth of 1.5-2.1 metres, was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and petroleum hydrocarbon fractions F1-F4.

The results of the soil chemical analysis for petroleum parameters are provided in Table 3 along with the applicable MOE Table 3 or 5 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 or 5 Standards for all parameters that were analyzed.

AOC 8

In 2001, Rubicon advanced a test pit (TP103) to an unknown depth in the area formerly used for scrap metal and crane parts storage. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for benzo(a)pyrene at an unknown depth. On July 20, 2007, Barenco advanced a test hole (SM4) adjacent to TP103 by hand augering to a depth of 0.5 metres. A worst case soil sample soil sample was selected at a depth of 0 - 0.5 metres for PAH (benzo(a)pyrene) analysis.

In 2001, Rubicon also advanced a test pit (TP104) and sampled for PAHs. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for benzo(a)pyrene at a depth of 0.2 to 0.6 metres. On November 21, 2007, Barenco advanced a test pit (TP104B) to a depth of 1.5 metres. A soil sample was selected at a depth of 0.2 to 1 metres for PAH (benzo(a)pyrene) analysis.

In 1997, CG&S advanced a test pit (TP19) and sampled for PAHs. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for benzo(a)pyrene at a depth of 0.1 to 1 metres. On November 21, 2007, Barenco advanced a test pit (TP19B) to a depth of 3 metres. A sample was selected at a depth of 0.5 to 3 metres for PAH (benzo(a)pyrene) analysis.

The results of the soil chemical analysis for PAHs are provided in Table 3 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

Soil exceeding the MOE Table 3 Standard was found for benzo(a)pyrene at SM4 and TP104B. Soil exceeding the MOE Table 3 Standard was found for benzo(b/j)fluoranthene and dibenzo(a,h)anthracene at SM4.

AOC 9

In 1997, CG&S identified a fuel oil and kerosene above ground storage tank area as an environmental concern. A test pit was advanced (TP15) to a depth of 1.6 metres. TPH for both gas/diesel and heavy oil were found to exceed the MOEE Table B Guideline Criteria (1996) at a sample depth of 0.5 to 1.4 metres.

On November 21, 2007, Barenco advanced a test pit (TP15-B) adjacent to TP15 to a depth of 2.1 metres. Based on visual and olfactory evidence of potential petroleum impacts and historical data, a soil sample was analyzed for BTEX and petroleum hydrocarbon fractions F1-F4. Exceedances of the MOE Table 3 standard were found for F1 and F2.

CG&S also advanced two test holes (MW1 and MW7) to a depth of 4 metres in this area and found MOEE Table B Guideline Criteria (1996) exceedances of arsenic, copper, lead and molybdenum at a depth of 0 - 0.6 metres and of VOCs (due to lab detection limit issues) at a depth of 1.5 to 2.1 metres.

On October 23, 2006, Barenco advanced a test hole (TH3) adjacent to MW7 to a depth of 2.9 metres. Based on visual and olfactory evidence of potential petroleum impacts and historical data, a soil sample was analyzed for BTEX and petroleum hydrocarbon fractions F1-F4. The results were found to be within the MOE Table 3 Standards.

On July 20, 2006, Barenco advanced another test hole (HH8) adjacent to MW1 by hand augering to a depth of 0.6 metres. Based on the depth of the historical exceedance and visual and olfactory evidence of potential petroleum impacts, a soil sample was analyzed for BTEX and petroleum hydrocarbon fractions F1-F4 and selected metals (arsenic, boron, copper, lead, molybdenum and nickel). An exceedance of the MOE Table 3 Standard was found for lead at HH8.

On November 21, 2007, Barenco advanced a test pit (MW7-B) to a depth of 1.5 metres. A soil sample was selected for analysis of molybdenum at a depth of 0.2 to 1.5 metres. The soil sample was found to be within the MOE Table 3 Standard for molybdenum.

Detection limit issues found at MW1 for VOCs will need to be addressed in the remediation of the subject property along with the remaining MOE Table 3 exceedances found at HH8 and TP15B.

The results of the soil chemical analysis are provided in Tables 3 and 6 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

AOC 10

In 1992, Terraprobe identified the scrap metal storage along the northeast corner of former Building 3 as being an environmental concern. In 1997, CG&S advanced a test pit (TP17) to a depth of 1.4 metres. A soil sample obtained at a depth of 0 - 0.35 metres was found to exceed the MOEE Table B Guideline Criteria (1996) for arsenic, copper, lead, molybdenum and nickel.

In 2001, Rubicon advanced a test pit (TP108) to a depth of 6.9 metres. A soil sample obtained at a depth of 0 - 0.2 metres was found to exceed the MOEE Table B Guideline Criteria (1996) for copper, lead, molybdenum and nickel.

On October 25, 2006, Barenco advanced a test hole (SM1) adjacent to TP17 and TP108 by hand augering to a depth of 0.3 metres. A soil sample obtained at a depth of 0-0.3 metres was analyzed for selected metals (arsenic, boron, copper, lead, molybdenum and nickel).

The results of the soil chemical analysis are provided in Table 6 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

Soil exceeding the MOE Table 3 Standard was found at SM1 for lead and molybdenum.

AOC 11B

In 1992, Terraprobe identified the location of a transformer as of environmental concern. In 1997, CG&S advanced a test pit (TP10) to a depth of 1.5 metres. A soil sample obtained at a depth of 0.1 to 0.7 metres was found to exceed the MOEE Table B Guideline Criteria (1996) for TPH (heavy oil). In 2001, Rubicon advanced a test pit (TP121) to a depth of 2 metres. A soil sample obtained at a depth of 0-0.4 metres was found to exceed the MOEE Table B Guideline Criteria (1996) for PCBs.

On October 23, 2006, Barenco advanced a test hole (TH2) adjacent to TP10 to a

depth of 2.9 metres. Based on visual and olfactory evidence of potential petroleum impacts and historical data, two soil samples were analyzed for BTEX and petroleum hydrocarbon fractions F1-F4. Based on visual evidence of potential PAH impact (black ash), one soil sample was analyzed for PAHs.

On July 20, 2007, Barenco advanced another test hole (SM3) adjacent to TP121 by hand augering to a depth of 0.4 metres. A soil sample was obtained from a depth of 0 - 0.4 metres and was analyzed for PCBs.

The results of the soil chemical analysis are provided in Tables 3, 5 and 7 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

AOC 12

In 1997, CG&S advanced a test hole (MW8) to a depth of 3.7 metres in the area where a septic tank was reportedly located and also where there was reported soil staining. A soil sample obtained at a depth of 0.8 - 1.4 metres was found to exceed the MOEE Table B Guideline Criteria (1996) for TPH (heavy oil).

On October 23, 2006, Barenco advanced a test hole (TH1) adjacent to MW8 to a depth of 3.7 metres. Based on visual and olfactory evidence of potential petroleum impacts and historical data, a soil sample was obtained at a depth of 0-0.6 metres and was analyzed for BTEX and petroleum hydrocarbon fractions F1-F4.

The results of the soil chemical analysis are provided in Table 3 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

AOC 13

In 1992, Terraprobe identified the location of a former underground storage

tank as an issue of environmental concern. In 1997, CG&S advanced a test pit (TP23) to a depth of 1.5 metres. A soil sampled obtained at a depth of 0-1.5 metres was found to exceed the MOEE Table B Guideline Criteria (1996) for TPH (heavy oil).

On October 23, 2006, Barenco advanced a test hole (TH4) adjacent to TP23 to a depth of 3.7 metres. Based on visual and olfactory evidence of potential petroleum impacts and the location of the historical exceedance, a soil sample was obtained at a depth of 1.5-2.1 metres and was analyzed for BTEX and petroleum hydrocarbon fractions F1-F4.

The results of the soil chemical analysis are provided in Table 3 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

AOC 14

In 2000, Conestoga-Rovers Associates (CRA) advanced eight test pits (TP1-TP8) and one test hole (MW3)and one standpipe (SP7) in the reported former landfill area along 3rd Avenue East. Soil samples obtained were found to exceed the MOEE Table B Guideline Criteria (1996) for the following contaminants:

- benzo(a)pyrene (SP7, TP1-TP7 at sample depths between 0 - 0.8 metres)
- benzo(b/j)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene (TP5 at a sample depth of 0 - 0.3 metres)
- arsenic (TP1-TP6 and MW3 at sample depths between 0 - 0.8 metres)
- lead (TP2 at a sample depth of 0 - 0.5 metres)

On October 24, 2006, Barenco advanced three test holes with ground water monitors (TH8 to TH10) to a maximum depth of 3.7 m in the area of TP1-TP8. Based on visual and olfactory evidence, a soil sample from each test hole (TH8 to TH10) was analyzed for VOCs and heavy metals.

On July 20, 2007, Barenco advanced two test holes (SM5 and SM6) adjacent to TP7 and TP5 respectively by hand augering to a depth of 0.3 metres. Based on

the depth of the historical exceedances, a worst case soil sample was obtained and was analyzed for the contaminants of concern (selected PAHs, arsenic and lead).

On November 21, 2007 Barenco advanced two test pits (MW3-B and SP7-B) adjacent to MW3 and SP7 respectively using an excavator. Based on the depth of the historical exceedances, a worst case soil sample was obtained and was analyzed for the contaminants of concern (benzo(a)pyrene and arsenic).

The results of the soil chemical analysis are provided in Tables 4, 5 and 6 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

Remaining arsenic, lead, benzo(a)pyrene and dibenzo(a,h)anthracene soil exceedances previously found at TP1, TP2, TP3, TP4 and TP6 will need to be addressed in the remediation of the subject property.

Additional Soil Assessment

In 1997, CG&S advanced a test hole (MW11) to a depth of 4.5 metres at the south east corner of the subject property. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for TPH (heavy oil) at a depth of 0.6 - 1.2 metres and a detection limit issue for vinyl chloride was identified at a depth of 1.2 - 1.8 metres.

On October 24, 2006, Barenco advanced a test hole (TH5) adjacent to MW11 to a depth of 2.9 metres. As the drilling progressed, soil samples were examined for physical evidence of petroleum impacts. A worst case soil sample soil sample was selected based on visual and olfactory evidence of petroleum impacts and the location of the historical exceedance. The soil sample, obtained at a depth of 0.6 - 1.4 metres, was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and petroleum hydrocarbon fractions F1-F4.

On April 7, 2008, Barenco advanced a test hole (MW11) with a hand auger adjacent to MW11 (CG&S) to a depth of approximately 2 metres. As the hand augering progressed, soil samples were examined for physical evidence of VOC impacts. A worst case soil sample was selected and was analyzed for vinyl

chloride.

The results of the soil chemical analysis for petroleum parameters and vinyl chloride are provided in Tables 3 and 4 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

In 2001, Rubicon advanced a shallow test pit (TP115) to a depth of approximately 1 metre in the area between buildings 2 and 4. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for lead in the sample labelled "paint" (surficial soil sample).

On April 7, 2008, Barenco advanced a test hole (TP115) adjacent to TP115 (Rubicon) by hand augering to a depth of 0.5 metres. A composite soil sample was obtained from a depth of 0 to 0.5 metres, based on the location of the historic soil exceedance, and was analyzed for lead.

The results of the soil chemical analysis for lead are provided in Table 6 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

The soil sample was found to be within the applicable MOE Table 3 Standards for the parameter that was analyzed (lead).

In 2001, Rubicon advanced a test pit (TP114) to a depth of 2.2 metres in the area to the east of the former ship loading zone and storage area along the shore of Georgian Bay. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for TPH (heavy oil) and arsenic at a depth of 0.3 - 0.6 metres.

On July 20, 2007, Barenco advanced a test hole (SM2) adjacent to TP114 by hand augering to a depth of 0.6 metres. A worse case soil sample was selected based on the location of the historic soil exceedance and was analyzed for arsenic.

On November 7, 2007, Barenco advanced a test hole (TP114A) adjacent to TP114 to a depth of approximately 1 metre. A soil sample was selected based on visual and olfactory evidence of petroleum impacts and the location of the historical exceedance. The soil sample, obtained at a depth of 0.3 to 0.6 metres, was analyzed for petroleum hydrocarbon fractions F1-F3.

The results of the soil chemical analysis for petroleum parameters are provided in Tables 3, 5 and 6 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

All soil samples were within the applicable MOE Table 3 Standards for all parameters that were analyzed.

In 1997, CG&S advanced a test pit (BH1R) to a depth of approximately 2 metres in the area to the northwest of building 3. An exceedance of the MOEE Table B Guideline Criteria (1996) due to a detection limit issue for vinyl chloride was identified at a depth of 0.8 to 1.4 metres.

On April 7, 2008, Barenco advanced a test hole (BH1R) adjacent to BH1R (CH&S) by hand augering to a depth of approximately 1.5 metres. A composite soil sample was obtained from a depth of 1.0 metre, based on the location of the historic soil exceedance, and was analyzed for vinyl chloride.

The results of the soil chemical analysis for lead are provided in Table 4 along with the applicable MOE Table 3 Standards for medium to fine textured soil.

The soil sample was found to be within the applicable MOE Table 3 Standards for the parameter that was analyzed (vinyl chloride).

In 2002, Rubicon reportedly advanced a test hole (TP205) at the northeast corner of former Building 3. An exceedance of the MOEE Table B Guideline Criteria (1996) was identified for TPH (gas/diesel) at a depth of 0.3 - 0.6 metres.

On November 21, 2007, Barenco attempted to advance a test pit in the same location as the previous test pit (TP205). During the test pitting investigation, the reported location of TP205 was found to be a former water storage tank area (beneath the floor of former Building 3). The concrete lined “tank” was investigated and no indication of environmental impact was observed. No soil was found to be located within the excavation (bricks and water were observed), therefore, no soil sample was obtained for analysis. As this test pit location was most likely inaccurately placed on the original site plan, it is not deemed of environmental significance to the subject property for remediation purposes.

Any soil that was found to exceed the MOE Table 3 Standard will require remediation to bring soil concentrations to levels that are within the Standard.

As is indicated in the previous Section, many of the previous exceedances were no longer found to be present at the subject site. There are two main factors in this discovery as explained below:

- pre-existing petroleum based contamination has most likely degraded (through natural attenuation and biodegradation) to a point where the analytical values no longer exceed the MOE Table 3 Standard
    - According to the U.S. Environmental Protection Agency (EPA/600/F-98/021, "Monitored Natural Attenuation of Petroleum Hydrocarbons") natural attenuation refers to the "*reliance on natural processes to achieve site-specific remedial objectives. Natural attenuation processes include a variety of physical, chemical or biological processes that, under favourable conditions, act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil (or groundwater). These processes include biodegradation; dispersion; dilution; sorption; volatilization; and chemical or biological stabilization, transformation, or destruction of contaminants*."
- pre-existing metal contamination may have been sampled using the discrete method
    - According to the MOE document *Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*, 1996, soil samples to be analyzed for metals can be obtained through composite sampling (entire sample must be from within a 2 metre radius from the centre).

6.4 Ground Water Chemical Analysis

The results of the ground water chemical analysis are provided in Tables 8 to 10 along with the applicable MOE Table 3 Standards for fine to medium textured soil.

All ground water samples from Zone 2 were found to be within the applicable MOE Table 3 Standards for all parameters.

7.0 CURRENT SITE STATUS

The appropriate Ministry of the Environment (MOE) Standards for this site are

the Table 3 or 5 Standards for a residential/parkland/institutional land use with use with fine to medium textured soils as listed in the *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (*March 2004*)*.

Remaining soil exceedances of the MOE Table 3 Standard (or MOEE Table B Guideline Criteria (1996)) found at SM1, SM4, HH8, TP104-B, MW1, TP15-B, TP1, TP2, TP3, TP4 and TP6 will require remediation to bring soil concentrations to levels that are within the MOE Table 3 Standards.

SM1

- Lead = 398 g/g (MOE Table 3 Standard for lead is 200 g/g)
- Molybdenum = 57.9 g/g (MOE Table 3 Standard for molybdenum is 40 g/g)

SM4

- Benzo(a)pyrene = 6.2 g/g (MOE Table 3 Standard for benzo(a)pyrene is 1.2 g/g)
- Benzo(b/j)fluoranthene = 14 g/g (MOE Table 3 Standard for benzo(b)fluoranthene is 12 g/g)
- Dibenzo(a,h)anthracene = 2 g/g (MOE Table 3 Standard for dibenzo(a,h)anthracene is 1.2 g/g)

HH8

- Lead = 410 g/g (MOE Table 3 Standard for lead is 200 g/g)

TP104-B

- Benzo(a)pyrene = 1.8 g/g (MOE Table 3 Standard for Benzo(a)pyrene is 1.2 g/g)

MW1

- laboratory detection limit issues (VOCs)

TP15-B

- petroleum fractions F1 and F2 = 310 g/g and 1200 g/g respectively (MOE Table 3 Standard for F1 is 260 g/g and F2 is 900 g/g)

TP1, TP2, TP3, TP4, TP6 (former landfill area)

- arsenic, lead, benzo(a)pyrene and dibenzo(a,h)anthracene exceed the MOE Table 3 Standard at depths between 0.2 and 1 metre

Ground water samples obtained from ground water monitors located in Zone 2 were found to be within the MOE Table 3 Standard.

8.0 LIMITATION OF LIABILITY, SCOPE OF REPORT AND THIRD PARTY RELIANCE

This report has been prepared for and the work referred to in this report has been undertaken by Barenco Inc. under contract to Rafa Corporation It is intended for the sole and exclusive use of Rafa Corporation. Any use, reliance on or decision made by any person other than Rafa Corporation based on this report is the sole responsibility of such other person. Barenco Inc. makes no representation to any other person with regard to this report and the work referred to in this report and Barenco Inc. accepts no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties, or other harm that may be suffered or incurred by any other person as a result of the use of, reliance on, any decision made or any action taken based on this report or the work referred to in this report.

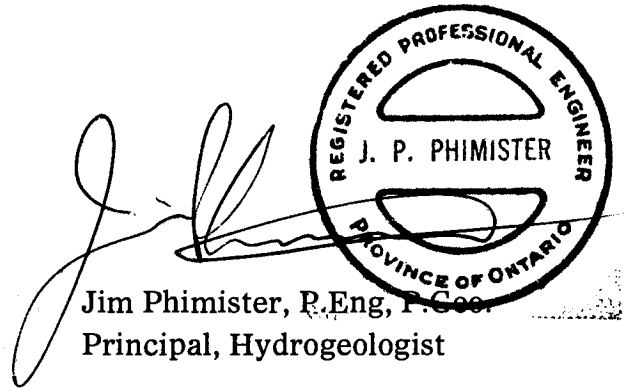
The investigation undertaken by Barenco Inc. with respect to this report and any opinions, conclusions or recommendations made in this report reflect Barenco Inc.'s judgement based on the site conditions observed at the time of the site inspection on the date set out in this report and on information available at the time of preparation of this report. The findings cannot be extended to future site conditions.

If site conditions or applicable standards change or if any additional information becomes available at a future date, modifications to the opinions, conclusions and recommendations in this report may be necessary.

Other than by Rafa Corporation, copying or distribution of this report or the use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of Barenco Inc. Nothing in this report is intended to constitute or provide a legal opinion.

Respectfully submitted,
BARENCO INC.

Carolyn Singer, B.Sc.(Hons.), P.Ag.
Environmental Scientist

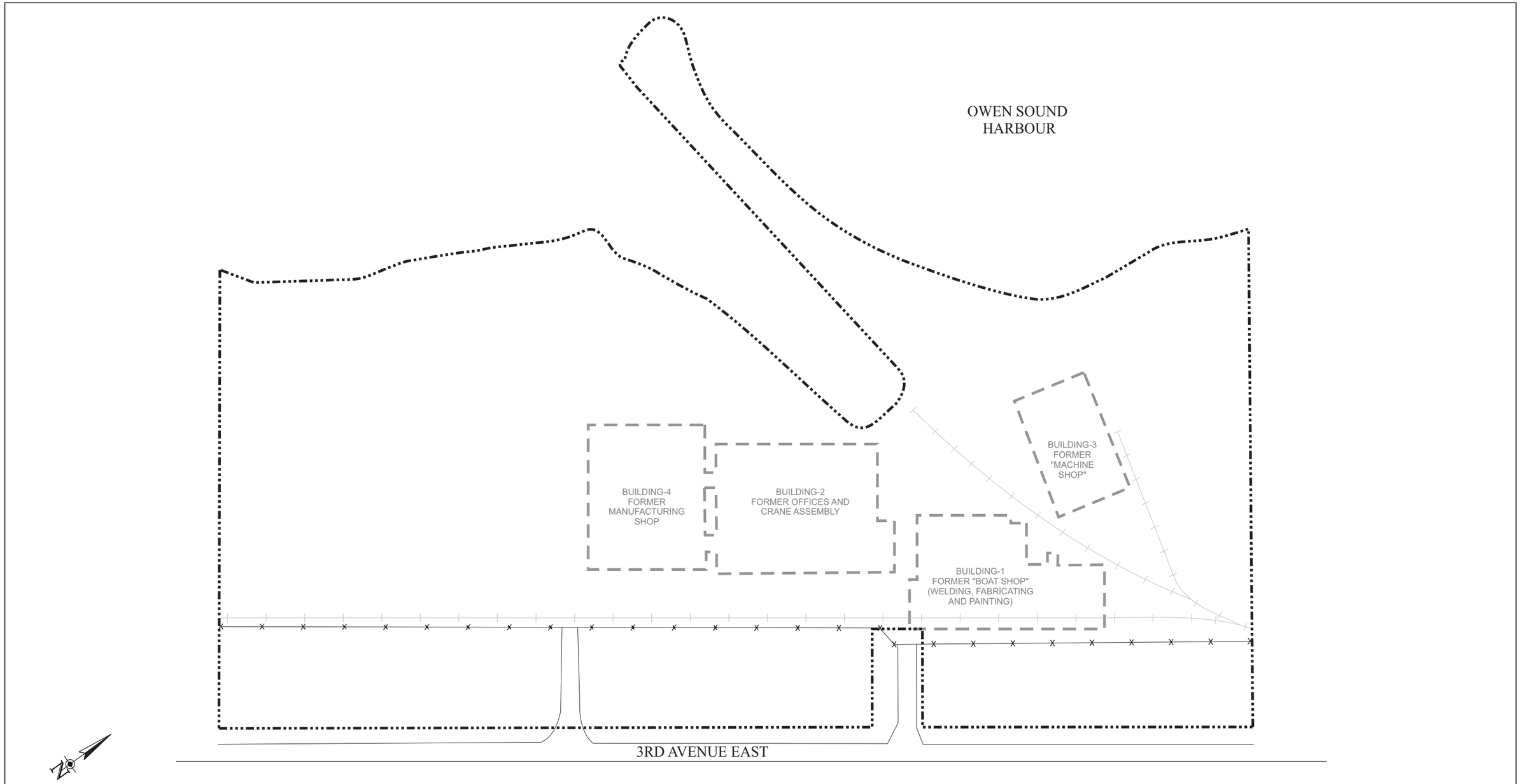


Jim Phimister, P.Eng, P.Geo.
Principal, Hydrogeologist

FIGURES

SCALE: 1:25000	**NOTES:**		LOCALITY PLAN
	SOURCE: MAPART PUBLISHING 2005		2202 3RD AVENUE EAST OWEN SOUND, ONTARIO
BARENCO	DRAWN BY: C.D.	CHECKED BY: C.S.	BARENCO JOB #: 06043 / DATE: SEPTEMBER 2007

06043-LOCALITY



SCALE:

0 10 50 75m

(APPROXIMATE)

SOURCE:

BASED ON DRAWING PROVIDED BY CRA (2000)

LEGEND:

- PROPERTY BOUNDARY
- FENCE LINE
- FORMER BUILDING FOOTPRINT
- FORMER RAIL LINE/SPUR

SITE NORTH

BARENCO

DRAWN BY	CHECKED BY
C.D.	C.S.

SITE PLAN SHOWING FORMER SITE FEATURES

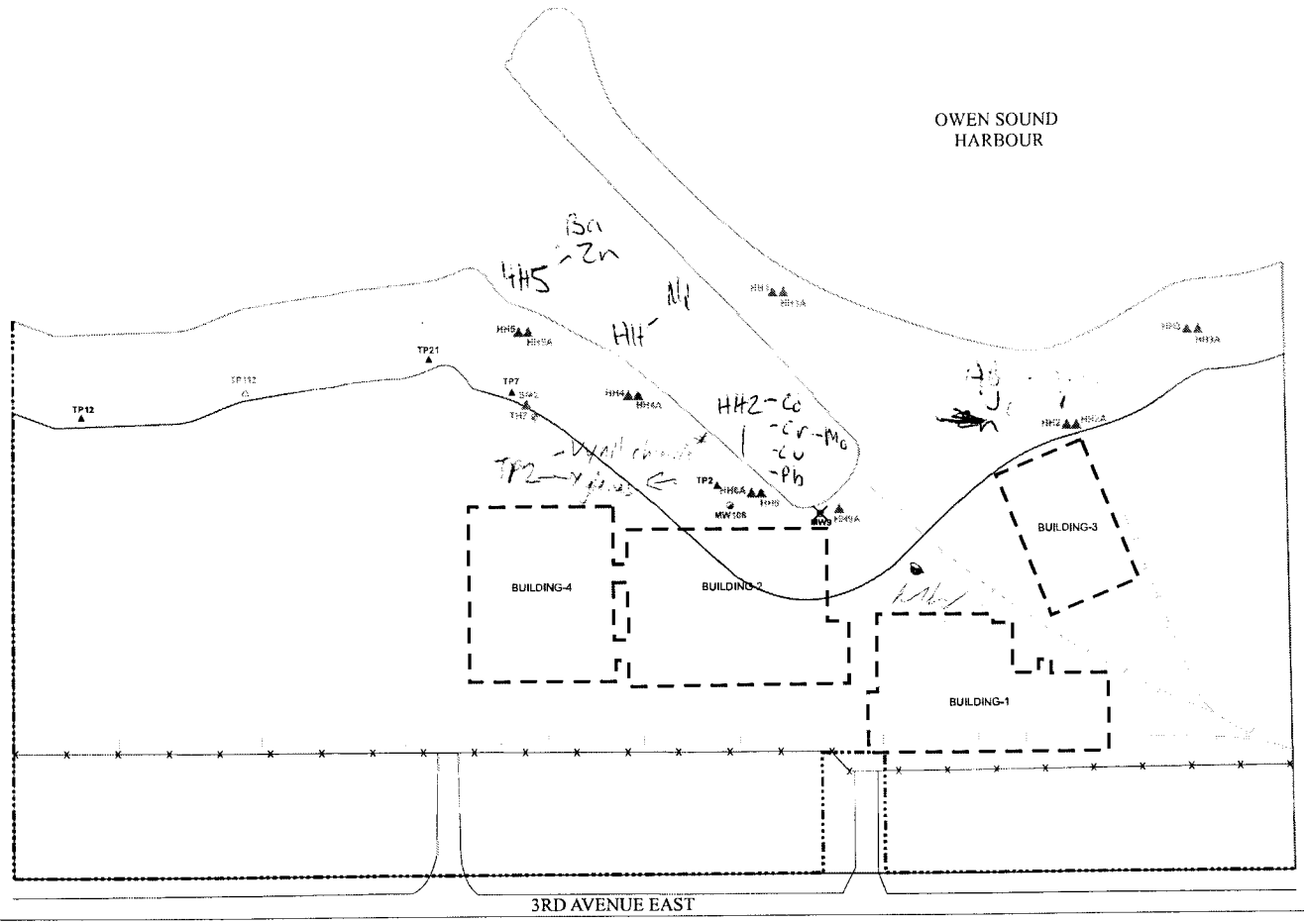
FIGURE 2

FORMER RUSSEL BROTHERS PROPERTY
2202 3RD AVENUE EAST
OWEN SOUND, ONTARIO

BARENCO JOB NUMBER: 06043

DATE: JUNE 2006

06043-SITE PLAN-SEP07



SCALE:

0 10 50 75m

(APPROXIMATE)

SOURCE:

BASED ON DRAWING PROVIDED BY CRA

LEGEND:

- PROPERTY BOUNDARY
- FENCE LINE
- FORMER BUILDING FOOTPRINT
- BARENCO TEST HOLE WITH MONITOR (2006)
- BARENCO TEST HOLE(2006)
- BARENCO SURFICIAL SOIL SAMPLE LOCATION (2006-2007)
- CRA MONITORING WELL (JAN, 2006)
- RUBICON TEST PIT (MAY 2001)
- RUBICON MONITORING WELL (MAY 2001)
- CH2M GORE & STORRIE TEST PIT (JULY 1997)
- DESTROYED / COULD NOT BE FOUND
- ZONE 1 (WITHIN 30M OF WATER BODY - MOE TABLE-1 STANDARDS)
- ZONE 2 (GREATER THAN 30M OF WATER BODY - MOE TABLE-3 STANDARDS)

BARENCO

DRAWN BY	CHECKED BY
C.D.	C.S.

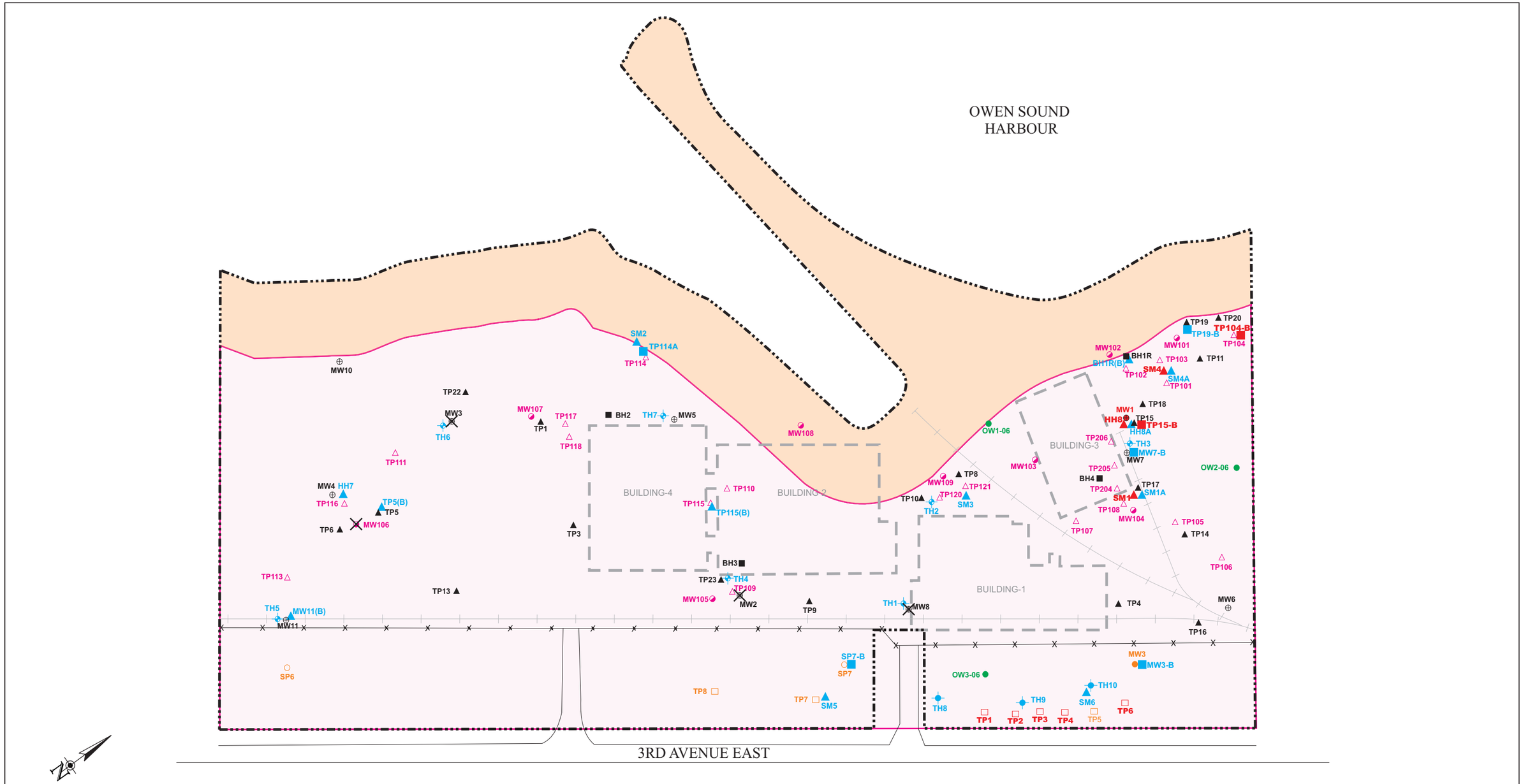
SITE PLAN

FIGURE 3

FORMER RUSSEL BROTHERS PROPERTY
3RD AVENUE EAST
OWEN SOUND, ONTARIO

BARENCO JOB NUMBER: 06043 | DATE: SEPTEMBER 2010

06043-SITE PLAN--SEP07



SCALE:

0 10 50 75m

(APPROXIMATE)

DRAWN BY	CHECKED BY
C.D.	C.S.

BARENCO

SOURCE:

BASED ON DRAWING PROVIDED BY CRA

NOTE:

SYMBOLS IN **RED** INDICATE THE LOCATION OF PREVIOUS EXCEEDANCE OF MOE TABLE 3 OR MOEE 1996 STANDARD

TP1

LEGEND:

- PROPERTY BOUNDARY
- FENCE LINE
- FORMER BUILDING FOOTPRINT
- TH8 — BARENCO TEST HOLE WITH MONITOR (2006)
- TH1 — BARENCO TEST HOLE(2006)
- SM / HH — BARENCO SURFICIAL SOIL SAMPLE LOCATION (2006-2007)
- TP1 — BARENCO TEST PIT (2007)
- OW3-06 — CRA MONITORING WELL (JAN, 2006)
- TP8 — CITY OF OWEN SOUND - TEST PIT CRA (NOV. 2000)
- MW3 — CRA MONITORING WELL (CPR) (NOV. 2000)
- SP7 — CRA STAND PIPE (CPR) (NOV. 2000)
- TP109 — RUBICON TEST PIT (MAY 2001)
- MW3 — RUBICON MONITORING WELL (MAY 2001)
- MW6 — CH2M GORE & STORRIE MONITORING WELL (JULY 1997)
- BH4 — CH2M GORE & STORRIE BORE HOLE (JULY 1997)
- TP23 — CH2M GORE & STORRIE TEST PIT (JULY 1997)
- MW8 — DESTROYED / COULD NOT BE FOUND
- ZONE 1 (WITHIN 30M OF WATER BODY - MOE TABLE-1 STANDARDS)
- ZONE 2 (GREATER THAN 30M OF WATER BODY - MOE TABLE-3 STANDARDS)

SITE PLAN SHOWING SAMPLING LOCATIONS

FIGURE 4

FORMER RUSSEL BROTHERS PROPERTY
2202 3RD AVENUE EAST
OWEN SOUND, ONTARIO

BARENCO JOB NUMBER: 06043

DATE: APRIL 2008

06043-P2-SITE PLAN-APR08

TABLES

BARENCO

Table 1

SITE ENVIRONMENTAL SETTING DATA

Site Location: 2202 3rd Avenue East
Owen Sound, Ontario

Date: September, 2007

NATIVE SOIL

Type:	Sandy silt
Hydraulic Conductivity < 10-3 cm/s:	
>10-3 to <10-6 cm/s:	Estimated to be 10-5cm/s
> 10-6 cm/s:	
Percent Sand:	Not measured

GROUND WATER

Depth to Water Table:	1.6 to 3.5 metres
Estimated or Measured:	Measured
Direction of Flow:	Northwest
Estimated or Measured:	Measured

MUNICIPAL SERVICES

Piped Water:	N/A - site is vacant
Ground Water Source:	NA
Distance to Well:	NA
Surface Water Source:	No
Sanitary Sewer:	No
Storm Sewer:	No

PRIVATE SERVICES

Distance to Nearest Well:	Unknown
Approximate Depth of Well:	Unknown
Private Sanitary Sewage:	No

SURFACE WATER

Name of water body:	Georgian Bay (Owen Sound Harbour)
Distance from site:	Adjacent to site (to west)
Elevation drop from site:	None
Direct Drainage from site:	Yes

Table 2

DARCY'S LAW CALCULATIONS

2202 3rd Avenue East
Owen Sound, Ontario
September, 2007

v=ki/n

Hydraulic
Conductivity k (m/sec) = 1E-07
(cm/sec) = 1.00E-05
Gradient i (m/m) = 0.0100
Porosity* n = 0.35

* (from Freeze & Cherry, 1979)

Hydraulic conductivity for sandy silt in test

Velocity v (m/sec) = 2.86E-09
(feet/sec) = 9.37E-09
(feet/day) = 0.001
(feet/year) = 0.30
(metres/year) = 0.0901

BARENCO INC.

06043

Table 3

SOIL CHEMICAL ANALYSIS - BTEX and Petroleum Hydrocarbon Parameters

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	MW8	TH1	TP10	TH2-1	TH2-2	TH3-2	TP23	TH4-2	MOEE Table B Standards (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	NA	0-0.6	0.14-0.7	0-0.6	0.8-1.4	0.8-1.4	1.5	1.5-2.1		
Consultant	CG&S	Barenco	CG&S	Barenco	Barenco	Barenco	CG&S	Barenco		
Maxxam ID	-	P15669	-	P15670	P15671	P15674	-	P15677		
Sample Date	15-Jul-97	23-Oct-06	15-Jul-97	23-Oct-06	23-Oct-06	23-Oct-06	16-Jul-97	23-Oct-06		
Benzene	<0.025	<0.02	NA	<0.02	<0.02	<0.02	<0.025	<0.02	25	25
Toluene	<0.025	<0.02	NA	0.21	<0.02	<0.02	0.044	<0.02	500	500
Ethylbenzene	<0.025	<0.02	NA	0.09	<0.02	<0.02	<0.025	<0.02	150	150
Xylenes	<0.029	<0.04	NA	0.96	<0.04	0.27	0.139	<0.04	210	210
F1 (C6 to C10 - BTEX)	-	<10	-	21	<10	<10	<10	10	-	260
F2 (C10 to C16)	-	<10	-	26	<10	<10	60	14	-	900
F3 (C16 to C34)	-	38	-	530	<10	11	-	270	-	800
F4 (C34 to C50)	-	43	-	760	<10	<10	-	24	-	5600
TPH (gas/diesel)	43	-	NA	-		-	60	-	1000	-
TPH (heavy oil)	**1500**	-	**2700**	-		-	**7000**	-	1000	-

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

BARENCO INC.

06043

Table 3

SOIL CHEMICAL ANALYSIS - BTEX and Petroleum Hydrocarbon Parameters

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	MW11	TH5	MW3	TH6	MW5	TH7	MW1	HH8	MOEE Table B Standards (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0.6-1.2	0.8-1.4	1.5-2.1	1.5-2.1	2.3-2.9	1.5-2.1	3.0-3.7	0.3-0.6		
Consultant	CG&S	Barenco	CG&S	Barenco	CG&S	Barenco	CG&S	Barenco		
Maxxam ID	-	P15647	-	P15649	-	P15653	-	T62520		
Sample Date	14-Jul-97	24-Oct-06	14-Jul-97	24-Oct-06	15-Jul-97	24-Oct-06	16-Jul-97	20-Jul-07		
Benzene	<0.025	<0.02	<0.025	<0.02	<0.025	<0.02	<0.25	<0.02	25	25
Toluene	<0.025	<0.02	<0.025	<0.02	<0.025	0.66	0.512	<0.02	500	500
Ethylbenzene	<0.025	<0.02	<0.025	<0.02	<0.025	0.19	<0.25	<0.02	150	150
Xylenes	0.033	<0.04	<0.05	<0.04	<0.05	1.9	6.614	0.19	210	210
F1 (C6 to C10 - BTEX)	-	<10	-	<10	<10	24	45	<10	-	260
F2 (C10 to C16)	-	<10	-	<10	18	19	26	<10	-	900
F3 (C16 to C34)	-	210	-	66	-	150	-	68	-	800
F4 (C34 to C50)	-	470	-	190	-	13	-	25	-	5600
TPH (gas/diesel)	142	-	24	-	18	-	71	-	1000	-
TPH (heavy oil)	**2000**	-	**1700**	-	<100	-	400	-	1000	-

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

BARENCO INC.

Table 3

SOIL CHEMICAL ANALYSIS - BTEX and Petroleum Hydrocarbon Parameters

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TP114 (SS1)	TP114A	TP15	TP15-B	MW4	HH7	MOEE Table B Standards (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0.3-0.6	0.3-0.6	0.45-1.4	0.5-2.1	1.5-2.1	0-1.5		
Consultant	Rubicon	Barenco	CG&S	Barenco	CG&S	Barenco		
Maxxam ID	-	V75573	-	W04220	-	T62521		
Sample Date	20-Jul-01	07-Nov-07	15-Jul-97	21-Nov-07	14-Jul-97	20-Jul-07		
Benzene	<0.005	NA	<0.5	<0.02	<0.025	<0.02	25	25
Toluene	<0.005	NA	<0.5	5.7	<0.25	<0.02	500	500
Ethylbenzene	<0.005	NA	0.585	<0.02	<0.25	<0.02	150	150
Xylenes	<0.005	NA	1.87	37	<0.05	<0.04	210	210
F1 (C6 to C10 - BTEX)	-	<10	-	**270**	<10	<10	-	260
F2 (C10 to C16)	-	<10	-	**1200**	67	<10	-	900
F3 (C16 to C34)	-	130	-	450	-	81	-	800
F4 (C34 to C50)	-	NA	-	<10	-	460	-	5600
TPH (gas/diesel)	**2570**	-	**2800**	-	67	-	1000	-
TPH (heavy oil)	**895**	-	**5600**	-	900	-	1000	-

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

BARENCO INC.

06043

Table 4

SOIL CHEMICAL ANALYSIS - VOCs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	MW1	BH1R-SS2	BH1R	MW11-SS3	MW11	TP5	TP5	MOEE Table B Standards (1996)
Depth (m)	1.5-2.1	0.8-1.4	1.0	1.2-1.8	1.5	0.5-1.5	1.0	
Consultant	CG&S	CG&S	Barenco	CG&S	Barenco	CG&S	Barenco	
Maxxam ID	-	-	X97843	-	X97862	-	X97913	
Sample Date	16-Jul-97	16-Jul-97	07-Apr-08	14-Jul-97	07-Apr-08	16-Jul-97	07-Apr-08	
Acetone (2-Propanone)	<50	<0.1	NA	<0.1	NA	<0.1	NA	3.8
Benzene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	25
Bromodichloromethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	14
Bromoform	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	14
Bromomethane	<5	<0.025	NA	<0.025	NA	<0.025	NA	0.38
Carbon Tetrachloride	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.64
Chlorobenzene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	30
Chloroform	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	4.9
Dibromochloromethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	10
1,2-Dichlorobenzene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	30
1,3-Dichlorobenzene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	30
1,4-Dichlorobenzene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	30
1,1-Dichloroethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	100
1,2-Dichloroethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.14
1,1-Dichloroethylene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	100
cis-1,2-Dichloroethylene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	2.3
trans-1,2-Dichloroethylene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	4.1
1,2-Dichloropropane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.12
cis-1,3-Dichloropropene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.041
trans-1,3-Dichloropropene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	
Ethylbenzene	55.7	0.0059	NA	0.0063	NA	0.004	NA	500
Ethylene Dibromide	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.01
Methylene Chloride (Dichloromethane)	<1	<0.005	NA	<0.005	NA	<0.005	NA	120
Methyl Isobutyl Ketone	NA	NA	NA	NA	NA	NA	NA	69
Methyl Ethyl Ketone (2-Butanone)	<5	<0.025	NA	<0.025	NA	<0.025	NA	38
Methyl-t-Butyl Ether (MTBE)	NA	NA	NA	NA	NA	NA	NA	100
Styrene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	7.7
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	0.12
1,1,2,2-Tetrachloroethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.23
Tetrachloroethylene (Perchloroethylene)	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	0.45
Toluene	1.57	0.0041	NA	0.0054	NA	<0.0025	NA	150
1,1,1-Trichloroethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	34
1,1,2-Trichloroethane	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	2.3
Trichloroethylene	<0.5	<0.0025	NA	<0.0025	NA	<0.0025	NA	3.9
Vinyl Chloride	<5	<0.025	<0.002	<0.025	<0.002	<0.025	<0.002	0.0075
Xylenes (Total)	173.9	0.0053	NA	0.009	NA	0.0052	NA	210

Analysis of Barenco samples done by Maxxam Analytics Inc.
All results in ppm (ug/g) and based on dry weight basis.
"NA" means "not analyzed".
* Analytical RDLs are shown except as indicated in brackets.
** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.
Exceedances of applicable standard due to detection limit issues are shown as underlined.

Table 5

SOIL CHEMICAL ANALYSIS - PAHs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TH2-3	MW5	TH7-3	SM2	TP103	SM4	TP5	SM6	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	1.5-2.1	1.5-2.1	1.5-2.1	0-0.5	unknown	0-0.5	0-0.3	0-0.3		
Consultant	Barenco	CG&S	Barenco	Barenco	Rubicon	Barenco	CRA	Barenco		
Maxxam ID	P15672	-	P15653	T62575	-	T62517	-	T62519		
Sample Date	23-Oct-06	15-Jul-97	24-Oct-06	20-Jul-07	20-Jul-01	20-Jul-07	01-Nov-00	20-Jul-07		
Acenaphthene	<0.029	<0.05	0.02	0.02	0.6	<0.1	<0.5	<0.1	1000	1000
Acenaphthylene	<0.01	<0.05	0.032	0.026	0.28	<0.05	3.91	0.05	100	100
Anthracene	<0.01	<0.05	0.025	0.066	2.46	0.13	2.26	0.06	28	28
Benzo(a)anthracene	0.03	0.1	0.07	0.21	5.53	4.7	9.77	0.1	40	40
Benzo(a)pyrene	0.03	0.0666	0.046	0.18	5.99	**6.2**	**25.8**	0.11	1.2	1.2
Benzo(b/j)fluoranthene	0.04	0.0562	0.063	0.24	8.08	**14**	30.6	0.24	12	12
Benzo(g,h,I)perylene	<0.04	0.0401	0.03	0.11	3.25	7.3	21.4	<0.2	40	40
Benzo(k)fluoranthene	<0.02	<0.012	0.02	0.08	2.65	4.1	16.9	<0.1	12	12
Chrysene	0.03	0.111	0.07	0.17	5.12	5	13.9	0.1	12	12
Dibenzo(a,h)anthracene	<0.04	<0.012	<0.02	0.02	1.04	**2**	**4.98**	<0.2	1.2	1.2
Fluoranthene	0.06	0.139	0.11	0.42	12.3	3.6	7.84	0.16	40	40
Fluorene	<0.01	<0.05	0.014	0.021	1.24	<0.05	<0.5	<0.05	350	350
Indeno(1,2,3-cd)pyrne	<0.04	0.0297	0.02	0.12	3.99	7.7	**22.3**	<0.2	12	12
1-Methylnaphthalene	0.03	0.548	0.5	0.15	0.28	0.09	0.7	0.66	1000	1,000
2-Methylnepthalene	0.05	0.58	0.59	0.16	0.38	0.13	0.85	0.76		
Naphthalene	0.03	0.447	0.31	0.097	0.64	0.2	0.61	0.52	40	40
Phenantherene	0.04	0.331	0.36	0.33	9.38	0.71	1.11	0.33	40	40
Pyrene	0.04	0.137	0.09	0.38	9.79	3.6	10.30	0.17	250	250

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable".

"NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

Table 5

SOIL CHEMICAL ANALYSIS - PAHs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TP7	SM5	MW3	MW3-B	TP19	TP19-B	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0-0.2	0-0.3	0-0.8	0-1.0	0.1-1	0.5-3		
Consultant	CRA	Barenco	CG&S	Barenco	CG&S	Barenco		
Maxxam ID	-	T62518	-	W04213	-	W04248		
Sample Date	01-Nov-00	20-Jul-07	01-Nov-00	21-Nov-07	15-Jul-97	21-Nov-07		
Acenaphthene	0.11	<0.01	<0.2	NA	<0.05	NA	1000	1000
Acenaphthylene	1.23	<0.005	0.64	NA	<0.05	NA	100	100
Anthracene	0.82	0.013	0.42	NA	<0.05	NA	28	28
Benzo(a)anthracene	1.87	0.02	1.6	NA	1.43	NA	40	40
Benzo(a)pyrene	**4.01**	0.015	**4.11**	0.016	**2.04**	0.87	1.2	1.2
Benzo(b/j)fluoranthene	6.36	0.023	6.64	NA	2.48	NA	12	12
Benzo(g,h,I)perylene	3.26	<0.02	2.84	NA	1.82	NA	40	40
Benzo(k)fluoranthene	3.39	<0.01	4.08	NA	0.229	NA	12	12
Chrysene	2.84	0.01	2.99	NA	1.88	NA	12	12
Dibenzo(a,h)anthracene	0.98	<0.02	0.96	NA	0.376	NA	1.2	1.2
Fluoranthene	2.7	0.04	1.45	NA	1.14	NA	40	40
Fluorene	0.09	0.008	<0.2	NA	<0.05	NA	350	350
Indeno(1,2,3-cd)pyrne	6.64	<0.02	3.37	NA	1.71	NA	12	12
1-Methylnaphthalene	1.55	0.006	0.79	NA	<0.05	NA	1000	1,000
2-Methylnepthalene	1.88	0.006	0.95	NA	<0.05	NA		1,000
Naphthalene	1.29	0.011	0.58	NA	0.21	NA	40	40
Phenantherene	1.58	0.053	0.72	NA	0.24	NA	40	40
Pyrene	3.53	0.032	2.13	NA	1.15	NA	250	250

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable".

"NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

Table 5

SOIL CHEMICAL ANALYSIS - PAHs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TP3	TP4	TP6	TP104	TP104-B	TP1	TP2	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0-0.3	0-0.2	0-0.5	0.2-0.6	0.2-1	0-0.3	0-0.4		
Consultant	CRA	CRA	CRA	Rubicon	Barenco	CRA	CRA		
Maxxam ID	-	-	-	-	W04231	-	-		
Sample Date	01-Nov-00	01-Nov-00	01-Nov-00	20-Jul-01	21-Nov-07	01-Nov-00	01-Nov-00		
Acenaphthene	<0.2	<0.2	<0.5	<0.05	NA	<0.05	0.10	1000	
Acenaphthylene	1.12	0.85	1.05	<0.05	NA	0.80	0.58	100	100
Anthracene	0.68	0.42	0.52	0.07	NA	0.47	0.79	28	28
Benzo(a)anthracene	1.91	1.34	1.49	1.19	NA	1.08	3.58	40	40
Benzo(a)pyrene	**3.69**	**2.98**	**3.18**	**2.04**	**1.8**	**2.05**	**4.73**	1.2	1.2
Benzo(b/j)fluoranthene	5.24	4.68	4.42	3.62	NA	3.60	8.09	12	12
Benzo(g,h,I)perylene	3.39	2.35	3.18	2.01	NA	1.69	2.71	40	40
Benzo(k)fluoranthene	3.85	3.11	2.87	1.20	NA	1.81	4.14	12	12
Chrysene	3.15	2.19	2.37	1.60	NA	1.69	4.93	12	12
Dibenzo(a,h)anthracene	0.87	0.65	0.84	0.61	NA	0.54	0.72	1.2	1.2
Fluoranthene	2.31	1.92	1.65	1.21	NA	1.72	4.25	40	40
Fluorene	<0.2	<0.2	<0.5	<0.05	NA	0.05	0.08	350	350
Indeno(1,2,3-cd)pyrne	3.71	2.83	3.57	2.24	NA	1.97	3.44	12	12
1-Methylnaphthalene	0.81	0.99	0.90	<0.05	NA	2.69	2.44	1000	1,000
2-Methylnepthalene	1.02	1.23	1.04	0.05	NA	3.39	3.08		1,000
Naphthalene	0.80	0.71	0.69	0.05	NA	2.16	1.88	40	40
Phenantherene	1.02	0.81	0.77	0.37	NA	1.48	1.94	40	40
Pyrene	2.57	2.21	1.82	1.13	NA	1.90	7.63	250	250

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

BARENCO INC.

Table 6

SOIL CHEMICAL ANALYSIS - Metals

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TH8-3	TH9-2	TH10-2	TP114	SM2	TP103	SM4	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	1.5-2.1	0.8-1.4	0.8-1.4	0.3-0.6	0-0.5	unknown	0-0.5		
Consultant	Barenco	Barenco	Barenco	Rubicon	Barenco	Rubicon	Barenco		
Maxxam ID	P15942	P15945	P15952	-	T62575	-	T62517		
Sample Date	24-Oct-06	24-Oct-06	24-Oct-06	20-Jul-01	20-Jul-07	20-Jul-01	20-Jul-07		
Antimony (Sb)	ND	ND	ND	1.5	NA	1.2	NA	13	13
Arsenic (As)	2	3	2	**101**	6	3.8	4	25	25
Barium (Ba)	16.7	18.7	13.6	39	NA	222	NA	1000	1000
Beryllium (Be)	0.2	0.4	0.3	<1	NA	<1	NA	1.2	1.2
Boron (B)	NA	NA	NA	NA	0.39	NA	0.27	1.5	1.5
Cadmium (Cd)	ND	ND	ND	<0.5	NA	<0.5	NA	12	12
Chromium (Cr)	11	13	12	4	9	56	31	1000	1000
Chromium (VI)	ND	ND	ND	NA	NA	NA	NA	10	10
Cobalt (Co)	6.7	7.9	7.1	4	NA	4	NA	50	50
Copper (Cu)	12.8	11.6	12.1	21	18	114	150	300	300
Lead (Pb)	4	4	4	41	27	103	34	200	200
Mercury (Hg)	0.37	ND	ND	0.11	NA	0.13	NA	10	10
Molybdenum (Mo)	ND	ND	ND	<2	0.6	4	4.1	40	40
Nickel (Ni)	13.6	16.2	15.1	9	7.8	41	38	200	200
Selenium (Se)	ND	ND	ND	0.7	NA	2	NA	10	10
Silver (Ag)	ND	ND	ND	<1	NA	<1	NA	25	25
Thallium (Tl)	ND	ND	ND	NA	NA	NA	NA	4.1	4.1
Vanadium (V)	14	16	15	8	NA	12	NA	250	250
Zinc (Zn)	34	33	30	31	NA	127	NA	800	800

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.

Exceedances of applicable standard is shown in **bold**.

SOIL CHEMICAL ANALYSIS - Metals

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TP7	SM5	MW1	HH8	TP115-Paint	TP115	MW3	MW3-B	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0-0.2	0-0.5	0-0.6	0.3-0.6	0-0.5	0-0.5	0-0.8	0-1.0		
Consultant	CRA	Barenco	CG&S	Barenco	Rubicon	Barenco	CRA	Barenco		
Maxxam ID	-	T85524	-	T62520	-	X97911	-	W04213		
Sample Date	01-Nov-00	20-Jul-07	16-Jul-97	20-Jul-07	20-Jul-01	07-Apr-08	01-Nov-00	21-Nov-07		
Antimony (Sb)	3	NA	4.4	NA	NA	NA	2.7	NA	13	13
Arsenic (As)	**220**	5	**36**	9	NA	NA	**74.6**	23	25	25
Barium (Ba)	46	NA	120	NA	NA	NA	46	NA	1000	1000
Beryllium (Be)	0.8	NA	<0.5	NA	NA	NA	0.5	NA	1.2	1.2
Boron (B)	NA	NA	<0.5	0.21	NA	NA	NA	NA	1.5	1.5
Cadmium (Cd)	0.3	NA	1.2	NA	NA	NA	0.3	NA	12	12
Chromium (Cr)	17	NA	150	140	NA	NA	13	NA	1000	1000
Chromium (VI)	<1	NA	NA	NA	NA	NA	<1	NA	10	10
Cobalt (Co)	11	NA	13	NA	NA	NA	8	NA	50	50
Copper (Cu)	101	NA	**420**	180	NA	NA	78	NA	300	300
Lead (Pb)	91	NA	**360**	**410**	1,880	20	95	NA	200	200
Mercury (Hg)	0.09	NA	0.18	NA	NA	NA	0.13	NA	10	10
Molybdenum (Mo)	13	NA	16	15	NA	NA	3	NA	40	40
Nickel (Ni)	36	NA	75	33	NA	NA	22	NA	200	200
Selenium (Se)	1.1	NA	3.7	NA	NA	NA	0.8	NA	10	10
Silver (Ag)	<0.8	NA	<1	NA	NA	NA	<0.8	NA	25	25
Thallium (Tl)	NA	NA	<4	NA	NA	NA	NA	NA	4,1	4.1
Vanadium (V)	53	NA	31	NA	NA	NA	18	NA	250	250
Zinc (Zn)	76	NA	450	NA	NA	NA	55	NA	800	800

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

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Exceedances of applicable standard is shown in **bold**.

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Table 6

SOIL CHEMICAL ANALYSIS - Metals

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	SP7	SP7-B	TP1	TP2	TP3	TP4	TP5	TP6	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0.5-0.8	0-1.5	0-0.3	0-0.5	0-0.3	0-0.2	0-0.3	0-0.4		
Consultant	CRA	Barenco	CRA	CRA	CRA	CRA	CRA	CRA		
Maxxam ID	-	W04283	-	-	-	-	-	-		
Sample Date		21-Nov-07	01-Nov-00	01-Nov-00	01-Nov-00	01-Nov-00	01-Nov-00	01-Nov-00		
Antimony (Sb)	NA	NA	4.4	5.9	5.1	4.9	5.8	6.2	13	13
Arsenic (As)	**220**	15	**113**	**158**	**188**	**188**	**178**	**201**	25	25
Barium (Ba)	NA	NA	70	114	73	50	47	53	1000	1000
Beryllium (Be)	NA	NA	0.7	0.7	0.7	0.8	0.7	0.9	1.2	1.2
Boron (B)	NA	NA	NA	NA	NA	NA	NA	NA	1.5	1.5
Cadmium (Cd)	NA	NA	0.6	0.7	0.3	0.3	0.5	0.3	12	12
Chromium (Cr)	NA	NA	22	28	14	13	15	15	1000	1000
Chromium (VI)	NA	NA	<1	<1	<1	<1	<1	<1	10	10
Cobalt (Co)	NA	NA	11	10	10	11	11	12	50	50
Copper (Cu)	NA	NA	117	168	132	163	157	146	300	300
Lead (Pb)	NA	NA	168	**356**	159	169	184	179	200	200
Mercury (Hg)	NA	NA	0.08	0.12	0.13	0.14	0.16	0.16	10	10
Molybdenum (Mo)	NA	NA	4	4	3	4	4	4	40	40
Nickel (Ni)	NA	NA	36	44	30	30	35	35	200	200
Selenium (Se)	NA	NA	1.4	0.8	0.7	0.8	0.8	0.8	10	10
Silver (Ag)	NA	NA	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	25	25
Thallium (Tl)	NA	NA	NA	NA	NA	NA	NA	NA	4,1	4.1
Vanadium (V)	NA	NA	30	29	24	24	26	29	250	250
Zinc (Zn)	NA	NA	174	215	66	70	81	72	800	800

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

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Exceedances of applicable standard is shown in **bold**.

BARENCO INC.

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Table 6

SOIL CHEMICAL ANALYSIS - Metals

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TP17	TP108	SM1	MW7	MW7-B	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0-0.35	0-0.2	0-0.35	0-0.6	0.2-1.5		
Consultant	CG&S	Rubicon	Barenco	CG&S	Barenco		
Maxxam ID	-	-	P16178	-	W04259		
Sample Date	15-Jul-97		25-Oct-06	16-Jul-97	21-Nov-07		
Antimony (Sb)	<1	9.7	NA	<1	NA	13	13
Arsenic (As)	**48**	23	13	25	NA	25	25
Barium (Ba)	100	650	NA	57	NA	1000	1000
Beryllium (Be)	<0.5	<1	NA	<0.5	NA	1.2	1.2
Boron (B)	<0.5	NA	0.44	<0.5	NA	1.5	1.5
Cadmium (Cd)	2.6	<0.5	NA	3.6	NA	12	12
Chromium (Cr)	1,000	744	NA	170	NA	1000	1000
Chromium (VI)	NA	NA	NA	NA	NA	10	10
Cobalt (Co)	33	34	NA	12	NA	50	50
Copper (Cu)	**580**	**457**	251	220	NA	300	300
Lead (Pb)	**260**	**1010**	**398**	100	NA	200	200
Mercury (Hg)	0.02	0.1	NA	0.11	NA	10	10
Molybdenum (Mo)	**290**	**151**	**57.9**	**66**	4	40	40
Nickel (Ni)	**620**	**449**	170	91	NA	200	200
Selenium (Se)	<1	<0.5	NA	4.2	NA	10	10
Silver (Ag)	<1	<1	NA	<1	NA	25	25
Thallium (Tl)	<4	NA	NA	<4	NA	4,1	4.1
Vanadium (V)	47	30	NA	31	NA	250	250
Zinc (Zn)	170	504	NA	230	NA	800	800

Analysis of Barenco samples done by Maxxam Analytics Inc.

All results in ppm (ug/g) and based on dry weight basis. "ND" means "not detected" at reporting detection limit (RDL). "-" means "not applicable". "NA" means "not analyzed".

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Exceedances of applicable standard is shown in **bold**.

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Table 7

SOIL CHEMICAL ANALYSIS - PCBs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID	TP121	SM3	MOEE Table B Standard (1996)	Ontario Reg 153/04 Table 3 Soil Standards**
Depth (m)	0-0.4	0-0.4		
Consultant	Rubicon	Barenco		
Maxxam ID	-	T62516		
Sample Date	20-Jul-01	20-Jul-07		
Total PCBs	**7.9**	1.2	5	5

Analysis of Barenco samples done by Maxxam Analytics Inc.
All results in ppm (ug/g) and based on dry weight basis.
** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils.
Exceedances of applicable standard is shown in **bold**.

BARENCO INC.

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GROUND WATER CHEMICAL ANALYSIS - VOCs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID		TH8	TH9	TH10	MW4	MW5	MW6	MW7	MW10	MW11	MW101	MW103	MW104	MW107	MW109	Ontario Reg 153/04 Table 3 Ground Water Standards
Consultant		Barenco	Barenco	Barenco	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	
Maxxam ID		P15906	P15907	P15908	U25695	U25696	U25697	U25698	U25726	U25699	U25727	U25700	U25701	U25702	U25730	
Sample Date	RDL*	26-Oct-06	26-Oct-06	26-Oct-06	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	**
Acetone (2-Propanone)	<10	ND	24	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3300
Benzene	<0.1	0.1	0.3	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000
Bromodichloromethane	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Bromoform	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5200
Bromomethane	<0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16
Carbon Tetrachloride	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Chlorobenzene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	500
Chloroform	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2700
Dibromochloromethane	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
1,2-Dichlorobenzene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7600
1,3-Dichlorobenzene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7600
1,4-Dichlorobenzene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7600
1,1-Dichloroethane	<0.1	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	0.1	ND	ND	0.9	50000
1,2-Dichloroethane	<0.1	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110
1,1-Dichloroethylene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1
cis-1,2-Dichloroethylene	<0.1	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	70
trans-1,2-Dichloroethylene	<0.1	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
1,2-Dichloropropane	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58
cis-1,3-Dichloropropene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24
trans-1,3-Dichloropropene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24
Ethylbenzene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Ethylene Dibromide (1,2-Dibromoethane)	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21
Methylene Chloride (Dichloromethane)	<0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Methyl Isobutyl Ketone (MIBK)	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Methyl Ethyl Ketone (2-Butanone)	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Methyl-t-Butyl Ether (MTBE)	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Styrene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5900
,1,1,2-Tetrachloroethane	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38
,1,2,2-Tetrachloroethane	<0.2	(<0.1) ND	(<0.1) ND	(<0.1) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140
Tetrachloroethylene (Perchloroethylene)	<0.1	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Toluene	<0.2	ND	6.7	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37000
,1,1-Trichloroethane	<0.1	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
,1,2-Trichloroethane	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
richloroethylene (Trichloroethene)	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	50
inyl Chloride	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
ylenes (Total)	<0.1	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35000

Analysis by Maxxam Analytics Inc.

All results in ppb (ug/l). ND means "not detected" at reporting detection limit (RDL).

* Analytical RDLs are shown except as indicated in brackets.

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils and a non-potable ground water condition.

Exceedances of the MOE Table 3 standards are shown in **bold**.

Table 9

GROUND WATER CHEMICAL ANALYSIS - PAHs

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID		MW4	MW5	MW6	MW7	MW11	MW101	MW101	MW103	MW104	MW107	MW109	MW109	TH8	TH9	TH10	Ontario Reg 153/04 Table 3 Ground Water Standards**
Consultant		CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Barenco	Barenco	Barenco	
Maxxam ID		U25695	U25696	U25697	U25698	U25699	M08374	P15909	U25700	U25701	U25702	M08375	P15910	U25703	U25704	U25705	
Sample Date	RDL*	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	16-May-06	25-Oct-06	22-Aug-07	22-Aug-07	22-Aug-07	16-May-06	25-Oct-06	22-Aug-07	22-Aug-07	22-Aug-07	
Acenaphthene	0.05	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.06	ND	ND	ND	ND	ND	1700
Acenaphthylene	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2000
Anthracene	0.05	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
Benzo(a)anthracene	0.05	ND	0.06	ND	0.05	ND	**10**	ND	0.08	ND	ND	ND	ND	0.2	0.07	ND	5
Benzo(a)pyrene	0.01	ND	0.02	ND	0.03	0.01	**20**	ND	0.04	0.01	ND	0.02	ND	0.2	0.02	0.01	1.9
Benzo(b/j)fluoranthene	0.05	ND	ND	ND	0.06	ND	**20**	ND	0.07	ND	ND	ND	ND	0.3	ND	ND	7
Benzo(g,h,I)perylene	0.1	ND	ND	ND	ND	ND	**20**	ND	ND	ND	ND	0.2	ND	0.1	ND	ND	0.2
Benzo(k)fluoranthene	0.05	ND	ND	ND	ND	ND	**7**	ND	ND	ND	ND	ND	ND	0.08	ND	ND	0.4
Chrysene	0.05	ND	ND	ND	ND	ND	**10**	ND	ND	ND	ND	ND	ND	0.1	ND	ND	3
Dibenzo(a,h)anthracene	0.1	ND	ND	ND	ND	ND	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25
Fluoranthene	0.05	ND	ND	ND	0.1	0.06	10	ND	0.08	ND	ND	0.3	ND	0.2	0.1	ND	130
Fluorene	0.05	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	0.06	ND	290
Indeno(1,2,3-cd)pyrne	0.1	ND	ND	ND	ND	ND	**10**	ND	ND	ND	ND	ND	ND	0.1	ND	ND	0.27
1-Methylnaphthalene	0.05	ND	0.05	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	13000
2-Methylnepthalene	0.05	ND	0.07	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	13000
Naphthalene	0.05	ND	0.08	ND	ND	ND	0.3	ND	ND	ND	0.07	0.05	ND	ND	ND	ND	6200
Phenantherene	0.05	ND	0.08	ND	0.09	0.08	4	ND	ND	ND	ND	0.2	ND	0.08	0.08	ND	63
Pyrene	0.05	ND	ND	ND	0.09	0.06	10	ND	0.08	ND	ND	0.3	ND	0.3	0.09	ND	40

Analysis by Maxxam Analytics Inc.
All results in ppb (ug/l). ND means "not detected" at reporting detection limit (RDL).
* Analytical RDLs are shown except as indicated in brackets.
** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils and a non-potable ground water condition.
Exceedances of the MOE Table 3 standards are shown in **bold**.

Table 10

GROUND WATER CHEMICAL ANALYSIS - Metals

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID		TH8	TH9	TH10	MW4	MW5	MW6	MW7	MW11	MW101	MW101	MW103	MW104	MW107	MW109	Ontario Reg 153/04 Table 3 Ground Water Standards **
Consultant		Barenco	Barenco	Barenco	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	
TH location (Zone)		Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	Zone 2	
Maxxam ID		P15906	P15907	P15908	U66998	U25696	U25697	U25698	U25699	M08374	U66995	U25700	U25701	U25702	M08375	
Sample Date	RDL*	26-Oct-06	26-Oct-06	26-Oct-06	13-Sep-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	16-May-06	13-Sep-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	
Antimony (Sb)	0.5	(<1) ND	(<1) ND	(<1) ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	16000
Arsenic (As)	1	ND	2	ND	1	ND	ND	1	2	NA	NA	2	ND	28	NA	480
Barium (Ba)	5	99	310	120	69	24	140	66	190	NA	NA	93	150	64	NA	23000
Beryllium (Be)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	53
Boron (B)	10	140	490	220	270	55	200	140	590	320	NA	610	490	130	1200	50000
Cadmium (Cd)	0.1	0.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	11
Chromium (Cr)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	2000
Cobalt (Co)	0.5	3.1	18	3.6	1.1	ND	ND	ND	0.6	1.4	ND	ND	0.9	ND	ND	100
Copper (Cu)	1	3	1	ND	ND	3	5	ND	3	6	ND	4	2	1	1	23
Lead (Pb)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	32
Molybdenum (Mo)	1	1	3	4	ND	ND	ND	ND	ND	NA	NA	ND	3	ND	NA	7300
Nickel (Ni)	1	3	4	1	ND	ND	ND	ND	ND	NA	NA	ND	4	ND	NA	1600
Selenium (Se)	2	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	50
Silver (Ag)	0.1	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	1.2
Thallium (Tl)	0.05	ND	ND	ND	(<0.1) ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	400
Vanadium (V)	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	3	NA	200
Zinc (Zn)	5	860	45	ND	ND	13	35	ND	16	NA	NA	16	20	13	NA	1100

Analysis by Maxxam Analytics Inc.
All results in ppb (ug/l). ND means "not detected" at reporting detection limit (RDL).
* Analytical RDLs are shown except as indicated in brackets.
** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils and a non-potable ground water condition.
Exceedances of the MOE Table 3 standards are shown in **bold**.

APPENDIX A

Terms and Conditions

BARENCO

Terms and Conditions

1. SERVICES TO BE PROVIDED AND STANDARD OF CARE. Barenco Inc. ("Barenco") agrees to provide Client for its sole benefit and exclusive use, services set forth in Barenco's Proposal. Barenco's offer to perform shall be terminated if not accepted within sixty (60) days of the date of the Proposal. Barenco's services shall be performed in accordance with the standard of care of its profession which means generally accepted professional practices, related to the nature of the work accomplished, at the time and place the services are performed. Subject to this standard of care, Barenco makes no express or implied warranties regarding its services except as otherwise expressly stated herein and all other representations and warranties, express or implied, are hereby expressly excluded. Both parties agree that no third-party beneficiaries are intended by this Agreement.

2. PAYMENT. Invoices will be submitted once a month for services performed during the prior month, or upon completion of the work, whichever is earlier. Payment terms are due upon receipt. Interest will be added to accounts thirty (30) days in arrears at the rate of two per cent (2%) of the arrears for each month of delinquency, not to exceed the maximum percentage rate allowed by law. In addition, Barenco may, after giving seven (7) days written notice, suspend services under this or any other Agreement with Client without liability until all past due accounts (including fees and accrued interest) have been paid. Timely payment is an essential requirement of Client's performance of any Agreement between Barenco and Client. All expenses incurred by Barenco for liening or collecting any delinquent amount including, without limitation, legal and other third-party fees and filing fees, shall be paid to Barenco by Client.

3. RIGHT OF ENTRY AND PROPERTY RESPONSIBILITY. Client has responsibility for obtaining a right of entry to the property which is the subject of the services. The right of entry shall allow Barenco, its agents, subcontractors and employees to enter the property, including buildings if required to complete the services as proposed, from time to time, as necessary to perform the agreed services. Barenco has responsibility for its own activities on the property including the safety of its employees; it does not assume control of nor responsibility for the property, the person in charge of the property, nor the safety of persons not in Barenco's employ.

4. INSURANCE. Barenco maintains Workers' Compensation insurance for its employees as required by provincial law. In addition, Barenco maintains the following insurance policies: Commercial General Liability, Pollution Liability and Professional Liability ($1,000,000) each occurrence, $1,000,000 Policy Aggregate) and Automobile Third Party Liability ($2,000,000).

5. DOCUMENTS. Barenco will furnish Client the agreed upon number of written reports and supporting documents. All such reports and documents are furnished for Client's exclusive internal use and reliance, use of Client's counsel, and for regulatory submission as expressly contemplated in connection with the services provided for in the Agreement, but not for advertising or other type of distribution, and are subject to the following: All documents generated by Barenco under this Agreement shall remain the sole property of Barenco. Any unauthorized use or distribution of Barenco's work shall be at Client's and recipient's sole risk and without liability to Barenco. Barenco retains a confidential file copy of its work product and related documents. If Client desires to release, or for Barenco to provide, its report to a third party, which is not entitled to receive or use the reports and documents as set out above, for that third party's reliance, Barenco will agree to such release provided it receives written acceptance from such third party to be bound by acceptable terms and conditions similar to this Agreement, and provided payment by such third party of Barenco's standard fee. Reports provided for disclosure of information only will not require separate agreement. Client acknowledges and agrees to inform such third party that Barenco's report reflects conditions only at the time of the report and may not reflect conditions at a later time. Client further acknowledges that such request for release creates a potential conflict of interest for Barenco and by making any such request Client waives any such claim if Barenco complies with the request. Client agrees that all documents furnished to Client or Client's agent or designees, if not paid for, will be returned upon demand and will not be used by Client or any other person or entity for any purpose whatsoever. Client further agrees that documents produced by Barenco pursuant to this Agreement will not be used for any purpose not expressly provided for in this Agreement without Barenco's prior written approval. Client shall furnish documents or other information reasonably within Client's control and deemed necessary by Barenco for proper performance of its services. Barenco may rely, without independent investigation or enquiry, upon Client-provided documents in performing the services required under this Agreement; however, Barenco assumes no responsibility or liability for their accuracy. Client-provided documents will remain the property of Client but Barenco may retain one confidential file copy as needed to support its report.

6. CONFIDENTIALITY. Barenco will maintain as confidential any documents or information provided by Client and will not release, distribute or publish same to any third party without prior permission from Client, unless compelled by law or by order of a court or regulatory authority of competent jurisdiction.

7. INTELLECTUAL PROPERTY. All concepts, products, processes, inventions, trade-marks, works, designs and improvements to, and derivatives of, the foregoing, resulting from the services rendered by Barenco in connection with the project, or which are invented, authored, developed or first used or reduced to practise by Barenco in the performance of the services shall be and remain the property of Barenco. Client shall have a personal non-exclusive, royalty-free, non-assignable, non-sublicensable licence to use the Intellectual Property in connection with the project, for the life of the project, and for no other purpose or project. Barenco does not make any representation or warranty that such Intellectual Property does not violate the rights of any other person.

8. WASTE. Client warrants that, if it knows or suspects that "waste" (within the meaning of the Ontario Environmental Protection Act) may exist on the property, it has so informed Barenco. Client also agrees that Barenco accepts no ownership of any waste and has no responsibility as a generator of any waste found or identified at the project property.

9. LIMITATION OF LIABILITY. CLIENT EXPRESSLY AGREES THAT, TO THE FULLEST EXTENT PERMIT TED BY LAW, ITS MAXIMUM AGGREGATE RECOVERY AGAINST BARENCO, ITS DIRECTORS, EMPLOYEES, SUB-CONTRACTORS AND REPRESENTATIVES, FOR ANY AND ALL CLAIMS BY CLIENT FOR ALL CAUSES INCLUDING, BUT NOT LIMITED TO, CLAIMS OF BREACH OF CONTRACT, BREACH OF WARRANTY AND/OR NEGLIGENCE, SHALL BE THE AMOUNT OF THE FEE PAID TO BARENCO FOR ITS PROFESSIONAL SERVICES RENDERED UNDER THE AGREEMENT WITH RESPECT TO THE PARTICULAR SITE WHICH IS THE SUBJECT OF THE CLAIM BY CLIENT. PROVIDED THAT, IF THERE IS AN EVENTUAL FINAL DETERMINATION BY A COURT OF COMPETENT JURISDICTION OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT BY BARENCO, THEN THE MAXIMUM AGGREGATE RECOVERY SHALL BE LIMITED AS FOLLOWS: THE GREATER OF (A) THE FEE OR (B) THE LESSER OF TWO TIMES (2x) THE FEE AND $25,000.

Terms and Conditions (cont.)

10. INDEMNIFICATION. To the fullest extent permitted by law, Client agrees to defend, indemnify, and hold Barenco, its agents, subcontractors, and employees harmless from and against any and all claims, defence costs, including legal fees, damages and other liabilities arising out of or in any way related to Barenco's reports or recommendations concerning this Agreement, Barenco's presence on the project property, or the presence, release or threatened release of contaminants on or from the project property provided that Client shall not indemnify Barenco against liability for damages caused by or resulting from the sole negligence of Barenco, its agents, subcontractors or employees or against penalties or fines resulting from violations by Barenco of its own Certificates of Approval; and provided further that Client shall indemnify Barenco against liability for damages caused by or resulting from the concurrent or contributory negligence of (a) Client, its agents, or employees and (b) Barenco, its agents, subcontractors, or employees, only to the extent of Client's negligence or the negligence of Client's agents or subcontractors. Provided further that Barenco's obligation hereunder shall not extend to indemnification or holding harmless for any claims of loss of profits or any other indirect, special, incidental, or consequential damages of any nature whatsoever.

11. UNFORESEEN OCCURRENCES. If any unforeseen conditions or occurrences are encountered which, in Barenco's judgement, significantly affect or may affect the original services as proposed, then Barenco will promptly notify Client. After such notification, the parties agree that Barenco has the unilateral right to complete the original services as proposed, if appropriate, or agree with Client to modify the Agreement, or terminate the Agreement.

12. TERMINATION AND RESTART. In the event that Client requests termination of work prior to completion or Barenco terminates work under Paragraph 11, a final invoice will be rendered. Where the method of payment is based on time and materials, Barenco will be paid for all work performed up to notice of termination and for all expenses incurred or committed to that cannot be cancelled. Where the method of payment is based on a fixed price, the final invoice will be based on the percentage of work completed by the date of termination. Barenco also has the right to complete at client's expense the analyses and records Barenco considers necessary to protect its professional reputation.

13. WELL ABANDONMENT. Any monitoring wells installed as part of Barenco's work may later need to be abandoned in accordance with applicable law. Unless expressly provided for in the proposal, well abandonment is not included in the work.

14. DISPOSAL OF SAMPLES. Samples not submitted for analysis will be discarded 90 days after sampling unless different arrangements are agreed to in writing.

15. SUBSURFACE RISKS AND SITE DAMAGE. Client recognizes that special risks occur and guarantees cannot be expected whenever professional consulting services are applied to determine the composition of a site's subsurface or the existence or non-existence of waste materials. Barenco cannot eliminate these risks altogether, but Barenco can apply professional techniques to reduce the risks to a level deemed tolerable and Client agrees to accept that level of risk. Whenever Barenco is providing field services, Client recognizes that the use of exploration and test equipment may unavoidably damage or alter the property surface or subsurface. Barenco will not be responsible for personal and property damages due to its interference with subterranean structures, such as pipes, tanks, and utility lines that are not called to Barenco's attention in writing or correctly shown on plans provided by Client, or for which clearances cannot be obtained from utility owners or their agents, or which are incorrectly cleared by utility owners or their agents.

16. SEVERABILITY AND SURVIVAL. Any element of this Agreement later held to violate a law shall be deemed void, and all remaining provisions shall continue in force. However, Client and Barenco will in good faith attempt to replace any invalid or unenforceable provision with one that is valid and enforceable, and which comes as close as possible to expressing the intent of the original provision. All terms and conditions of this Agreement allocating liability between Client and Barenco shall survive the completion of the services hereunder and the termination of the Agreement.

17. DISPUTES RESOLUTION. All matters in dispute howsoever caused may with the consent of both parties be referred to arbitration. The award of the arbitrator shall be final and binding upon the parties. The provisions of the Ontario Arbitrations Act, 1991, shall apply. Alternatively, if the dispute requires litigation, (a) Client assents to exclusive jurisdiction of the courts of the Province of Ontario (b) the claim will be brought and tried in the judicial jurisdiction where Barenco's principal place of business is located and Client waives the right to move the action to any other judicial jurisdiction and (c) the prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, legal fees and other claim-related expenses.

18. PRECEDENCE. These terms and conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, or like document concerning Barenco's services.

19. GOVERNING LAW. This Agreement shall be governed in all respects by the laws of the Province of Ontario.

20. ENTIRE AGREEMENT. This Agreement, together with Barenco's Proposal, constitutes the entire agreement between Client and Barenco pertaining to the subject matter of this Agreement and supersedes all other agreements, understandings, negotiations and discussions, whether oral or written. There are no conditions, warranties, representations or other agreements between the parties in connection with the subject matter of this Agreement (whether oral or written, express or implied, statutory or otherwise) except as specifically set out in this Agreement. Barenco shall not be bound or deemed to be bound by any other document or instrument issued by the Client, including without limitation, purchase orders, requisitions, or contracts unless a duly authorized officer of Barenco expressly agrees in writing to be bound by the terms of such documents or instruments, notwithstanding that documents or instruments may state otherwise.

21. PREPARATION OF AGREEMENT. Notwithstanding any rule or maxim of law or construction to the contrary, the parties agree that any ambiguity or uncertainty contained in this Agreement shall not be construed against Barenco merely because this Agreement was drafted or prepared by or on behalf of Barenco.

APPENDIX B

Site Photographs

BARENCO

VIEW FROM SPIT ON SUBJECT SITE, FACING EAST (OCTOBER 23, 2006)

VIEW FROM SPIT ON SUBJECT SITE, FACING SOUTH (OCTOBER 23, 2006)

VIEW FROM SUBJECT SITE TOWARDS WATER TREATMENT PLANT (SOUTH ADJACENT PROPERTY) (OCTOBER 23, 2006)

VIEW FROM SUBJECT PROPERTY, FACING NORTH (OCTOBER 23, 2006)

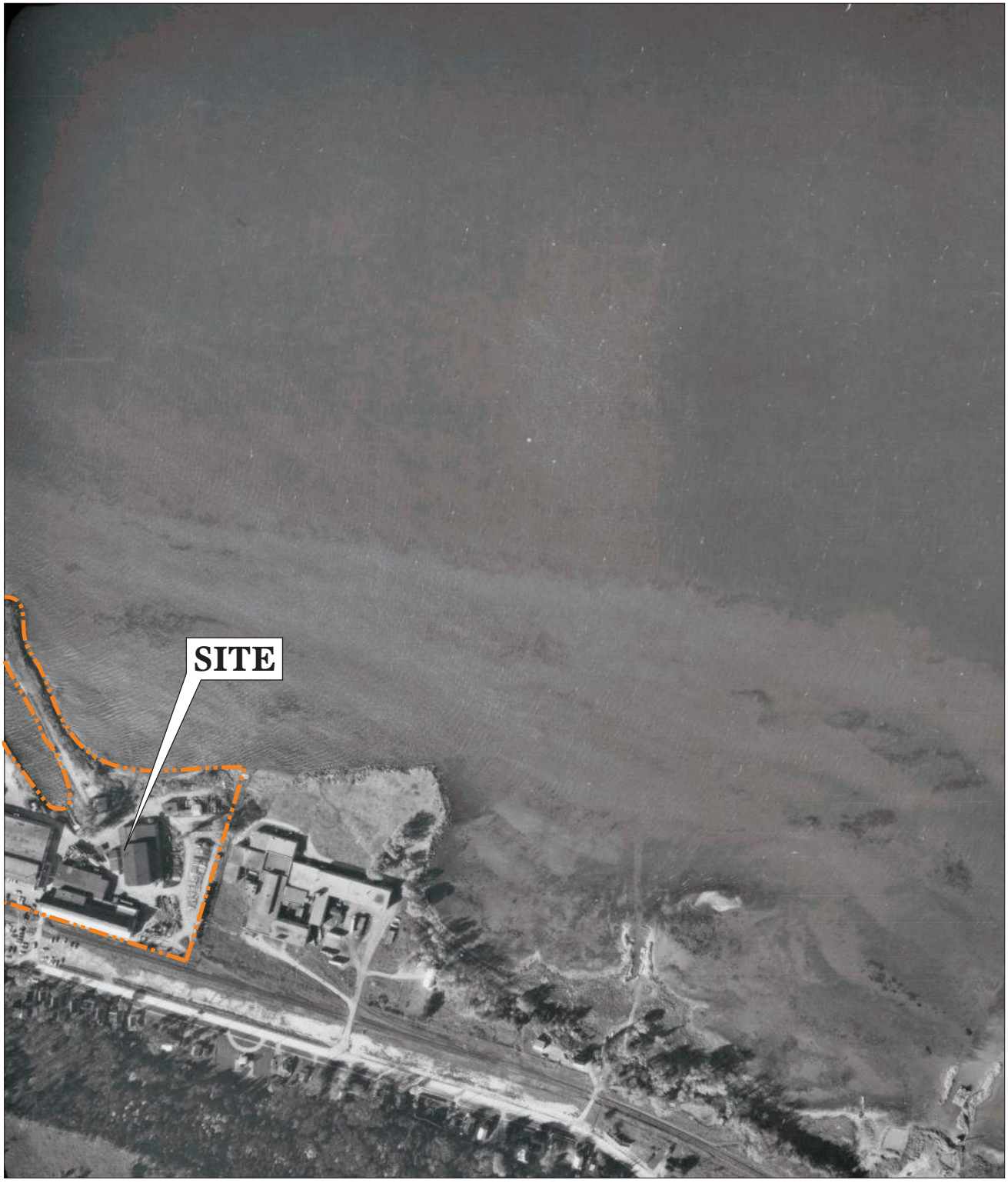
VIEW OF ADJACENT PROPERTIES TO THE EAST (NORTH OF THE SITE) (OCTOBER 23, 2006)

VIEW OF SUBJECT SITE, FACING SOUTHWEST (OCTOBER 23, 2006)

APPENDIX C

Aerial Photographs

BARENCO



SCALE:	SOURCE:		AIR PHOTO 1966
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BARENCO			BARENCO JOB NUMBER: 06043

SCALE:	SOURCE:		AIR PHOTO 1973
1:20000	NATIONAL AIR PHOTO LIBRARY	N	2202 3RD AVENUE EAST OWEN SOUND, ONTARIO
BARENCO			BARENCO JOB NUMBER: 06043

SCALE:	SOURCE:		AIR PHOTO 1987
1:6000	NATIONAL AIR PHOTO LIBRARY		2202 3RD AVENUE EAST OWEN SOUND, ONTARIO
BARENCO			BARENCO JOB NUMBER: 06043

APPENDIX D

Fire Insurance Plan (1946)

BARENCO

CGI Information Systems and Management Consultants Inc.
90 Allstate Parkway
5th Floor
Markham, Ontario
L3R 6H3
Tel. (905) 474-0003
Fax. (905) 474-5604
www.cgi.com

CGI Environmental Services
Historical Environmental Reporting System (HEIRS™)

Kathryn Shaw-Edmond
ECOLOG ERIS
12 Concorde Pl., Suite 800
Toronto, ON
M3C 4J2

November 9, 2006

Regarding: 3rd Avenue East, Owen Sound - 20061107021

As requested, we have searched our records concerning the above site and the following information as listed below is appended hereto:

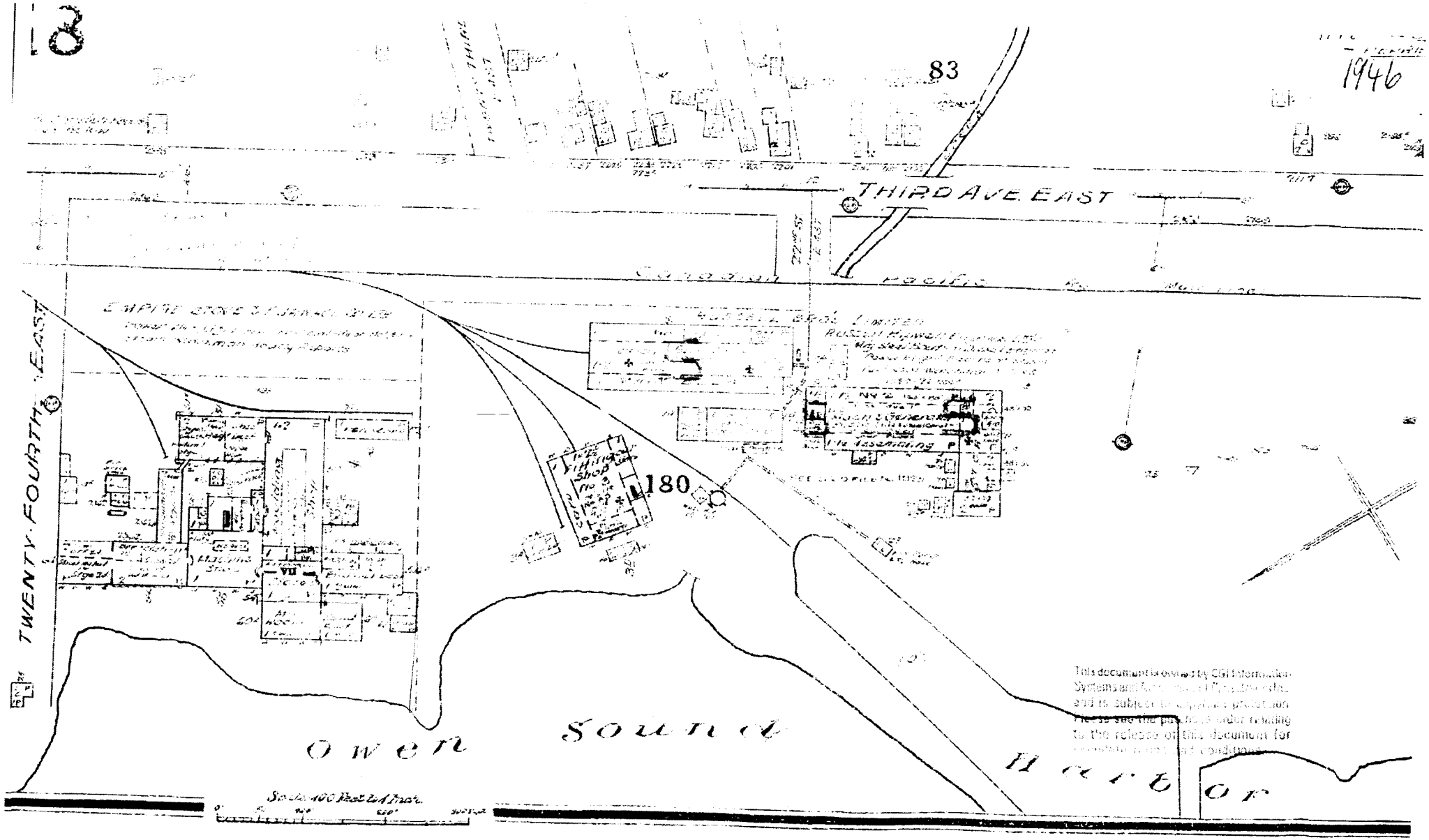
Information	Date(s)
Fire Insurance Plan(s)	1946
Property Underwriters' Report(s)	NO
Property Underwriters' Plan(s)	NO

NRF: No Records Found

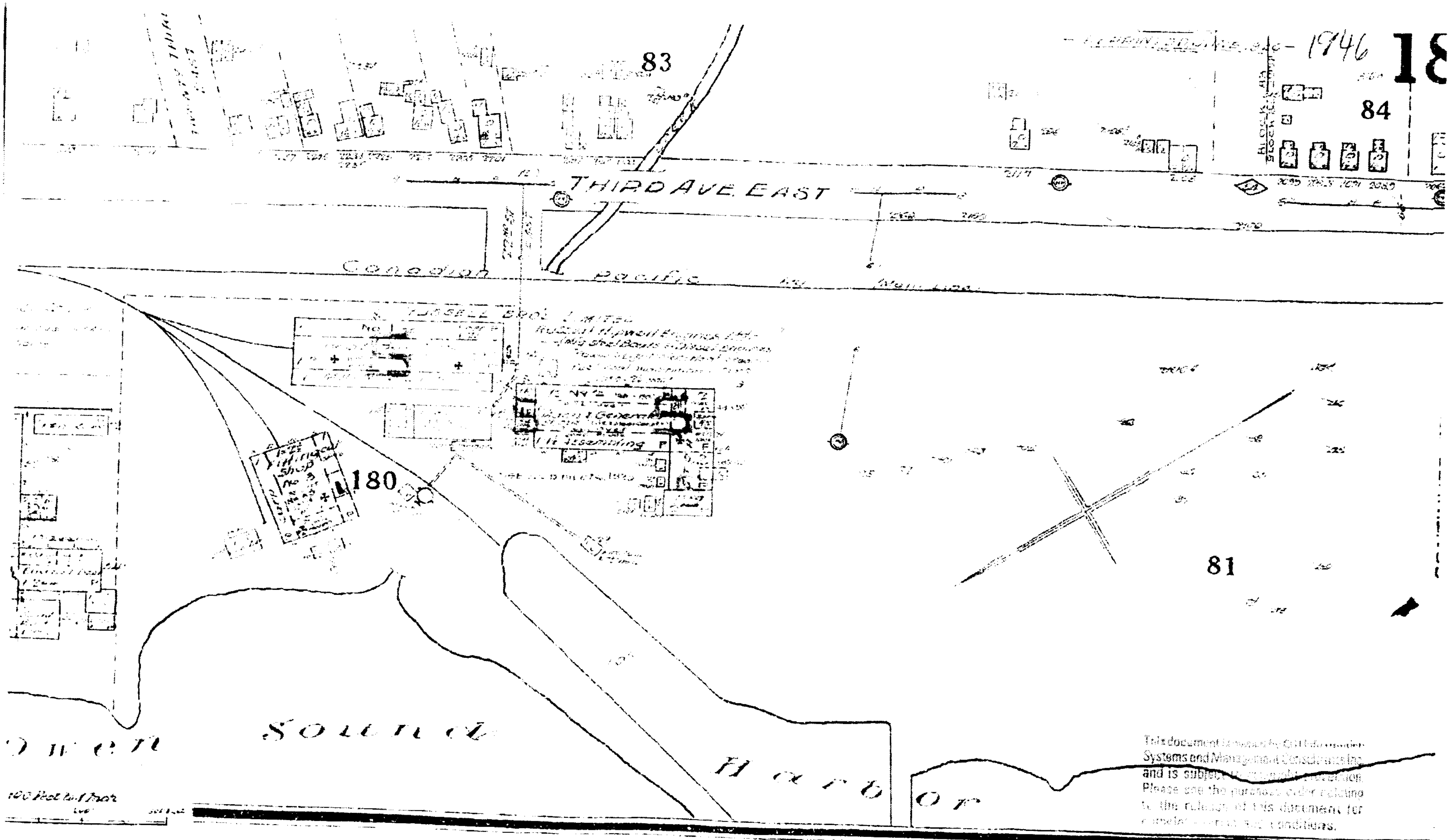
Our invoice in the amount of $125.00 (+ GST) for the information provided will follow in due course.

Thank you for employing the services of CGI.

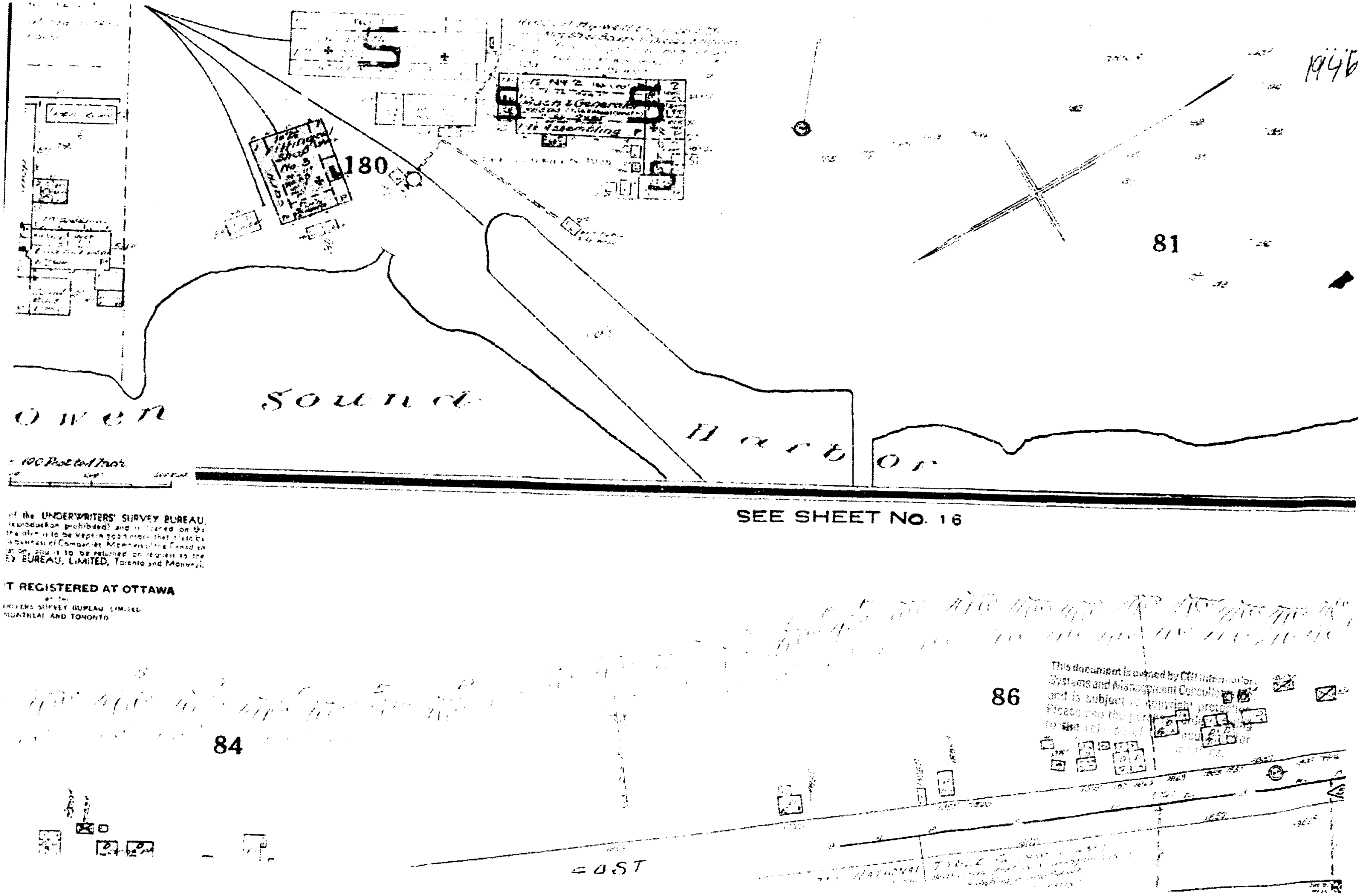
Shazeeda Ally,
Environmental Services

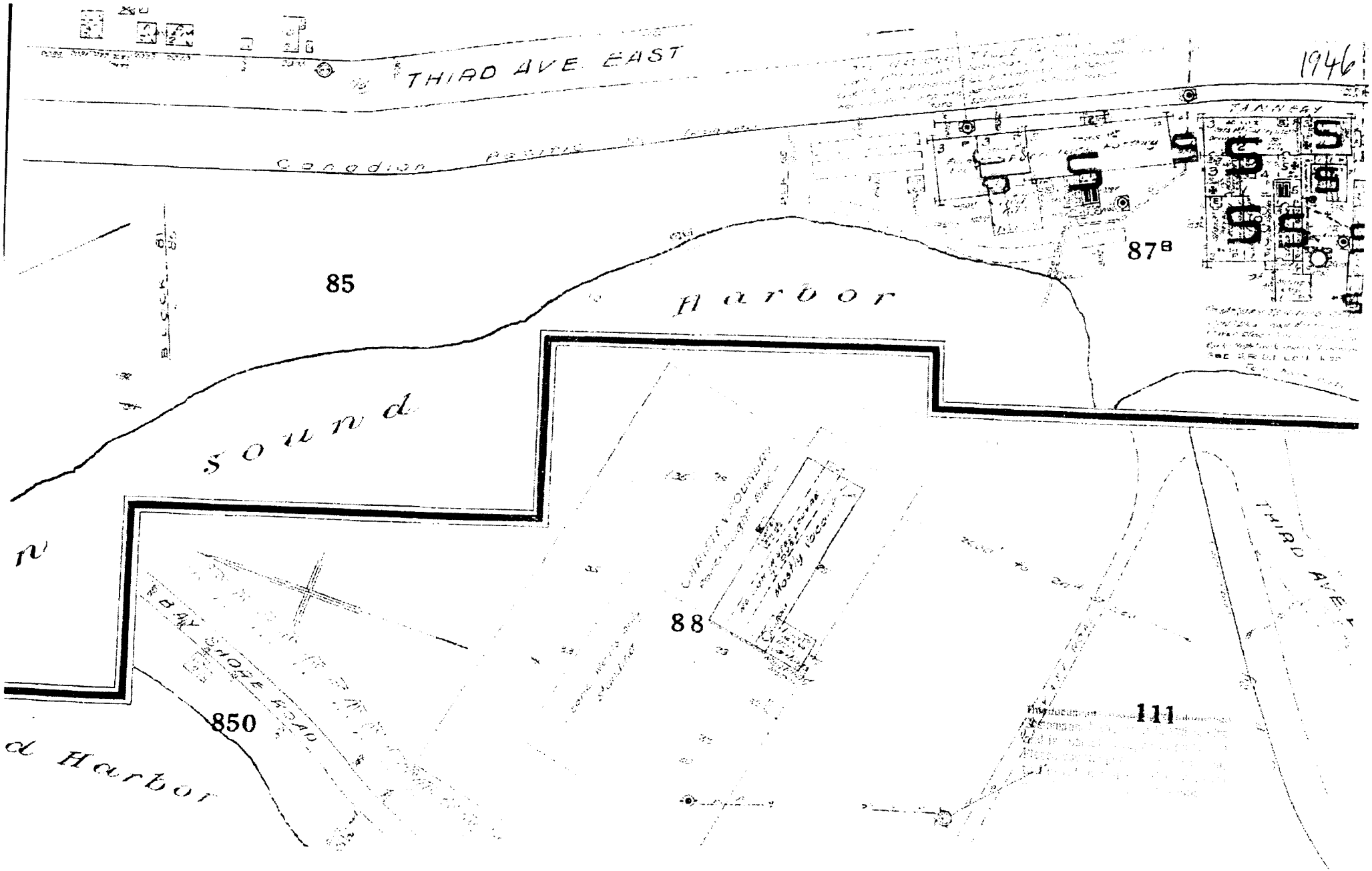


SEE SHEET NO. 16

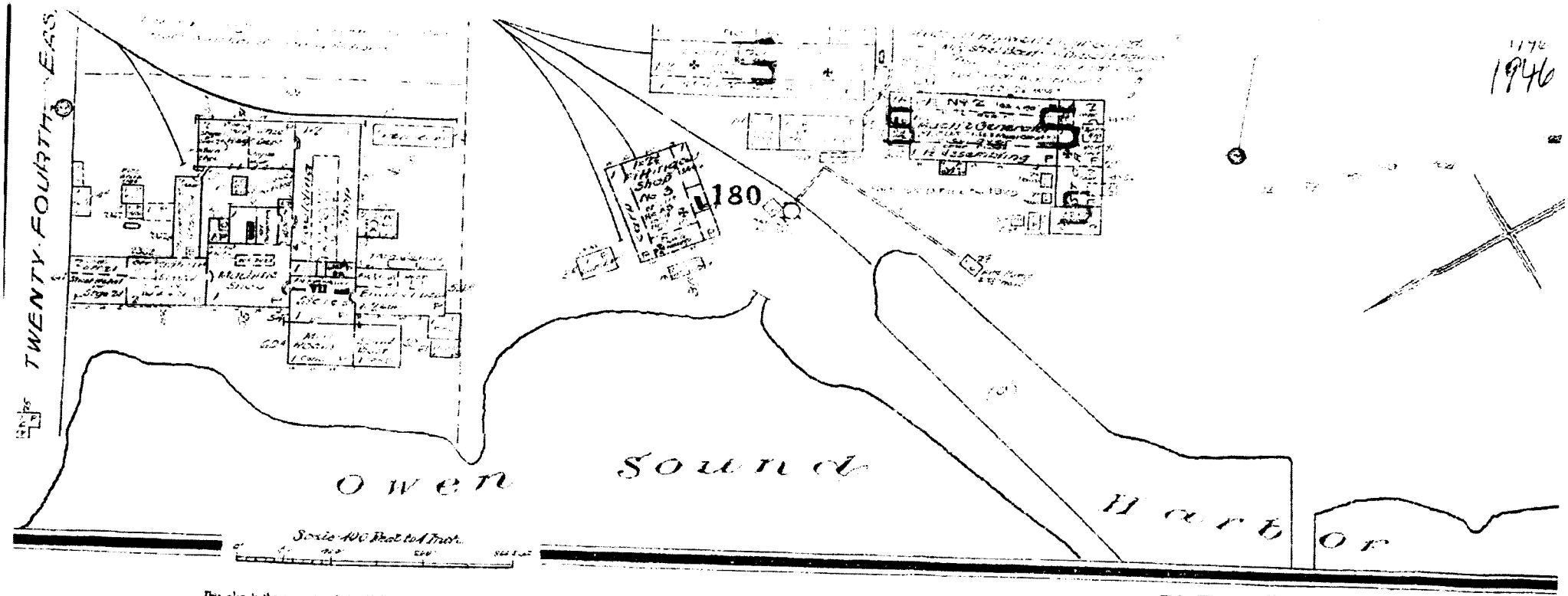


SEE SHEET No. 16


1946
180
81
Owen Sound Harbor
SEE SHEET No. 16
100 Feet to 1 Inch
...of the UNDERWRITERS' SURVEY BUREAU
...T REGISTERED AT OTTAWA
84
86
EAST
This document is owned by CGI Information Systems and Management Consultants and is subject to copyright protection.


1946
THIRD AVE EAST
Canadian
85
Harbor
Sound
87B
88
111
850
BAY SHORE ROAD
Third Ave
Harbor

CONTINUED FROM ABOVE
Owen Sound Harbour
Owen Sound
Harbour
THIRD AVE. EAST
81
85
88
850



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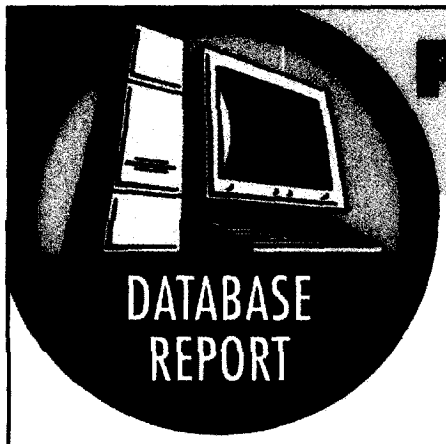
APPENDIX E

EcoLog ERIS Report

BARENCO



Pinpointing Your Environmental Risks

Environmental Risk Information Service

ECO LOG ERIS

Project Site:	**Un-Named Site** **3 AVE E && 24 ST E** **Owen Sound, ON**
Client:	**Tanya Fernandes** **Barenco Inc.** **2561 Stouffville Rd.** **Ste. 202** **Gormley, ON L0H 1G0**
ERIS Project No:	**20070226016**
Report Type:	**Custom Report - 0.25km Search Radius**
Prepared By:	**Matt Thompson** mthompson@ecologeris.com
Date:	**April 03, 2007**

12 Concorde Place, Suite 800 Toronto, Ontario M3C 4J2
Phone: (416) 510-5204 Fax: (416) 510-5133 Toll Free: 1-877-512-5204
www.ecologERIS.com info@ecologeris.com

Table of Contents

Order Number: 20070226016
Site Name: Un-Named Site
Site Address: 3 AVE E && 24 ST E Owen Sound, ON
Report Type: Custom Report, 0.25 km Search Radius

Report Summary

Order Number: 20070226016
Site Name: Un-Named Site
Site Address 3 AVE E && 24 ST E Owen Sound, ON
Report Type: Custom Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

Database		Selected	On-site	Within 0.25	0.25km to 2.00km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0	0
AGR	Aggregate Inventory	Y	0	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0	0
CA	Certificates of Approval	Y	1	10	0	10
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0	0
CHEM	Chemical Register	Y	0	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0	0
CONV	Compliance and Convictions	Y	0	0	0	0
DRL	Drill Hole Database	Y	0	0	0	0
EBR	Environmental Registry	Y	0	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0	0
EHS	ERIS Historical Searches	Y	1	2	0	2
EIIS	Environmental Issues Information System	Y	0	0	0	0
FCON	Federal Convictions	Y	0	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	7	17	0	17
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	Y	0	1	0	1
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0	0
NPCB	National PCB Inventory	Y	0	4	0	4
NPRI	National Pollutant Release Inventory	Y	3	3	0	3
OGW	Oil and Gas Wells	Y	0	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	6	0	6
ORD	Orders	Y	0	0	0	0
ORIS	Occurrence Reporting Information System	Y	3	4	0	4
PAP	Canadian Pulp and Paper	Y	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0	0
PES	Pesticide Register	Y	0	0	0	0
PST	Private Fuel Storage Tanks	Y	0	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	1	1	0	1
RSC	Record of Site Condition	Y	0	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0	0

Report Summary

Order Number: 20070226016
Site Name: Un-Named Site
Site Address 3 AVE E && 24 ST E Owen Sound, ON
Report Type: Custom Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 2.00km	Total
SCT	Scott's Manufacturing Directory	Y	0	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS	Water Well Information System	Y	0	0	0	0
		TOTAL	16	48	0	48

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.

SITE DIAGRAM

ECO LOG

Environmental Risk Information Service

12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: Un-Named Site
3 AVE E && 24 ST E
Owen Sound, ON

ERIS Project #: 20070226016

Date: APR-03-2007

LEGEND

- Project Property
- Database Location

Points of Interest
- Chimney
- Silo

Pipe & Transmission Lines
- Pipeline
- Transmission Line
- Transmission Tower
- Transformer Station

Rail
- Railway - Main
- Railway - Sidetrack
- Railway - Abandoned
- Bridge
- Tunnel

Transportation - Other
- Embankment
- Trail
- Runway

Hydrographic Features
- Permanent Waterway
- Intermittent Waterway
- Open Reservoir
- Dyke/Levee
- Dam
- Breakwall
- Wetland

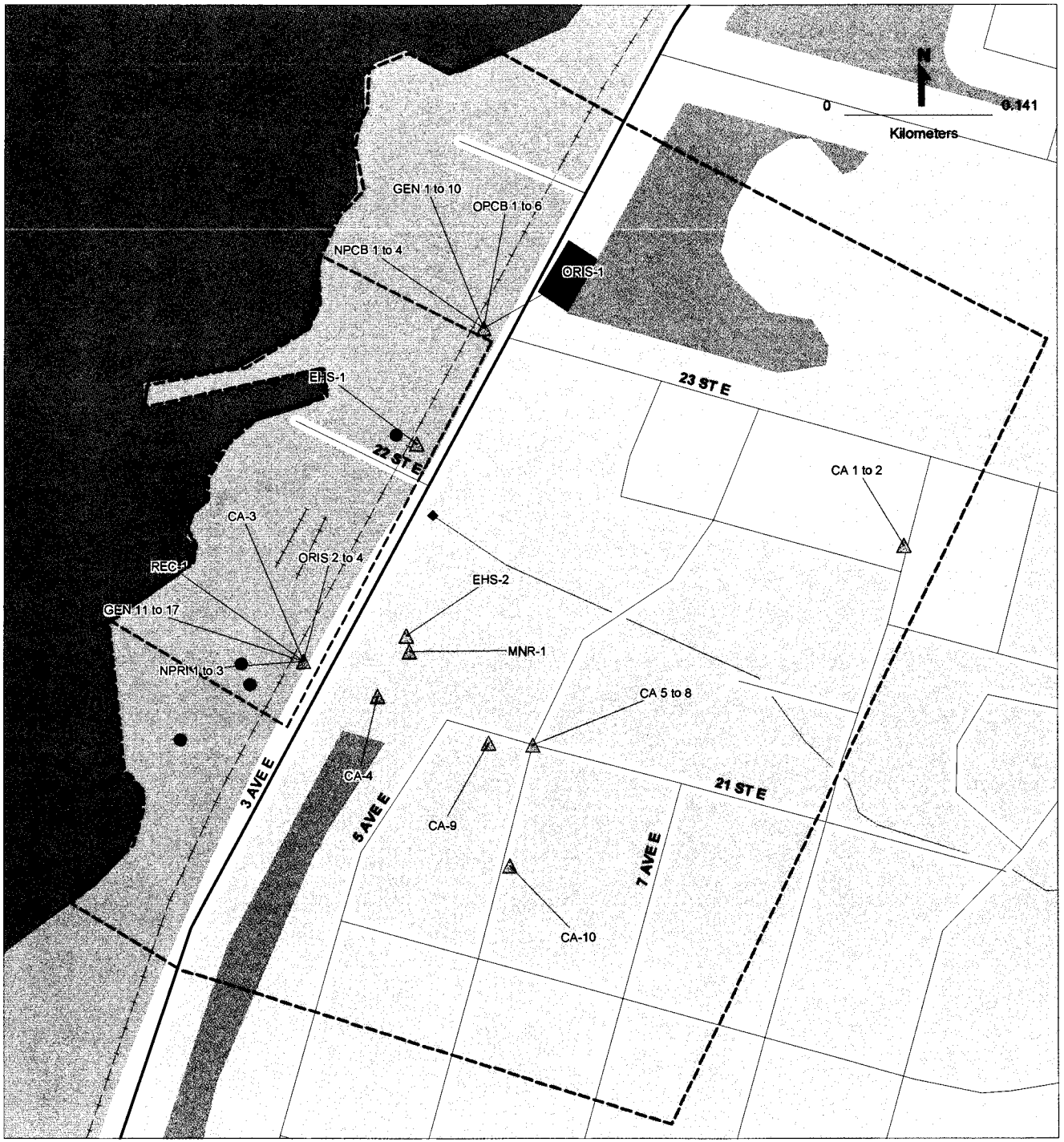
Landuse Classifications
- Open Area
- Residential
- Commercial
- Resource and Industrial
- Government and Institutional
- Parks and Recreational
- Waterbody

Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

Vegetation
- Wooded Area
- Orchard
- Vineyard

Industrial Resources
- Conveyor
- Crane: Moveable
- Crane: Stationary
- Tank
- Rock Cut
- Auto Wrecker
- Lumber Yard
- Pit

This diagram is to be used solely for relative street location purposes. It may not accurately portray street or site positions.



Site Report

Order Number: 20070226016
Site Name: Un-Named Site
Site Address 3 AVE E && 24 ST E Owen Sound, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Certificates of Approval

Map Key	Company Name	Address	City	Postal Code
CA-3	OWEN SOUND CITY	2050-3RD AVE.E.SLUDGE STOR.FAC	OWEN SOUND CITY	

ERIS Historical Searches

Map Key	Company Name	Address	City	Postal Code
EHS-1		3rd Avenue East	Owen Sound	

National Pollutant Release Inventory

Map Key	Company Name	Address	City	Postal Code
NPRI-1	Ontario Clean Water Agency	P. O. Box 760, Anglesia Street N 2050 Third Avenue; East	Owen Sound	N4K 2M6
NPRI-2	City of Owen Sound	2050 3rd Avenue East	Owen Sound	
NPRI-3	City of Owen Sound	2050 3rd Avenue East	Owen Sound	

Occurrence Reporting Information System

Map Key	Company Name	Address		City	Postal Code
ORIS-2	MOE	OWEN SOUND WPCP	2050 THIRD AVENUE EAST	OWEN SOUND CITY	
ORIS-3	ONTARIO CLEAN WATER AGENCY	POTTAWATOMI RIVER OWEN SOUND WPCP	2050 THIRD AVENUE EAST	OWEN SOUND CITY	
ORIS-4	MOE	PARAGON PUMPING STATION OWEN SOUND WPCP	2050 THIRD AVENUE EAST	OWEN SOUND CITY	

Ontario Regulation 347 Waste Receivers Summary

Map Key	Company Name	Address	City	Postal Code
REC-1	ONTARIO CLEAN WATER AGENCY	OWEN SOUND WASTE WATER TREATMENT PLANT 2050 THIRD AVENUE EAST	OWEN SOUND	N4K 2M6

Ontario Regulation 347 Waste Generators Summary

Map Key	Company Name	Address	City	Postal Code
GEN-11	MINISTRY OF THE ENVIRONMENT	2050 THIRD AVE. E.	OWEN SOUND	N4K 2M6

Site Report

Order Number: 20070226016
Site Name: Un-Named Site
Site Address 3 AVE E && 24 ST E Owen Sound, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Map Key	Company Name	Address	City	Postal Code
GEN-12	Veolia Water Canada Incorporated	2050-3rd Avenue East	Owen Sound	N4K2M6
GEN-13	Ontario Clean Water Agency	2050 Third Avenue East	Owen Sound	
GEN-14	ONTARIO CLEAN WATER AGENCY	2050 3RD AVENUE EAST	OWEN SOUND	N4K 2M6
GEN-15	ONTARIO CLEAN WATER AGENCY	2050 THIRD AVENUE EAST	OWEN SOUND	N4K 2M6
GEN-16	MINISTRY (SEE & USE ON1808623) 27-213	2050 THIRD AVE. E.	OWEN SOUND	N4K 2M6
GEN-17	MINISTRY (SEE & USE ON1808623)	2050 THIRD AVENUE EAST	OWEN SOUND	N4K 2M6

Detail Report

Order Number: 20070226016
Site Name: Un-Named Site
Site Address: 3 AVE E && 24 ST E Owen Sound ON
Report Type: Custom Report, 0.25 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Certificates of Approval

ERIS Historical Searches

Ontario Regulation 347 Waste Generators Summary

Mineral Occurrences

National PCB Inventory

National Pollutant Release Inventory

Inventory of PCB Storage Sites

Occurrence Reporting Information System

Ontario Regulation 347 Waste Receivers Summary

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	806372 ONTARIO LTD.- RIDGECREST ESTATES	8TH AVE. E/22ND ST. E/23RD ST. OWEN SOUND CITY	3-0282-91-	91	4/25/1991	Municipal sewage	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-2	806372 ONTARIO LTD.- RIDGECREST ESTATES	8TH AVE.E/22ND ST. E/23RD ST.E OWEN SOUND CITY	7-0255-91-	91	4/25/1991	Municipal water	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-3	OWEN SOUND CITY	2050-3RD AVE.E.SLUDGE STOR.FAC OWEN SOUND CITY	3-0045-96-	96	2/21/1996	Municipal sewage	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-4	P.U.C. OWEN SOUND	21ST ST. E., 3RD. AVE. E. OWEN SOUND CITY	7-0267-90-	90	4/18/1990	Municipal water	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-5	OWEN SOUND MUNICIPAL NON-PROFIT HOUSING	6TH AVE. E./21ST ST. E. OWEN SOUND CITY	3-0182-90-	90	6/12/1990	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-6	OWEN SOUND CITY	6TH AVE. E./21ST STREET E. OWEN SOUND CITY	7-0846-90-	90	7/11/1990	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-7	OWEN SOUND MUNICIPAL NON-PROFIT HOUSING	6TH AVE. E./21ST ST. E. OWEN SOUND CITY	7-0135-90-	90	6/12/1990	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-8	OWEN SOUND CITY	6TH AVE. E.-21ST ST. EAST OWEN SOUND CITY	3-1038-90-	90	7/11/1990	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-9	OWEN SOUND CITY	21ST ST.E./6TH AVE.E/5TH AVE.E OWEN SOUND CITY	3-0293-95-	95	4/3/1995	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-10	CAN-RESCO SERVICES INC.	6TH AVE. E/20TH & 21ST ST. E OWEN SOUND CITY	7-1779-90-	90	6/11/1991	Municipal water	Approved in 1991	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	CAN-RESCO SERVICES INC.	6TH AVENUE EAST OWEN SOUND CITY	3-2189-90-	90	6/11/1991	Municipal sewage	Approved in 1991	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		3rd Avenue East Owen Sound	20061107021	11/16/2006	Complete Report	0.25
			Addit. Info Ordered:	Fire Insur. Maps And /or Site Plans		
EHS-2		Owen Sound	20000705005	7/7/00	Complete Report	3.50
			Addit. Info Ordered:			

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	RUSSEL BROTHERS	(DIV. OF PACCAR OF CANADA LTD.) 2202 THIRD AVE. E. OWEN SOUND N4K 5P7	3022	PLATE WORK INDUSTRY	145	PAINT/PIGMENT/COATING RESIDUES
			Generator #:	ON0218000	211	AROMATIC SOLVENTS
			Approval Yrs:	86,87,88,89	213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
GEN-2	RUSSEL BROTHERS 33-039	DIV. OF RT1 LEYLAND INC. 2202 THIRD AVE. E. OWEN SOUND N4K 5P7	3022	PLATE WORK INDUSTRY	145	PAINT/PIGMENT/COATING RESIDUES
			Generator #:	ON0218000	211	AROMATIC SOLVENTS
			Approval Yrs:	94,95,96	213	PETROLEUM DISTILLATES
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
GEN-3	OWEN SOUND, CORPORATION OF THE CITY OF	2202 THIRD AVENUE EAST OWEN SOUND				
			Generator #:	ON0393505		
			Approval Yrs:	02,03		
GEN-4	OWEN SOUND, CORPORATION OF THE CITY OF	2202 THIRD AVENUE EAST OWEN SOUND	8373	ENVIRON. ADMIN.	243	PCB'S
			Generator #:	ON0393505	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	99,00,01		
GEN-5	RUSSEL BROTHERS	DIV. OF RT1 LEYLAND INC. 2202 THIRD AVE. E. OWEN SOUND N4K 5P7	3022	PLATE WORK INDUSTRY	145	PAINT/PIGMENT/COATING RESIDUES
			Generator #:	ON0218000	211	AROMATIC SOLVENTS
			Approval Yrs:	90,92,93,97	213	PETROLEUM DISTILLATES
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
GEN-6	RUSSEL BROTHERS	2202 THIRD AVENUE EAST OWEN SOUND N4K 2M6	3022	PLATE WORK INDUSTRY	145	PAINT/PIGMENT/COATING RESIDUES
			Generator #:	ON0218000	211	AROMATIC SOLVENTS
			Approval Yrs:	98,99,00,01	213	PETROLEUM DISTILLATES
					243	PCB'S
					252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-7	982435 (SEE & USE ON0393505)	2202-3RD AVENUE EAST OWEN SOUND N4K 2H4	3241	TRUCK & BUS BODY	243	PCB'S
			Generator #:	ON1924400		
			Approval Yrs:	96,97,98		
GEN-8	OWEN SOUND, CORPORATION OF THE CITY OF	2202 THIRD AVENUE EAST OWEN SOUND				
			Generator #:	ON0393505		
			Approval Yrs:	04		
GEN-9	982435 ONTARIO LTD.	2202-3RD AVENUE EAST OWEN SOUND N4K 2M6	3241	TRUCK & BUS BODY	243	PCB'S
			Generator #:	ON1924400		
			Approval Yrs:	94,95		
GEN-10	OWEN SOUND, CORPORATION OF THE CITY OF	2202 3RD AVENUE EAST OWEN SOUND	8373	ENVIRON. ADMIN.	243	PCB'S
			Generator #:	ON0393505	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	96,97,98		
GEN-11	MINISTRY OF THE ENVIRONMENT	2050 THIRD AVE. E. OWEN SOUND N4K 2M6	4999	OTHER UTILITY IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0199835	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	86,87,88,89,90		
GEN-12	Veolia Water Canada Incorporated	2050-3rd Avenue East Owen Sound N4K2M6	221320	Sewage Treatment Facilities	213	PETROLEUM DISTILLATES
			Generator #:	ON3452287	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	05		
GEN-13	Ontario Clean Water Agency	2050 Third Avenue East Owen Sound	221320	Sewage Treatment Facilities		
			Generator #:	ON3433302		
			Approval Yrs:	03,04		
GEN-14	ONTARIO CLEAN WATER AGENCY	2050 3RD AVENUE EAST OWEN SOUND N4K 2M6	4999	OTHER UTILITY IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON1808623	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	99,00,01	252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-15	ONTARIO CLEAN WATER AGENCY	2050 THIRD AVENUE EAST OWEN SOUND N4K 2M6	4999	OTHER UTILITY IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON1808623	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	94,95,96,97,98		
GEN-16	MINISTRY (SEE & USE ON1808623) 27-213	2050 THIRD AVE. E. OWEN SOUND N4K 2M6	4999	OTHER UTILITY IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0199835	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	92,93,94,95,96,97		
GEN-17	MINISTRY (SEE & USE ON1808623)	2050 THIRD AVENUE EAST OWEN SOUND N4K 2M6	4999	OTHER UTILITY IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0199835	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	98		

Mineral Occurrences

Map Key	Company	Address	Easting	Northing	Zone	MDI No	Deposit Status
MNR-1			505550.00	4936647.00	17	MDI41A10SW00002	PAST PRODUCING MINE WITHOUT RESERVES

Mining Division:
Geological District: SOUTHWESTERN ONTARIO
Claim Map:
Access Description: N/A

Year	Name	Twp/Area	Con/Lot/Sec	Commodity	Deposit Characteristic
1990	CONTINENTAL BRICK OWEN SOUND QUARRY				
1990	OWEN SOUND BRICK	SYDENHAM		SHALE (STRUCTURAL MATERIALS)	

National PCB Inventory

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-1	RUSSEL BROTHERS - A DIVISION OF PACCAR	P.O. BOX 427; 2202 3RD AVE. E. OWEN SOUND N4K 5P7	F0185				

State	Status	Item	Pcb Type/Code	Location

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-2	FORMER RUSSELL BROS. PLANT SITE	2202 3RD AVE. E. 3RD AVE. E. OWEN SOUND N4K 2M6	F0202				

State	Status	Item	Pcb Type/Code	Location
	In-Storage			

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-3	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427; 2202 3RD AVE. E. OWEN SOUND N4K 5P7	F0200	1/29/1996			

State	Status	Item	Pcb Type/Code	Location

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-4	FORMER RUSSELL BROS. PLANT Site	2202 3RD AVE. E. P. O. BOX 427 OWEN SOUND	F0199	30/12/1995		Undefined	Stored for Disposal

State	Status	Item	Pcb Type/Code	Location
Full	Stored for disposal	Barrel Mineral Oil	Mineral Oil/Unknown	
Full	Stored for disposal	Transformer	Mineral Oil/Unknown	

National Pollutant Release Inventory

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-1	Ontario Clean Water Agency	P. O. Box 760, Anglesia Street N 2050 Third Avenue; East Owen Sound N4K 2M6	10979	2003		

Air	Water	Land	Units	Substances Released
0.00	39.00	0.00	tonnes	Chlorine
0.00	0.13	0.00	tonnes	Phosphorus (total)

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-2	City of Owen Sound	2050 3rd Avenue East Owen Sound	10979	2004	-80.9428	44.5642

Air	Water	Land	Units	Substances Released
10.00			tonnes	Carbon monoxide
2.00			tonnes	Sulphur dioxide
	6.04		tonnes	Chlorine
	58.34	7.30	tonnes	Ammonia (Total)

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-3	City of Owen Sound	2050 3rd Avenue East Owen Sound	10979	2005	-80.9428	44.5642

Air	Water	Land	Units	Substances Released
0.80			tonnes	Carbon monoxide
0.01			tonnes	Sulphur dioxide
	2.41	9.27	tonnes	Phosphorus (yellow or white)
	5.98		tonnes	Chlorine
	55.23	5.75	tonnes	Ammonia (Total)

Inventory of PCB Storage Sites

Map Key	Company	Address	Year	Site Number	Quantity	Description
OPCB-1	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427 2202 3RD AVE. E. OWEN SOUND N4K 5P7	1998	10488AG12	12.00	Number of Capacitors with High Level PCBs (>1000 ppm)
					289.00	Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg
					1400.00	Weight of Liquid in Transformers with Low Level PCBs (< 1000 ppm) kg
					2.00	Number of Transformers with Low Level PCBs (< 1000 ppm) kg
					1.00	Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					150.00	Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
OPCB-2	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427 2202 3RD AVE. E. OWEN SOUND N4K 5P7	2003	10488AG12	2.00	Number of Transformers with Low Level PCBs (< 1000 ppm) kg
					289.00	Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg
					1400.00	Weight of Liquid in Transformers with Low Level PCBs (< 1000 ppm) kg
					1.00	Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					150.00	Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					12.00	Number of Capacitors with High Level PCBs (>1000 ppm)
OPCB-3	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427 2202 3RD AVE. E. OWEN SOUND N4K 5P7	2004	10488AG12	289	Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg
					1400	Weight of Liquid in Transformers with Low Level PCBs (< 1000 ppm) kg
					2	Number of Transformers with Low Level PCBs (< 1000 ppm) kg
					1	Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					150	Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					12	Number of Capacitors with High Level PCBs (>1000 ppm)

Inventory of PCB Storage Sites

Map Key	Company	Address	Year	Site Number	Quantity	Description
OPCB-4	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427 2202 3RD AVE. E. OWEN SOUND N4K 5P7	1995	10488AG12	1.00	Number of Drums of Ballasts with High Level PCBs (>1000 ppm)
					200.00	Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg
					12.00	Number of Capacitors with High Level PCBs (>1000 ppm)
					90.00	Weight of Capacitors with High Level PCBs (>1000 ppm) kg
					1520.00	Weight of Liquid in Transformers with Low Level PCBs (< 1000 ppm) kg
					2.00	Number of Transformers with Low Level PCBs (< 1000 ppm) kg
					1.00	Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					150.00	Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					2.00	Weight of Other Material Not in Drums with Low Level PCBs (< 1000 ppm) kg
OPCB-5	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427 2202 3RD AVE. E. OWEN SOUND N4K 5P7	2000	10488AG12	289.00	Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg
					1400.00	Weight of Liquid in Transformers with Low Level PCBs (< 1000 ppm) kg
					2.00	Number of Transformers with Low Level PCBs (< 1000 ppm) kg
					12.00	Number of Capacitors with High Level PCBs (>1000 ppm)
					1.00	Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					150.00	Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

Inventory of PCB Storage Sites

Map Key	Company	Address	Year	Site Number	Quantity	Description
OPCB-6	FORMER RUSSELL BROS. PLANT SITE	P.O. BOX 427 2202 3RD AVE. E. OWEN SOUND N4K 5P7	1999	10488AG12	12.00	Number of Capacitors with High Level PCBs (>1000 ppm)
					289.00	Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg
					1400.00	Weight of Liquid in Transformers with Low Level PCBs (< 1000 ppm) kg
					2.00	Number of Transformers with Low Level PCBs (< 1000 ppm) kg
					1.00	Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
					150.00	Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

Occurrence Reporting Information System

Map Key	Company	Address	Spill ID	Medium	Environmental Impact	Date of Occurrence	Nature of Impact
ORIS-1	RUSSEL BROTHERS	ELECTRICAL CAPACITATOR OWEN SOUND PLANT 2202 THIRD AVENUE EAST OWEN SOUND CITY	19351	LAND		//	
			Synopsis:		BACKENTRY - RUSSEL BROS. LTD. - SMALL AMOUNT OF CAPACITATOR OIL TO LAND.		
			Cause:		OTHER CONTAINER LEAK MATERIAL FAILURE		
ORIS-2	MOE	OWEN SOUND WPCP 2050 THIRD AVENUE EAST OWEN SOUND CITY	10948	LAND		10/27/1988	
			Synopsis:		MOE-500 L FERRIC CHLORIDETO GROUND AND CATCH BASIN		
			Cause:		PIPE/HOSE LEAK UNKNOWN		
ORIS-3	ONTARIO CLEAN WATER AGENCY	POTTAWATOMI RIVER OWEN SOUND WPCP 2050 THIRD AVENUE EAST OWEN SOUND CITY	124092	WATER	POSSIBLE	3/4/1996	Water course or lake
			Synopsis:		O.C.W.A.-RAW SEWAGE TO POTTAWATOMI RIVER DUE TO MECHANICAL FAILURE.		
			Cause:		WASTEWATER DISCHARGE TO WATERCOURSE EQUIPMENT FAILURE		
ORIS-4	MOE	PARAGON PUMPING STATION OWEN SOUND WPCP 2050 THIRD AVENUE EAST OWEN SOUND CITY	16194	WATER	NOT ANTICIPATED	3/23/1989	
			Synopsis:		MOE- RAW UNCHLORINATED SEWAGE TO SYDENHAM RIVER		
			Cause:		WASTEWATER DISCHARGE TO WATERCOURSE EQUIPMENT FAILURE		
n/a	AUTOMOTIVE REPAIR SHOP	HWY 6 & 20TH AVENUE. OWEN SOUND CITY	86312	LAND	CONFIRMED	//	Soil contamination
			Synopsis:		BACKENTRY, ARCHIE'S SER- VICE CENTRE- CONTAMINATEDSOIL FROM UNDERGRND TANKS		
			Cause:		UNDERGROUND TANK LEAK CORROSION		

Ontario Regulation 347 Waste Receivers Summary

Map Key	Company	Address	Receiver #:	Facility Type	Waste Code	Waste Description
REC-1	ONTARIO CLEAN WATER AGENCY	OWEN SOUND WASTE WATER TREATMENT PLANT 2050 THIRD AVENUE EAST OWEN SOUND N4K 2M6	W110551	WATER POLLUTION CONTROL PLANT		
			Approval Yrs:	98,99,00,01,02,03,04,05		

Appendix: Ontario Database Descriptions

EcoLog Environmental Risk Information Services Ltd can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update. **Note:** Databases denoted with "*" indicates that the database will no longer be updated. See the individual database descriptions for more information.

Federal Government Source Databases: **Diagram Identifier:**

Environmental Effects Monitoring 1992-2004 **EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Environmental Issues Inventory System 1992-2001 **EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Federal Convictions 1988-Jan 2002 **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Contaminated Sites on Federal Land June 2000-2005 **FCS**

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks 1964-Sept 2003 **FOFT**

Fisheries & Oceans Canada maintains an inventory of all aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Indian & Northern Affairs Fuel Tanks 1950-Aug 2003 **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

National Analysis of Trends in Emergencies System (NATES) 1974-1994* **NATE**

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

National Defence & Canadian Forces Fuel Tanks Up to May 2001 **NDFT**

The Department of National Defence and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. Please note that due to the September 2001 terrorist attack, new National Security protocols have prohibited any release of updates to this database.

National Defence & Canadian Forces Spills March 1999-Feb 2005 **NDSP**

The Department of National Defence and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

National Defence & Canadian Forces Waste Disposal Sites 2001, 2003 **NDWD**

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

National Environmental Emergencies System (NEES) 1974-2003 **NEES**

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for all previous Environment Canada spill datasets. NEES is composed of the historic datasets – or Trends – which dates from approximately 1974 to present. **NEES Trends** is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

National PCB Inventory 1988-June 2004 **NPCB**

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites.

National Pollutant Release Inventory 1993-2005 **NPRI**

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers of 178 specified substances.

Parks Canada Fuel Storage Tanks **1920-Jan 2005** **PCFT**

Canadian Heritage maintains an inventory of all known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Transport Canada Fuel Storage Tanks **1970- May 2003** **TCFT**

Within the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Provincial Government Source Databases:

Abandoned Aggregate Inventory **Up to Sept 2002** **AAGR**

The MAAP Program maintains a database of all abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.

Aggregate Inventory **Up to May 2005** **AGR**

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot\concession and city/town location. The databases provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mines Information System **1800- 2005** **AMIS**

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Certificates of Approval **1985-Sept 2002** **CA**

This database contains the following types of approvals: Certificates of Approval (Air) issued under Section 9 of the Ontario EPA; Certificates of Approval (Industrial Wastewater) issued under Section 53 of the Ontario Water Resources Act ("OWRA"); and Certificates of Approval (Municipal/Provincial Sewage and Waterworks) issued under Sections 52 and 53 of the OWRA.

Coal Gasification Plants **1987, 1988*** **COAL**

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

Compliance and Convictions **1989-2003** **CONV**

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Drill Holes 1886-2005 **DRL**

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Environmental Registry 1994-July 2003* **EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, licence, or certificate of approval to release substances into the air or water; these are notified on the registry.

Ontario Regulation 347 Waste Generators Summary 1986-2005 **GEN**

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Mineral Occurrences 1846-Oct 2004 **MNR**

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Non-Compliance Reports 1992(water only), 1994-2005 **NCPL**

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Ontario Oil and Gas Wells 1800-Oct 2006 **OOGW**

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. Information available for all wells in the ERIS database include well owner/operator, location, permit start date, well cap date, licence number, status, depth and the primary target (rock unit) of the well being drilled.

Ontario Inventory of PCB Storage Sites 1987-Oct 2004 **OPCB**

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Ministry Orders 1995-1996 **ORD**

Control Orders/Documents are enforcement actions issued by the Ministry of the Environment to deal with environmental violations. They clarify and allocate individual/joint liability when issuing clean-up orders for contaminated sites.

Occurrence Reporting Information System 1988-2002 **ORIS**

This database identifies sources, effects/actions and approximate locations of spills and occurrences within Ontario. The locations identified on the locator diagram refer to the facility responsible for the spill. The actual location of the spill can be derived from the descriptions provided in the detailed report.

Pesticide Register 1988-Oct 2006 **PES**

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

Private Fuel Storage Tanks 1989-1996* **PST**

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Ontario Regulation 347 Waste Receivers Summary 1986-2005 **REC**

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address. This information is a summary of all years from 1986 including the most currently available data.

Record of Site Condition 1997-Sept 2001 **RSC**

The Record of Site Condition (RSC) provides a summary of the final environmental condition of a site, once an environmental site assessment and/or restoration approach has been undertaken. The database provides information on the site restoration approach used (Background, Generic, Site Specific Risk Assessment), location of contaminated site, whether contamination extends past 1.5m from the surface thereby requiring "stratified restoration", soil type, and the date when RSC was submitted/acknowledged/ responded to by the Ministry of the Environment. A site restoration approach involves the use of soil and groundwater quality criteria, which have been developed to provide protection against adverse effects to human/ecological health and the natural environment. These criteria may be applied to agricultural, residential/parkland, industrial/commercial land uses; as well as potable (source of drinking water) and nonpotable groundwater use.

Wastewater Discharger Registration Database 1990-1998 **SRDS**

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Waste Disposal Sites - MOE CA Inventory 1970-Sept 2002 **WDS**

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory **Up to Oct 1990*** **WDSH**

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Water Well Information System **1955-2005** **WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Geographic coordinates are reliable according to the given percentage. Wells that are identified with lot and concession only are available upon request and would be provided as a separate report.

Private Source Databases:

Anderson's Waste Disposal Sites **1930-2004** **ANDR**

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the *Ontario MOE Waste Disposal Site Inventory*, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. *Please note that the data is not warranted to be complete, exhaustive or authoritive. The information was collected for research purposes only.*

Automobile Wrecking & Supplies **2001-Feb 2007** **AUWR**

This database provides an inventory of all known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Commercial Fuel Oil Tanks **1948-Sept 2006** **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with TSSA. This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Chemical Register **1992, 1999-Feb 2007** **CHEM**

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

ERIS Historical Searches **1999-2006** **EHS**

EcoLog ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Canadian Mine Locations **1998-2005** **MINE**

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Oil and Gas Wells **Oct 2001-2006** **OGW**

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Canadian Pulp and Paper **1999, 2002, 2004, 2005** **PAP**

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Retail Fuel Storage Tanks **1989-Feb 2007** **RST**

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of licensed retail fuel outlets. The MCCR no longer collects this information. Current information is now collected from private sources. This database includes an inventory of retail fuel outlet locations that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Scott's Manufacturing Directory **1992-Jan 2007** **SCT**

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

Anderson's Storage Tanks **1915-1953*** **TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. *Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.*

GROUND WATER CHEMICAL ANALYSIS - VOCs

Table 8

2202 3rd Avenue East Owen Sound, Ontario

Sample ID		TH8	TH9	TH1D	MW4	MW5	MW6	MW7	MW10	MW11	MW101	MW103	MW104	MW107	MW109	Ontario Reg 153/04
Consultant		Barenco	Barenco	Barenco	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Table 3 Ground Water Standards
Maxxam ID		P15906	P15907	P15908	U25695	U25696	U25697	U25698	U25726	U25699	U25727	U25700	U25701	U25702	U25730	
Sample Date	RDL*	26-Oct-06	26-Oct-06	26-Oct-06	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	**
Acetone (2-Propanone)	<10	ND	24	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3300
Benzene	<0.1	0.1	0.3	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000
Bromodichloromethane	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Bromoform	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5200
Bromomethane	<0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16
Carbon Tetrachloride	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Chlorobenzene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	D.2	ND	500
Chloroform	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2700
Dibromochloromethane	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
1,2-Dichlorobenzene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7600
1,3-Dichlorobenzene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7600
1,4-Dichlorobenzene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7600
1,1-Dichloroethane	<0.1	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	0.1	ND	ND	0.9	50000
1,2-Dichloroethane	<0.1	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110
1,1-Dichloroethylene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1
cis-1,2-Dichloroethylene	<0.1	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	D.4	ND	ND	ND	70
trans-1,2-Dichloroethylene	<0.1	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
1,2-Dichloropropane	<D.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58
cis-1,3-Dichloropropene	<D.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24
trans-1,3-Dichloropropene	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24
Ethylbenzene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Ethylene Dibromide (1,2-Dibromoethane)	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21
Methylene Chloride (Dichloromethane)	<D.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Methyl Isobutyl Ketone (MIBK)	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Methyl Ethyl Ketone (2-Butanone)	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Methyl-t-Butyl Ether (MTBE)	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Styrene	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5900
1,1,1,2-Tetrachloroethane	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38
1,1,2,2-Tetrachloroethane	<0.2	(<0.1) ND	(<D.1) ND	(<D.1) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140
Tetrachloroethylene (Perchloroethylene)	<0.1	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Toluene	<0.2	ND	6.7	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37000
1,1,1-Trichloroethane	<0.1	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
1,1,2-Trichloroethane	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50000
Trichloroethylene (Trichloroethene)	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	50
Vinyl Chloride	<0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Xylenes (Total)	<0.1	ND	D.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35000

Analysis by Maxxam Analytics Inc

All results in ppb (ug/l). ND means "not detected" at reporting detection limit (RDL)

* Analytical RDLs are shown except as indicated in brackets

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils and a non-potable ground water condition

Exceedances of the MOE Table 3 standards are shown in **bold**

BARENCO INC.

06043

GROUND WATER CHEMICAL ANALYSIS - PAHs

Table 9

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID		MW4	MW5	MW6	MW7	MW11	MW101	MW101	MW103	MW104	MW107	MW109	MW109	TH8	TH9	TH10	Ontario Reg 153/04 Table 3 Ground Water Standards**
Consultant		CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Rubicon	Barenco	Barenco	Barenco	
Maxxam ID		U25695	U25696	U25697	U25698	U25699	M08374	P15909	U25700	U25701	U25702	M08375	P15910	U25703	U25704	U25705	
Sample Date	RDL*	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	16-May-06	25-Oct-06	22-Aug-07	22-Aug-07	22-Aug-07	16-May-06	25-Oct-06	22-Aug-07	22-Aug-07	22-Aug-07	
Acenaphthene	0.05	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.06	ND	ND	ND	ND	ND	1700
Acenaphthylene	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2000
Anthracene	0.05	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
Benzo(a)anthracene	0.05	ND	0.06	ND	0.05	ND	**10**	ND	0.08	ND	ND	ND	ND	0.2	0.07	ND	5
Benzo(a)pyrene	0.01	ND	0.02	ND	0.03	0.01	**20**	ND	0.04	0.01	ND	0.02	ND	0.2	0.02	0.01	1.9
Benzo(b/j)fluoranthene	0.05	ND	ND	ND	0.06	ND	**20**	ND	0.07	ND	ND	ND	ND	0.3	ND	ND	7
Benzo(g,h,i)perylene	0.1	ND	ND	ND	ND	ND	**20**	ND	ND	ND	ND	0.2	ND	0.1	ND	ND	0.2
Benzo(k)fluoranthene	0.05	ND	ND	ND	ND	ND	**7**	ND	ND	ND	ND	ND	ND	0.08	ND	ND	0.4
Chrysene	0.05	ND	ND	ND	ND	ND	**10**	ND	ND	ND	ND	ND	ND	0.1	ND	ND	3
Dibenzo(a,h)anthracene	0.1	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25
Fluoranthene	0.05	ND	ND	ND	0.1	0.06	10	ND	0.08	ND	ND	0.3	ND	0.2	0.1	ND	130
Fluorene	0.05	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	0.06	ND	ND	290
Indeno(1,2,3-cd)pyrne	0.1	ND	ND	ND	ND	ND	**10**	ND	ND	ND	ND	ND	ND	0.1	ND	ND	0.27
1-Methylnaphthalene	0.05	ND	0.05	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	13000
2-Methylnepthalene	0.05	ND	0.07	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	13000
Naphthalene	0.05	ND	0.08	ND	ND	ND	0.3	ND	ND	ND	0.07	0.05	ND	ND	ND	ND	6200
Phenantherene	0.05	ND	0.08	ND	0.09	0.08	4	ND	ND	ND	ND	0.2	ND	0.08	0.08	ND	63
Pyrene	0.05	ND	ND	ND	0.09	0.06	10	ND	0.08	ND	ND	0.3	ND	0.3	0.09	ND	40

Analysis by Maxxam Analytics Inc

All results in ppb (ug/l) ND means "not detected" at reporting detection limit (RDL)

* Analytical RDLs are shown except as indicated in brackets

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils and a non-potable ground water condition

Exceedances of the MOE Table 3 standards are shown in **bold**

BARENCO INC.

GROUND WATER CHEMICAL ANALYSIS - Metals

Table 10

2202 3rd Avenue East, Owen Sound, Ontario

Sample ID		TH8	TH9	TH10	MW4	MW5	MW6	MW7	MW11	MW101	MW101	MW103	MW104	MW107	MW109	Reg 153/04 Table 3 Ground Water Standards **
Consultant		Barenco	Barenco	Barenco	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	CH2M Gore & Storrie	Rubicon	Rubicon	Rubicon	Rubicon	TH8	Rubicon	
Maxxam ID		P15906	P15907	P15908	U66998	U25696	U25697	U25698	U25699	M08374	U66995	U25700	U25701	U25702	M08375	
Sample Date	RDL*	26-Oct-06	26-Oct-06	26-Oct-06	13-Sep-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	16-May-06	13-Sep-07	22-Aug-07	22-Aug-07	22-Aug-07	22-Aug-07	
Antimony (Sb)	0.5	(<1) ND	(<1) ND	(<1) ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	16000
Arsenic (As)	1	ND	2	ND	1	ND	ND	1	2	NA	NA	NA	2	ND	28	NA	460
Barium (Ba)	5	99	310	120	69	24	140	66	190	NA	NA	NA	93	150	64	NA	23000
Beryllium (Be)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	53
Boron (B)	10	140	490	220	270	55	200	140	590	320	NA	NA	610	490	130	1200	50000
Cadmium (Cd)	0.1	0.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	11
Chromium (Cr)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	2000
Cobalt (Co)	0.5	3.1	18	3.6	1.1	ND	ND	ND	0.6	1.4	ND	ND	0.9	ND	ND	ND	100
Copper (Cu)	1	3	1	ND	ND	3	5	ND	3	6	ND	4	2	1	1	1	23
Lead (Pb)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	32
Molybdenum (Mo)	1	1	3	4	ND	ND	ND	ND	ND	NA	NA	ND	3	ND	NA	NA	7300
Nickel (Ni)	1	3	4	1	ND	ND	ND	ND	ND	NA	NA	ND	4	ND	NA	NA	1600
Selenium (Se)	2	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	50
Silver (Ag)	0.1	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	1.2
Thallium (Tl)	0.05	ND	ND	ND	(<0.1) ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	400
Vanadium (V)	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	3	NA	200
Zinc (Zn)	5	860	45	ND	ND	13	35	ND	16	NA	NA	NA	16	20	13	NA	1100

Analysis by Maxxam Analytics Inc

All results in ppb (ug/l) ND means "not detected" at reporting detection limit (RDL)

* Analytical RDLs are shown except as indicated in brackets

** Standards shown are for Residential/Parkland/Institutional land use and fine/medium textured soils and a non-potable ground water condition

Exceedances of the MOE Table 3 standards are shown in **bold**

BARENCO INC.

APPENDIX F

Qualifications of Assessors

BARENCO

Jim Phimister, P.Eng., P.Geo. (Principal, Hydrogeologist)

Jim Phimister is a hydrogeologist and Professional Engineer with over 35 years experience in environmental assessment and remediation. Mr. Phimister was employed as a contaminant hydrogeologist by Provincial Governments in Ontario and Manitoba and has worked as a consultant to industry and government in all the provinces and territories of Canada. To date, Mr. Phimister has conducted over 4,000 environmental assessments or remediations. Mr. Phimister is a founding principal of Barenco Inc., a firm that provides environmental engineering and site remediation services.

Carolyn Singer, B.Sc. (Hons.), A.Ag. (Environmental Scientist)

Carolyn Singer obtained an Honours degree in Environmental Science at Queen's University in 2000. Ms. Singer has managed environmental assessment projects through the proposal, implementation and reporting phases. She has conducted numerous Phase I and II environmental assessment programs at industrial, commercial, institutional and residential properties.

APPENDIX G

Test Hole Logs

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH1**	SHEET# ONE of ONE
TECHNICIAN CSI	**DRILL DATE: October 23, 2006**	WEATHER: 0 C, Rain

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON

UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	04/02/01 for 18"	25 PPM	60%	BTEX-F1toF4-Other			ASPHALT : Cobbles and asphalt to 0.1m	0.1	
								SANDY SILT : Fill, brown, some gravel and cobbles, black staining, no odour, damp		
						0.6		SILTY CLAY : Brown, trace sand, wet	0.5 0.6	
						0.8		: no recovery		
2	SS	08/07/05/04	NM	0%		1			1	
						1.4			1.4	
						1.5		SILTY CLAY : Brown, very soft, wet		
3	SS	0 (2')	ND	100%		2			2	
						2.1				
						2.3				
4	SS	00/00/00/01	ND	100%						
						2.9				
						3.0	3		3	
5	SS	0 (2')	ND	100%						
						3.7			3.7	
						4		3.66 m - END OF TEST HOLE	4	

LEGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH2**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 23, 2006	WEATHER: 0 C, Rain

EQUIPMENT: CME 75	**SITE:** Russel Bros Property
TOP OF GROUND ELEVATION: NA	**ADDRESS:** 3rd Avenue East, Owen Sound ON
TOP OF MONITOR ELEVATION: NA	
GROUND WATER DEPTH: ▼ NA (Date NA)	**UTM:** **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	04/03/03 for 18"	ND	25%				ASPHALT :		
								GRAVELY SAND : Fill, light brown, some cobbles, damp	0.1	
						0.6			0.6	
						0.8		SANDY SILT : Fill from 0.6 to 2.1m, brown to 1.2m, grey with black staining from 1.2 to 2.9m, some cobbles, trace brick and black ash, loose from 2.1 to 2.9m, damp to wet		
2	SS	03/06/05/03	ND	60%	BTEX-F1toF4-Other	1			1	
						1.4				
						1.5				
3	SS	08/06/07/08	25 PPM	100%	BTEX-F1toF4-PAHs	2			2	
						2.1				
						2.3				
4	SS	0 (2')	ND	100%						
						2.9			2.9	
						3			3	
						4		2.9 m - END OF TEST HOLE	4	

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH3**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 23, 2006	WEATHER: 0 C, Rain

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	03/04/03/01	ND	60%	pH-Other			TOPSOIL : Brown, plant roots, some cobbles, damp	0.1	
								SAND : Fill, black, rust coloured mottling, asphalt fragments, damp		
						0.6			0.6	
						0.8		SANDY SILT : Brown to 1.2m, grey, top 0.08m black staining, damp to wet		
2	SS	03/02/01/02	25 PPM	60%	BTEX-F1toF4	1			1	
						1.4				
						1.5				
3*	SS	02/00/00/01	ND	100%	Other	2			2	
						2.1				
						2.3				
4	SS	0 (2')	ND	100%						
						2.9			2.9	
						3			3	
						4		2.9 m - END OF TEST HOLE	4	

NOTE: [SAMPLE #3] GRAIN SIZE ANALYSIS SAMPLE TAKEN

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH4**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 23, 2006	WEATHER: 0 C, Rain

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: Northing 493 71 23 Easting 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	06/03/02/01	NM	20%	pH	0.6		SAND+GRAVEL : Fill, black, top 0.05m brick fragments	0.1	
						0.8		SANDY SILT : Fill, brown, some clay, trace asphalt fragments from 0.8m to 1.4m, bottom 2" black sand and gravel, damp		
2	SS	01/01/01/01	ND	20%		1			1	
						1.4			1.4	
						1.5		SAND+GRAVEL : Fill, grey, red brick fragments, some cobbles, damp		
3*	SS	11/12/21/11	NM	10%	BTEX-F1toF4	2			2	
						2.1			2.1	
						2.3		SANDY SILT : Fill from 2.1 to 2.6m, brown, some brick fragments, very stiff to firm, grey mottling from 3.1 to 3.7m, wet		
4	SS	10/12/14/11	ND	10%		2.9				
						3.0	3		3	
5	SS	04/03/04/04	ND	100%		3.7			3.7	
						4		3.66 m - END OF TEST HOLE	4	

NOTE: [SAMPLE #3] LIMITED SAMPLE

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH5**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 24, 2006	WEATHER: -1 C, Snow

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)
1	SS	03/04/09/05	ND	50%	pH	0.6
2	SS	03/04/03/02	ND	60%	BTEX-F1toF4	1.4
3	SS	01/01/02/03	ND	50%		2.1
4	SS	0 (2')	ND	90%	GrnSize-Other	2.9

STRATAPLOT

DESCRIPTION OF STRATIGRAPHY	DEPTH (M)
SAND+GRAVEL : Brown, some plant roots, damp	0.1
SILTY CLAY : Fill, grey, trace organics, damp	0.3
SANDY SILT : Fill, brown with some grey mottling, trace to some sand and gravel, some wood at 0.6m, damp to wet	2.9
2.9 m - END OF TEST HOLE	

MONITOR

LEGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH6**	SHEET# ONE of ONE
TECHNICIAN CSI	**DRILL DATE: October 24, 2006**	WEATHER: -1 C, Snow

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	08/09/05/04	NM	5%		0.6		COBBLES : Fill, grey, some sand, wet	0.6	
						0.8		SANDY SILT : Fill to 1.4m, brown to 1.4m, grey, trace gravel from 0.6 to 1.4m, black sand layers from 1.4 to 2.1m, wet		
2	SS	03/03/04/04	NM	0%		1			1	
						1.4				
3	SS	0 (2')	ND	100%	BTEX-F1toF4	1.5				
						2			2	
						2.1				
4	SS	0 (2')	ND	100%	GrnSize-Other	2.3				
						2.9			2.9	
						3			3	
						4		2.9 m - END OF TEST HOLE	4	

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH7**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 24, 2006	WEATHER: -1 C, Snow

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	03/04/05/03	ND	30%	pH	0.6		SANDY SILT : Brown, some cobbles, wet	0.6	
2	SS	02/02/01/01	ND	50%	GrnSize-Other	0.8		SILTY SAND : Reddish brown to 1.45m, black to 1.6m, light brown to 2.1m, trace sand, gravel and cobbles, damp - wet		
						1			1	
						1.4				
3	SS	0 (2')	ND	75%	BTEX-F1toF4-PAHs	1.5				
						2			2	
						2.1		SANDY SILT : Grey, soft, wet	2.1	
4	SS	0 (2')	ND	100%		2.3				
						2.9			2.9	
						3			3	
						4		2.9 m - END OF TEST HOLE	4	

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH8**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 24, 2006	WEATHER: -1 C, Snow

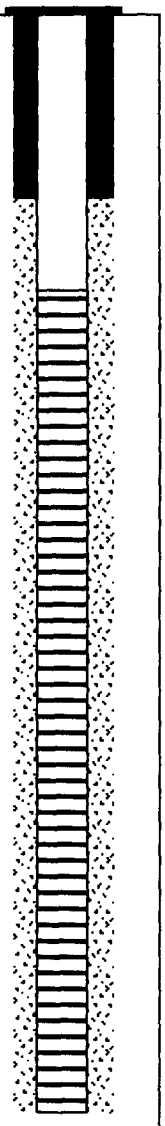
EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON

UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)
1	SS	05/07/06/10	ND	40%	pH-Other	0.6	SANDY SILT : Fill, brown, some organics, trace cobbles, damp	0.6
						0.8	SAND+GRAVEL : Fill, wet	
2	SS	07/07/03/02	ND	25%	VOCs	1		1.1 1
						1.4	SANDY SILT : Brown, wet	1.4
3	SS	0 (2')	ND	100%	Metals	1.5	SILTY CLAY : Brown, trace sand and gravel, wet	
						2		2
						2.1		2.1
4	SS	0 (2')	ND	100%		2.3	SANDY SILT : Brown, grey sand lens at 2.9m, wet	
						2.9		
5	SS	0 (2')	ND	100%	GrnSize-Other	3.0 3		3
						3.7		3.7
						4		4
							3.66 m - END OF TEST HOLE	

MONITOR



EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH9**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 24, 2006	WEATHER: -1 C, Snow

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)	STRATAPLOT	DESCRIPTION OF STRATIGRAPHY	DEPTH (M)	MONITOR
1	SS	05/15/13/06	NM	30%	pH-VOCs-Other	0.6		CLAY : Black, trace glass fragments, sand, gravel and cobbles, damp	0.6	
2	SS	08/04/08/06	ND	90%	Metals	0.8		SANDY SILT : Fill, brown, trace cobbles from to 1.4m, lens of grey sand and organics at 1.5m, trace glass and wood fragments from 2.1 to 2.9m, damp - wet		
						1.4				
3	SS	02/01/03/00	ND	100%		1.5				
						2.1				
4	SS	0 (2')	ND			2.3				
						2.9		GRAVELY COBBLES : bottom 0.05m shale	2.9	
5	SS	0 (2')	ND	30%		3.0				
						3.7		3.66 m - END OF TEST HOLE	3.7	

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

PROJECT # 06043	**TEST HOLE LOG TH10**	SHEET# ONE of ONE
TECHNICIAN CSI	DRILL DATE: October 24, 2006	WEATHER: -1 C, Snow

EQUIPMENT: CME 75
TOP OF GROUND ELEVATION: NA
TOP OF MONITOR ELEVATION: NA
GROUND WATER DEPTH: ▼ NA (Date NA)

SITE: Russel Bros Property
ADDRESS: 3rd Avenue East, Owen Sound ON
UTM: **Northing** 493 71 23 **Easting** 50 55 47

SAMPLE #	TYPE	BLOW COUNT (Blows per ft)	VAPOUR READING	RECOVERY %	ANALYSIS REQUESTED	DEPTH (M)
1	SS	02/02/02/04	ND	60%	pH-VOCs-Other	0.6
2	SS	02/02/02/02	ND	60%	Metals	0.8
3	SS	0 (2')	ND	100%		1.4
4	SS	04/03/01/01	ND	100%		1.5
5	SS	00/02/03/04	ND		GrnSize	2.1
						2.3
						2.9
						3.0
						3.7

STRATAPLOT

DESCRIPTION OF STRATIGRAPHY

SANDY SILT : Fill, brown, black mottling, thin lenses of grey/black sand from 1.4 to 2.1m, trace wood fragments and cobbles, trace organics from 2.1 to 2.9m, damp

SAND : Grey, coarse, wet

3.66 m - END OF TEST HOLE

DEPTH (M): 1, 2, 3, 4

MONITOR

EGEND: AU = Auger Sample SS = Split Spoon GR = Grab Sample
ND = non detect NM = not measured due to insufficient sample volume

BARENCO

APPENDIX H

Laboratory Certificates of Analysis

Attached are copies of the original Certificates of Analysis provided by the laboratory. The data contained in these analyses is to be read only in conjunction with the report to which it is attached. For interpretation of the chemical data, see the attached text.

All samples are submitted to and reported by the laboratory using purchase order numbers and sample location codes. These are only discernible to persons familiar with the purchase order system and the location codes. For descriptions of the locations of the samples, see the attached text.

Not all data contained in the original laboratory certificate of analysis may have been referenced in the report. Samples may have been submitted as travel or field blanks or as duplicates. Some samples may be for control purposes and represent soil that is no longer on the site and is not relevant to the report.

Since the laboratory data contains scientific terms and references, only trained persons familiar with sampling and laboratory methods should attempt to interpret the raw data.

BARENCO

Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00540715

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2008/01/04

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7C4150
Received: 2007/11/08, 14:36

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Petroleum Hydro. CCME F1 & BTEX in Soil	1	2007/11/08	2007/11/08	CAM SOP-00315	CCME CWS
Petroleum Hydrocarbons F2-F4 in Soil	1	2007/11/08	2007/11/08	CAM SOP-00316	CCME CWS
MOISTURE	1	N/A	2007/11/08	Ont SOP-0114	MOE HANDBOOK(1983)

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7C4150
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		V75573		
Sampling Date		2007/11/07		
COC Number		00540715		
	Units	**TP-114A**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	20	0.2	1401612

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7C4150
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID		V75573		
Sampling Date		2007/11/07		
COC Number		00540715		
	Units	**TP-114A**	**RDL**	**QC Batch**
F1 PHC and BTEX				
F1 (C6-C10)	ug/g	ND	10	1401558
F1 (C6-C10) - BTEX	ug/g	ND	10	1401558
F2-F4 PHC				
F2 (C10-C16 Hydrocarbons)	ug/g	ND	10	1401559
F3 (C16-C34 Hydrocarbons)	ug/g	130	10	1401559
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	102		1401558
4-Bromofluorobenzene	%	96		1401558
D10-Ethylbenzene	%	103		1401558
D4-1,2-Dichloroethane	%	98		1401558
o-Terphenyl	%	70		1401559

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7C4150
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7C4150

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1401558	DTI	MATRIX SPIKE	1,4-Difluorobenzene	2007/11/08		106	%	60 - 140
			4-Bromofluorobenzene	2007/11/08		98	%	60 - 140
			D10-Ethylbenzene	2007/11/08		111	%	30 - 130
			D4-1,2-Dichloroethane	2007/11/08		101	%	60 - 140
			F1 (C6-C10)	2007/11/08		100	%	60 - 140
		Spiked Blank	1,4-Difluorobenzene	2007/11/08		103	%	60 - 140
			4-Bromofluorobenzene	2007/11/08		98	%	60 - 140
			D10-Ethylbenzene	2007/11/08		108	%	30 - 130
			D4-1,2-Dichloroethane	2007/11/08		100	%	60 - 140
			F1 (C6-C10)	2007/11/08		92	%	60 - 140
		Method Blank	1,4-Difluorobenzene	2007/11/08		105	%	60 - 140
			4-Bromofluorobenzene	2007/11/08		99	%	60 - 140
			D10-Ethylbenzene	2007/11/08		101	%	30 - 130
			D4-1,2-Dichloroethane	2007/11/08		101	%	60 - 140
			F1 (C6-C10)	2007/11/08	ND, RDL=10		ug/g	
			F1 (C6-C10) - BTEX	2007/11/08	ND, RDL=10		ug/g	
		RPD	F1 (C6-C10)	2007/11/08	NC		%	50
			F1 (C6-C10) - BTEX	2007/11/08	NC		%	50
1401559	LSY	MATRIX SPIKE	o-Terphenyl	2007/11/08		85	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/11/08		93	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2007/11/08		93	%	60 - 130
		Spiked Blank	o-Terphenyl	2007/11/08		69	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/11/08		74	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2007/11/08		74	%	60 - 130
		Method Blank	o-Terphenyl	2007/11/08		68	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/11/08	ND, RDL=10		ug/g	
			F3 (C16-C34 Hydrocarbons)	2007/11/08	ND, RDL=10		ug/g	
		RPD	F2 (C10-C16 Hydrocarbons)	2007/11/08	NC		%	50
			F3 (C16-C34 Hydrocarbons)	2007/11/08	NC		%	50
1401612	VPA	RPD	Moisture	2007/11/08	3.4		%	50

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

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Validation Signature Page

Maxxam Job #: A7C4150

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

CHRISTINA NERVO, Scientific Services

MEDHAT RISKALLAH, Manager, Hydrocarbon Department

SUZANA POPOVIC, Supervisor, Hydrocarbons

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND,2202-3RD AVE EAST
Your C.O.C. #: 43134

Attention: Vinod Kella
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2008/01/04

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A790950
Received: 2007/08/23, 16:36

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Low level Benzo(a)pyrene by GC/MS (SIM)	1	2007/08/27	2007/08/27	EPA 8270	GC/MS
Dissolved Metals by ICPMS	1	N/A	2007/08/30	CAM SOP-00447	EPA 6020
PAH Compounds in Water by GC/MS (SIM)	1	2007/08/27	2007/08/27	SOP - 00318	EPA 8270
Volatile Organic Compounds in Water	4	N/A	2007/08/28	CAM SOP-00226	EPA 8260 modified

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A790950
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		U25729		
Sampling Date		2007/08/22		
COC Number		43134		
	Units	**MW 108**	**RDL**	**QC Batch**
METALS				
Dissolved Antimony (Sb)	ug/L	ND	0.5	1346298
Dissolved Arsenic (As)	ug/L	2	1	1346298
Dissolved Barium (Ba)	ug/L	220	5	1346298
Dissolved Beryllium (Be)	ug/L	ND	0.5	1346298
Dissolved Boron (B)	ug/L	1800	10	1346298
Dissolved Cadmium (Cd)	ug/L	ND	0.1	1346298
Dissolved Chromium (Cr)	ug/L	ND	5	1346298
Dissolved Cobalt (Co)	ug/L	ND	0.5	1346298
Dissolved Copper (Cu)	ug/L	ND	1	1346298
Dissolved Lead (Pb)	ug/L	0.9	0.5	1346298
Dissolved Molybdenum (Mo)	ug/L	ND	1	1346298
Dissolved Nickel (Ni)	ug/L	ND	1	1346298
Dissolved Selenium (Se)	ug/L	ND	2	1346298
Dissolved Silver (Ag)	ug/L	ND	0.1	1346298
Dissolved Sodium (Na)	ug/L	48000	100	1346298
Dissolved Thallium (Tl)	ug/L	ND	0.05	1346298
Dissolved Vanadium (V)	ug/L	1	1	1346298
Dissolved Zinc (Zn)	ug/L	14	5	1346298

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790950
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		U25729		
Sampling Date		2007/08/22		
COC Number		43134		
	Units	**MW 108**	**RDL**	**QC Batch**
PAHs				
Acenaphthene	ug/L	ND	0.05	1343457
Acenaphthylene	ug/L	ND	0.05	1343457
Anthracene	ug/L	0.07	0.05	1343457
Benzo(a)anthracene	ug/L	0.35	0.05	1343457
Benzo(a)pyrene	ug/L	0.28	0.005	1343486
Benzo(b/j)fluoranthene	ug/L	0.40	0.05	1343457
Benzo(g,h,i)perylene	ug/L	0.2	0.1	1343457
Benzo(k)fluoranthene	ug/L	0.13	0.05	1343457
Chrysene	ug/L	0.26	0.05	1343457
Dibenz(a,h)anthracene	ug/L	ND	0.1	1343457
Fluoranthene	ug/L	0.64	0.05	1343457
Fluorene	ug/L	ND	0.05	1343457
Indeno(1,2,3-cd)pyrene	ug/L	0.2	0.1	1343457
1-Methylnaphthalene	ug/L	ND	0.05	1343457
2-Methylnaphthalene	ug/L	ND	0.05	1343457
Naphthalene	ug/L	0.05	0.05	1343457
Phenanthrene	ug/L	0.40	0.05	1343457
Pyrene	ug/L	0.57	0.05	1343457
Surrogate Recovery (%)				
D10-Anthracene	%	77		1343457
D14-Terphenyl (FS)	%	83		1343486
D7-Quinoline	%	86		1343457
D8-Acenaphthylene	%	75		1343486

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A790950
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25726	U25727	U25729	U25730		
Sampling Date		2007/08/22	2007/08/22	2007/08/22	2007/08/22		
COC Number		43134	43134	43134	43134		
	Units	**MW 10**	**MW 101**	**MW 108**	**MW 109**	**RDL**	**QC Batch**
VOLATILES							
Acetone (2-Propanone)	ug/L	ND	ND	ND	ND	10	1342800
Benzene	ug/L	ND	ND	ND	ND	0.1	1342800
Bromodichloromethane	ug/L	ND	ND	ND	ND	0.1	1342800
Bromoform	ug/L	ND	ND	ND	ND	0.2	1342800
Bromomethane	ug/L	ND	ND	ND	ND	0.5	1342800
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	0.1	1342800
Chlorobenzene	ug/L	ND	ND	ND	ND	0.1	1342800
Chloroform	ug/L	ND	ND	ND	ND	0.1	1342800
Dibromochloromethane	ug/L	ND	ND	ND	ND	0.2	1342800
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	0.2	1342800
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	0.2	1342800
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	0.2	1342800
1,1-Dichloroethane	ug/L	ND	ND	ND	0.9	0.1	1342800
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	0.1	1342800
1,1-Dichloroethylene	ug/L	ND	ND	ND	ND	0.1	1342800
cis-1,2-Dichloroethylene	ug/L	ND	ND	ND	ND	0.1	1342800
trans-1,2-Dichloroethylene	ug/L	ND	ND	ND	ND	0.1	1342800
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	0.1	1342800
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	0.2	1342800
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	0.2	1342800
Ethylbenzene	ug/L	ND	ND	ND	ND	0.1	1342800
Ethylene Dibromide	ug/L	ND	ND	ND	ND	0.2	1342800
Methylene Chloride(Dichloromethane)	ug/L	ND	ND	ND	ND	0.5	1342800
Methyl Isobutyl Ketone	ug/L	ND	ND	ND	ND	5	1342800
Methyl Ethyl Ketone (2-Butanone)	ug/L	ND	ND	ND	ND	5	1342800
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	ND	ND	0.2	1342800
Styrene	ug/L	ND	ND	ND	ND	0.1	1342800
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	0.1	1342800
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	0.2	1342800
Tetrachloroethylene	ug/L	ND	ND	ND	ND	0.1	1342800
Toluene	ug/L	ND	ND	ND	ND	0.2	1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A790950
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25726	U25727	U25729	U25730		
Sampling Date		2007/08/22	2007/08/22	2007/08/22	2007/08/22		
COC Number		43134	43134	43134	43134		
	Units	**MW 10**	**MW 101**	**MW 108**	**MW 109**	**RDL**	**QC Batch**
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	0.1	1342800
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	0.2	1342800
Trichloroethylene	ug/L	ND	ND	ND	ND	0.1	1342800
Vinyl Chloride	ug/L	ND	ND	ND	ND	0.2	1342800
p+m-Xylene	ug/L	ND	ND	ND	ND	0.1	1342800
o-Xylene	ug/L	ND	ND	ND	ND	0.1	1342800
Xylene (Total)	ug/L	ND	ND	ND	ND	0.1	1342800
Surrogate Recovery (%)							
4-Bromofluorobenzene	%	80	80	81	80		1342800
D4-1,2-Dichloroethane	%	110	112	114	111		1342800
D8-Toluene	%	100	99	99	102		1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A790950
Report Date: 2008/01/04

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST

Quality Assurance Report

Maxxam Job Number: MA790950

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1342800	AAD	MATRIX SPIKE	4-Bromofluorobenzene	2007/08/28		93	%	70 - 130
			D4-1,2-Dichloroethane	2007/08/28		104	%	70 - 130
			D8-Toluene	2007/08/28		101	%	70 - 130
			Acetone (2-Propanone)	2007/08/28		102	%	60 - 140
			Benzene	2007/08/28		90	%	70 - 130
			Bromodichloromethane	2007/08/28		111	%	70 - 130
			Bromoform	2007/08/28		98	%	70 - 130
			Bromomethane	2007/08/28		85	%	60 - 140
			Carbon Tetrachloride	2007/08/28		94	%	70 - 130
			Chlorobenzene	2007/08/28		103	%	70 - 130
			Chloroform	2007/08/28		99	%	70 - 130
			Dibromochloromethane	2007/08/28		122	%	70 - 130
			1,2-Dichlorobenzene	2007/08/28		101	%	70 - 130
			1,3-Dichlorobenzene	2007/08/28		103	%	70 - 130
			1,4-Dichlorobenzene	2007/08/28		110	%	70 - 130
			1,1-Dichloroethane	2007/08/28		92	%	70 - 130
			1,2-Dichloroethane	2007/08/28		95	%	70 - 130
			1,1-Dichloroethylene	2007/08/28		88	%	70 - 130
			cis-1,2-Dichloroethylene	2007/08/28		98	%	70 - 130
			trans-1,2-Dichloroethylene	2007/08/28		88	%	70 - 130
			1,2-Dichloropropane	2007/08/28		115	%	70 - 130
			cis-1,3-Dichloropropene	2007/08/28		93	%	70 - 130
			trans-1,3-Dichloropropene	2007/08/28		99	%	70 - 130
			Ethylbenzene	2007/08/28		109	%	70 - 130
			Ethylene Dibromide	2007/08/28		114	%	70 - 130
			Methylene Chloride(Dichloromethane)	2007/08/28		91	%	70 - 130
			Methyl Isobutyl Ketone	2007/08/28		131	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28		120	%	60 - 140
			Methyl t-butyl ether (MTBE)	2007/08/28		95	%	70 - 130
			Styrene	2007/08/28		91	%	70 - 130
			1,1,1,2-Tetrachloroethane	2007/08/28		118	%	70 - 130
			1,1,2,2-Tetrachloroethane	2007/08/28		118	%	70 - 130
			Tetrachloroethylene	2007/08/28		96	%	70 - 130
			Toluene	2007/08/28		104	%	70 - 130
			1,1,1-Trichloroethane	2007/08/28		92	%	70 - 130
			1,1,2-Trichloroethane	2007/08/28		119	%	70 - 130
			Trichloroethylene	2007/08/28		95	%	70 - 130
			Vinyl Chloride	2007/08/28		79	%	70 - 130
			p+m-Xylene	2007/08/28		111	%	70 - 130
			o-Xylene	2007/08/28		97	%	70 - 130
		Spiked Blank	4-Bromofluorobenzene	2007/08/28		94	%	70 - 130
			D4-1,2-Dichloroethane	2007/08/28		102	%	70 - 130
			D8-Toluene	2007/08/28		105	%	70 - 130
			Acetone (2-Propanone)	2007/08/28		98	%	60 - 140
			Benzene	2007/08/28		89	%	70 - 130
			Bromodichloromethane	2007/08/28		111	%	70 - 130
			Bromoform	2007/08/28		98	%	70 - 130
			Bromomethane	2007/08/28		82	%	60 - 140
			Carbon Tetrachloride	2007/08/28		93	%	70 - 130
			Chlorobenzene	2007/08/28		102	%	70 - 130
			Chloroform	2007/08/28		98	%	70 - 130
			Dibromochloromethane	2007/08/28		122	%	70 - 130
			1,2-Dichlorobenzene	2007/08/28		97	%	70 - 130
			1,3-Dichlorobenzene	2007/08/28		101	%	70 - 130
			1,4-Dichlorobenzene	2007/08/28		106	%	70 - 130

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Barenco Inc
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Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE EAST

Quality Assurance Report (Continued)

Maxxam Job Number: MA790950

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1342800	AAD	Spiked Blank	1,1-Dichloroethane	2007/08/28		91	%	70 - 130
			1,2-Dichloroethane	2007/08/28		93	%	70 - 130
			1,1-Dichloroethylene	2007/08/28		86	%	70 - 130
			cis-1,2-Dichloroethylene	2007/08/28		96	%	70 - 130
			trans-1,2-Dichloroethylene	2007/08/28		88	%	70 - 130
			1,2-Dichloropropane	2007/08/28		114	%	70 - 130
			cis-1,3-Dichloropropene	2007/08/28		92	%	70 - 130
			trans-1,3-Dichloropropene	2007/08/28		99	%	70 - 130
			Ethylbenzene	2007/08/28		109	%	70 - 130
			Ethylene Dibromide	2007/08/28		115	%	70 - 130
			Methylene Chloride(Dichloromethane)	2007/08/28		90	%	70 - 130
			Methyl Isobutyl Ketone	2007/08/28		128	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28		114	%	60 - 140
			Methyl t-butyl ether (MTBE)	2007/08/28		91	%	70 - 130
			Styrene	2007/08/28		92	%	70 - 130
			1,1,1,2-Tetrachloroethane	2007/08/28		118	%	70 - 130
			1,1,2,2-Tetrachloroethane	2007/08/28		116	%	70 - 130
			Tetrachloroethylene	2007/08/28		96	%	70 - 130
			Toluene	2007/08/28		104	%	70 - 130
			1,1,1-Trichloroethane	2007/08/28		91	%	70 - 130
			1,1,2-Trichloroethane	2007/08/28		119	%	70 - 130
			Trichloroethylene	2007/08/28		93	%	70 - 130
			Vinyl Chloride	2007/08/28		78	%	70 - 130
			p+m-Xylene	2007/08/28		112	%	70 - 130
			o-Xylene	2007/08/28		98	%	70 - 130
		Method Blank	4-Bromofluorobenzene	2007/08/28		86	%	70 - 130
			D4-1,2-Dichloroethane	2007/08/28		110	%	70 - 130
			D8-Toluene	2007/08/28		101	%	70 - 130
			Acetone (2-Propanone)	2007/08/28	ND, RDL=10		ug/L	
			Benzene	2007/08/28	ND, RDL=0.1		ug/L	
			Bromodichloromethane	2007/08/28	ND, RDL=0.1		ug/L	
			Bromoform	2007/08/28	ND, RDL=0.2		ug/L	
			Bromomethane	2007/08/28	ND, RDL=0.5		ug/L	
			Carbon Tetrachloride	2007/08/28	ND, RDL=0.1		ug/L	
			Chlorobenzene	2007/08/28	ND, RDL=0.1		ug/L	
			Chloroform	2007/08/28	ND, RDL=0.1		ug/L	
			Dibromochloromethane	2007/08/28	ND, RDL=0.2		ug/L	
			1,2-Dichlorobenzene	2007/08/28	ND, RDL=0.2		ug/L	
			1,3-Dichlorobenzene	2007/08/28	ND, RDL=0.2		ug/L	
			1,4-Dichlorobenzene	2007/08/28	ND, RDL=0.2		ug/L	
			1,1-Dichloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,2-Dichloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,1-Dichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			cis-1,2-Dichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			trans-1,2-Dichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			1,2-Dichloropropane	2007/08/28	ND, RDL=0.1		ug/L	
			cis-1,3-Dichloropropene	2007/08/28	ND, RDL=0.2		ug/L	
			trans-1,3-Dichloropropene	2007/08/28	ND, RDL=0.2		ug/L	
			Ethylbenzene	2007/08/28	ND, RDL=0.1		ug/L	
			Ethylene Dibromide	2007/08/28	ND, RDL=0.2		ug/L	
			Methylene Chloride(Dichloromethane)	2007/08/28	ND, RDL=0.5		ug/L	
			Methyl Isobutyl Ketone	2007/08/28	ND, RDL=5		ug/L	
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28	ND, RDL=5		ug/L	
			Methyl t-butyl ether (MTBE)	2007/08/28	ND, RDL=0.2		ug/L	
			Styrene	2007/08/28	ND, RDL=0.1		ug/L	

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Quality Assurance Report (Continued)

Maxxam Job Number: MA790950

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1342800	AAD	Method Blank	1,1,1,2-Tetrachloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,1,2,2-Tetrachloroethane	2007/08/28	ND, RDL=0.2		ug/L	
			Tetrachloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			Toluene	2007/08/28	ND, RDL=0.2		ug/L	
			1,1,1-Trichloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,1,2-Trichloroethane	2007/08/28	ND, RDL=0.2		ug/L	
			Trichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			Vinyl Chloride	2007/08/28	ND, RDL=0.2		ug/L	
			p+m-Xylene	2007/08/28	ND, RDL=0.1		ug/L	
			o-Xylene	2007/08/28	ND, RDL=0.1		ug/L	
			Xylene (Total)	2007/08/28	ND, RDL=0.1		ug/L	
		RPD	Acetone (2-Propanone)	2007/08/28	NC		%	40
			Benzene	2007/08/28	NC		%	40
			Bromodichloromethane	2007/08/28	NC		%	40
			Bromoform	2007/08/28	NC		%	40
			Bromomethane	2007/08/28	NC		%	40
			Carbon Tetrachloride	2007/08/28	NC		%	40
			Chlorobenzene	2007/08/28	NC		%	40
			Chloroform	2007/08/28	NC		%	40
			Dibromochloromethane	2007/08/28	NC		%	40
			1,2-Dichlorobenzene	2007/08/28	NC		%	40
			1,3-Dichlorobenzene	2007/08/28	NC		%	40
			1,4-Dichlorobenzene	2007/08/28	NC		%	40
			1,1-Dichloroethane	2007/08/28	NC		%	40
			1,2-Dichloroethane	2007/08/28	NC		%	40
			1,1-Dichloroethylene	2007/08/28	NC		%	40
			cis-1,2-Dichloroethylene	2007/08/28	NC		%	40
			trans-1,2-Dichloroethylene	2007/08/28	NC		%	40
			1,2-Dichloropropane	2007/08/28	NC		%	40
			cis-1,3-Dichloropropene	2007/08/28	NC		%	40
			trans-1,3-Dichloropropene	2007/08/28	NC		%	40
			Ethylbenzene	2007/08/28	NC		%	40
			Ethylene Dibromide	2007/08/28	NC		%	40
			Methylene Chloride(Dichloromethane)	2007/08/28	NC		%	40
			Methyl Isobutyl Ketone	2007/08/28	NC		%	40
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28	NC		%	40
			Methyl t-butyl ether (MTBE)	2007/08/28	NC		%	40
			Styrene	2007/08/28	NC		%	40
			1,1,1,2-Tetrachloroethane	2007/08/28	NC		%	40
			1,1,2,2-Tetrachloroethane	2007/08/28	NC		%	40
			Tetrachloroethylene	2007/08/28	4.1		%	40
			Toluene	2007/08/28	NC		%	40
			1,1,1-Trichloroethane	2007/08/28	NC		%	40
			1,1,2-Trichloroethane	2007/08/28	NC		%	40
			Trichloroethylene	2007/08/28	NC		%	40
			Vinyl Chloride	2007/08/28	NC		%	40
			p+m-Xylene	2007/08/28	NC		%	40
			o-Xylene	2007/08/28	NC		%	40
			Xylene (Total)	2007/08/28	NC		%	40
1343457	JJI	MATRIX SPIKE	D10-Anthracene	2007/08/27		88	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		94	%	30 - 130
			D7-Quinoline	2007/08/27		86	%	30 - 130
			D8-Acenaphthylene	2007/08/27		81	%	30 - 130
			Acenaphthene	2007/08/27		77	%	30 - 130
			Acenaphthylene	2007/08/27		76	%	30 - 130

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Quality Assurance Report (Continued)

Maxxam Job Number: MA790950

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1343457	JJI	MATRIX SPIKE	Anthracene	2007/08/27		93	%	30 - 130
			Benzo(a)anthracene	2007/08/27		95	%	30 - 130
			Benzo(b/j)fluoranthene	2007/08/27		99	%	30 - 130
			Benzo(g,h,i)perylene	2007/08/27		73	%	30 - 130
			Benzo(k)fluoranthene	2007/08/27		82	%	30 - 130
			Chrysene	2007/08/27		94	%	30 - 130
			Dibenz(a,h)anthracene	2007/08/27		86	%	30 - 130
			Fluoranthene	2007/08/27		86	%	30 - 130
			Fluorene	2007/08/27		86	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2007/08/27		91	%	30 - 130
			1-Methylnaphthalene	2007/08/27		77	%	30 - 130
			2-Methylnaphthalene	2007/08/27		84	%	30 - 130
			Naphthalene	2007/08/27		74	%	30 - 130
			Phenanthrene	2007/08/27		89	%	30 - 130
			Pyrene	2007/08/27		101	%	30 - 130
		Spiked Blank	D10-Anthracene	2007/08/27		85	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		91	%	30 - 130
			D7-Quinoline	2007/08/27		82	%	30 - 130
			D8-Acenaphthylene	2007/08/27		79	%	30 - 130
			Acenaphthene	2007/08/27		74	%	30 - 130
			Acenaphthylene	2007/08/27		72	%	30 - 130
			Anthracene	2007/08/27		91	%	30 - 130
			Benzo(a)anthracene	2007/08/27		95	%	30 - 130
			Benzo(b/j)fluoranthene	2007/08/27		99	%	30 - 130
			Benzo(g,h,i)perylene	2007/08/27		70	%	30 - 130
			Benzo(k)fluoranthene	2007/08/27		81	%	30 - 130
			Chrysene	2007/08/27		91	%	30 - 130
			Dibenz(a,h)anthracene	2007/08/27		84	%	30 - 130
			Fluoranthene	2007/08/27		84	%	30 - 130
			Fluorene	2007/08/27		83	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2007/08/27		87	%	30 - 130
			1-Methylnaphthalene	2007/08/27		70	%	30 - 130
			2-Methylnaphthalene	2007/08/27		74	%	30 - 130
			Naphthalene	2007/08/27		67	%	30 - 130
			Phenanthrene	2007/08/27		87	%	30 - 130
			Pyrene	2007/08/27		98	%	30 - 130
		Method Blank	D10-Anthracene	2007/08/27		84	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		90	%	30 - 130
			D7-Quinoline	2007/08/27		89	%	30 - 130
			D8-Acenaphthylene	2007/08/27		74	%	30 - 130
			Acenaphthene	2007/08/27	ND, RDL=0.05		ug/L	
			Acenaphthylene	2007/08/27	ND, RDL=0.05		ug/L	
			Anthracene	2007/08/27	ND, RDL=0.05		ug/L	
			Benzo(a)anthracene	2007/08/27	ND, RDL=0.05		ug/L	
			Benzo(b/j)fluoranthene	2007/08/27	ND, RDL=0.05		ug/L	
			Benzo(g,h,i)perylene	2007/08/27	ND, RDL=0.1		ug/L	
			Benzo(k)fluoranthene	2007/08/27	ND, RDL=0.05		ug/L	
			Chrysene	2007/08/27	ND, RDL=0.05		ug/L	
			Dibenz(a,h)anthracene	2007/08/27	ND, RDL=0.1		ug/L	
			Fluoranthene	2007/08/27	ND, RDL=0.05		ug/L	
			Fluorene	2007/08/27	ND, RDL=0.05		ug/L	
			Indeno(1,2,3-cd)pyrene	2007/08/27	ND, RDL=0.1		ug/L	
			1-Methylnaphthalene	2007/08/27	ND, RDL=0.05		ug/L	
			2-Methylnaphthalene	2007/08/27	ND, RDL=0.05		ug/L	
			Naphthalene	2007/08/27	ND, RDL=0.05		ug/L	

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Quality Assurance Report (Continued)

Maxxam Job Number: MA790950

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1343457	JJI	Method Blank	Phenanthrene	2007/08/27	ND, RDL=0.05		ug/L	
			Pyrene	2007/08/27	ND, RDL=0.05		ug/L	
		RPD	D14-Terphenyl (FS)	2007/08/27	2.3		%	N/A
			Acenaphthene	2007/08/27	NC		%	40
			Acenaphthylene	2007/08/27	NC		%	40
			Anthracene	2007/08/27	NC		%	40
			Benzo(a)anthracene	2007/08/27	NC		%	40
			Benzo(b/j)fluoranthene	2007/08/27	NC		%	40
			Benzo(g,h,i)perylene	2007/08/27	NC		%	40
			Benzo(k)fluoranthene	2007/08/27	NC		%	40
			Chrysene	2007/08/27	NC		%	40
			Dibenz(a,h)anthracene	2007/08/27	NC		%	40
			Fluoranthene	2007/08/27	NC		%	40
			Fluorene	2007/08/27	NC		%	40
			Indeno(1,2,3-cd)pyrene	2007/08/27	NC		%	40
			1-Methylnaphthalene	2007/08/27	NC		%	40
			2-Methylnaphthalene	2007/08/27	NC		%	40
			Naphthalene	2007/08/27	NC		%	40
			Phenanthrene	2007/08/27	NC		%	40
			Pyrene	2007/08/27	NC		%	40
1343486	JJI	Spiked Blank	D10-Anthracene	2007/08/27		85	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		91	%	30 - 130
			D8-Acenaphthylene	2007/08/27		79	%	30 - 130
			Benzo(a)pyrene	2007/08/27		91	%	30 - 130
		RPD	Benzo(a)pyrene	2007/08/27	0.4		%	40
		Method Blank	D10-Anthracene	2007/08/27		84	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		90	%	30 - 130
			D8-Acenaphthylene	2007/08/27		74	%	30 - 130
			Benzo(a)pyrene	2007/08/27	ND, RDL=0.005		ug/L	
1346298	JBW	MATRIX SPIKE						
		[U25728-02]	Dissolved Antimony (Sb)	2007/08/30		110	%	80 - 120
			Dissolved Arsenic (As)	2007/08/30		103	%	80 - 120
			Dissolved Barium (Ba)	2007/08/30		102	%	80 - 120
			Dissolved Beryllium (Be)	2007/08/30		105	%	80 - 120
			Dissolved Boron (B)	2007/08/30		89	%	80 - 120
			Dissolved Cadmium (Cd)	2007/08/30		106	%	80 - 120
			Dissolved Chromium (Cr)	2007/08/30		103	%	80 - 120
			Dissolved Cobalt (Co)	2007/08/30		103	%	80 - 120
			Dissolved Copper (Cu)	2007/08/30		99	%	80 - 120
			Dissolved Lead (Pb)	2007/08/30		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2007/08/30		109	%	80 - 120
			Dissolved Nickel (Ni)	2007/08/30		98	%	80 - 120
			Dissolved Selenium (Se)	2007/08/30		104	%	80 - 120
			Dissolved Silver (Ag)	2007/08/30		103	%	80 - 120
			Dissolved Sodium (Na)	2007/08/30		105	%	80 - 120
			Dissolved Thallium (Tl)	2007/08/30		102	%	80 - 120
			Dissolved Vanadium (V)	2007/08/30		104	%	80 - 120
			Dissolved Zinc (Zn)	2007/08/30		100	%	80 - 120
		Spiked Blank	Dissolved Antimony (Sb)	2007/08/30		104	%	85 - 115
			Dissolved Arsenic (As)	2007/08/30		103	%	85 - 115
			Dissolved Barium (Ba)	2007/08/30		101	%	85 - 115
			Dissolved Beryllium (Be)	2007/08/30		105	%	85 - 115
			Dissolved Boron (B)	2007/08/30		106	%	85 - 115
			Dissolved Cadmium (Cd)	2007/08/30		103	%	85 - 115
			Dissolved Chromium (Cr)	2007/08/30		104	%	85 - 115

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Quality Assurance Report (Continued)

Maxxam Job Number: MA790950

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1346298	JBW	Spiked Blank	Dissolved Cobalt (Co)	2007/08/30		103	%	85 - 115
			Dissolved Copper (Cu)	2007/08/30		98	%	85 - 115
			Dissolved Lead (Pb)	2007/08/30		101	%	85 - 115
			Dissolved Molybdenum (Mo)	2007/08/30		103	%	85 - 115
			Dissolved Nickel (Ni)	2007/08/30		98	%	85 - 115
			Dissolved Selenium (Se)	2007/08/30		100	%	85 - 115
			Dissolved Silver (Ag)	2007/08/30		101	%	85 - 115
			Dissolved Sodium (Na)	2007/08/30		107	%	85 - 115
			Dissolved Thallium (Tl)	2007/08/30		100	%	85 - 115
			Dissolved Vanadium (V)	2007/08/30		104	%	85 - 115
			Dissolved Zinc (Zn)	2007/08/30		101	%	85 - 115
		Method Blank	Dissolved Antimony (Sb)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Arsenic (As)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Barium (Ba)	2007/08/30	ND, RDL=5		ug/L	
			Dissolved Beryllium (Be)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Boron (B)	2007/08/30	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2007/08/30	ND, RDL=0.1		ug/L	
			Dissolved Chromium (Cr)	2007/08/30	ND, RDL=5		ug/L	
			Dissolved Cobalt (Co)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Copper (Cu)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Lead (Pb)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Molybdenum (Mo)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Nickel (Ni)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Selenium (Se)	2007/08/30	ND, RDL=2		ug/L	
			Dissolved Silver (Ag)	2007/08/30	ND, RDL=0.1		ug/L	
			Dissolved Sodium (Na)	2007/08/30	ND, RDL=100		ug/L	
			Dissolved Thallium (Tl)	2007/08/30	ND, RDL=0.05		ug/L	
			Dissolved Vanadium (V)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Zinc (Zn)	2007/08/30	ND, RDL=5		ug/L	

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

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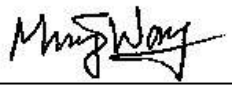
Validation Signature Page

Maxxam Job #: A790950

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



MICHAEL WANG,

TROY CARRIERE, B.Sc., C.Chem, Scientific Specialist

==========

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6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND
Your C.O.C. #: 00432605

Attention: Carla Reynolds
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/07/12

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A646323
Received: 2006/05/17, 16:04

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Dissolved Metals by ICPMS	2	N/A	2006/05/20	CAM SOP-00447	EPA 6020
PAH Compounds in Water by GC/MS (SIM)	2	2006/05/19	2006/05/19	EPA 8270	GC/MS

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A646323
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		M08374	M08375		
Sampling Date		2006/05/16 13:30	2006/05/16 14:00		
COC Number		00432605	00432605		
	Units	**MW101**	**MW109**	**RDL**	**QC Batch**
METALS					
Dissolved Boron (B)	ug/L	320	1200	10	974322
Dissolved Cobalt (Co)	ug/L	1.4	ND	0.5	974322
Dissolved Copper (Cu)	ug/L	6	1	1	974322
Dissolved Lead (Pb)	ug/L	ND	ND	0.5	974322

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A646323
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		M08374	M08375		
Sampling Date		2006/05/16 13:30	2006/05/16 14:00		
COC Number		00432605	00432605		
	Units	**MW101**	**MW109**	**RDL**	**QC Batch**
PAHs					
Acenaphthene	ug/L	0.4	ND	0.05	973913
Acenaphthylene	ug/L	ND	ND	0.05	973913
Anthracene	ug/L	0.7	ND	0.05	973913
Benzo(a)anthracene	ug/L	10	ND	0.05	973913
Benzo(a)pyrene	ug/L	20	0.02	0.01	973913
Benzo(b/j)fluoranthene	ug/L	20	ND	0.05	973913
Benzo(g,h,i)perylene	ug/L	20	0.2	0.1	973913
Benzo(k)fluoranthene	ug/L	7	ND	0.05	973913
Chrysene	ug/L	10	ND	0.05	973913
Dibenz(a,h)anthracene	ug/L	3	ND	0.1	973913
Fluoranthene	ug/L	10	0.3	0.05	973913
Fluorene	ug/L	0.2	ND	0.05	973913
Indeno(1,2,3-cd)pyrene	ug/L	10	ND	0.1	973913
1-Methylnaphthalene	ug/L	0.2	ND	0.05	973913
2-Methylnaphthalene	ug/L	0.2	ND	0.05	973913
Naphthalene	ug/L	0.3	0.05	0.05	973913
Phenanthrene	ug/L	4	0.2	0.05	973913
Pyrene	ug/L	10	0.3	0.05	973913
Surrogate Recovery (%)					
D10-Anthracene	%	91	82		973913
D14-Terphenyl (FS)	%	103	103		973913
D7-Quinoline	%	81	92		973913
D8-Acenaphthylene	%	95	86		973913

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A646323
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Sample M08375-01: PAH ANALYSIS: Due to matrix background inferferences, the recovery for terphenyl-d14 was not available.

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

PAH Compounds in Water by GC/MS (SIM): NA: Recovery in the matrix spiked sample was not calculated. Because of the high concentration of this compound in the parent sample, the relative difference between the spiked and un-spiked concentrations is not sufficiently significant to permit reliable recovery calculation. This may not apply to all work orders.

Results relate only to the items tested.

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report

Maxxam Job Number: MA646323

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
973913	MWG	MATRIX SPIKE [M08374-01]	D10-Anthracene	2006/05/19		93	%	30 - 130
			D14-Terphenyl (FS)	2006/05/19		104	%	30 - 130
			D7-Quinoline	2006/05/19		98	%	30 - 130
			D8-Acenaphthylene	2006/05/19		96	%	30 - 130
			Acenaphthene	2006/05/19		95	%	30 - 130
			Acenaphthylene	2006/05/19		97	%	30 - 130
			Anthracene	2006/05/19		104	%	30 - 130
			Benzo(a)anthracene	2006/05/19		NA	%	30 - 130
			Benzo(a)pyrene	2006/05/19		NA	%	30 - 130
			Benzo(b/j)fluoranthene	2006/05/19		NA	%	30 - 130
			Benzo(g,h,i)perylene	2006/05/19		NA	%	30 - 130
			Benzo(k)fluoranthene	2006/05/19		122	%	30 - 130
			Chrysene	2006/05/19		NA	%	30 - 130
			Dibenz(a,h)anthracene	2006/05/19		118	%	30 - 130
			Fluoranthene	2006/05/19		NA	%	30 - 130
			Fluorene	2006/05/19		116	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/05/19		NA	%	30 - 130
			1-Methylnaphthalene	2006/05/19		108	%	30 - 130
			2-Methylnaphthalene	2006/05/19		94	%	30 - 130
			Naphthalene	2006/05/19		89	%	30 - 130
			Phenanthrene	2006/05/19		124	%	30 - 130
			Pyrene	2006/05/19		NA	%	30 - 130
		Spiked Blank	D10-Anthracene	2006/05/19		93	%	30 - 130
			D14-Terphenyl (FS)	2006/05/19		105	%	30 - 130
			D7-Quinoline	2006/05/19		109	%	30 - 130
			D8-Acenaphthylene	2006/05/19		95	%	30 - 130
			Acenaphthene	2006/05/19		88	%	30 - 130
			Acenaphthylene	2006/05/19		91	%	30 - 130
			Anthracene	2006/05/19		99	%	30 - 130
			Benzo(a)anthracene	2006/05/19		106	%	30 - 130
			Benzo(a)pyrene	2006/05/19		104	%	30 - 130
			Benzo(b/j)fluoranthene	2006/05/19		97	%	30 - 130
			Benzo(g,h,i)perylene	2006/05/19		109	%	30 - 130
			Benzo(k)fluoranthene	2006/05/19		117	%	30 - 130
			Chrysene	2006/05/19		107	%	30 - 130
			Dibenz(a,h)anthracene	2006/05/19		98	%	30 - 130
			Fluoranthene	2006/05/19		107	%	30 - 130
			Fluorene	2006/05/19		109	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/05/19		100	%	30 - 130
			1-Methylnaphthalene	2006/05/19		110	%	30 - 130
			2-Methylnaphthalene	2006/05/19		97	%	30 - 130
			Naphthalene	2006/05/19		82	%	30 - 130
			Phenanthrene	2006/05/19		108	%	30 - 130
			Pyrene	2006/05/19		108	%	30 - 130
		Method Blank	D10-Anthracene	2006/05/19		91	%	30 - 130
			D14-Terphenyl (FS)	2006/05/19		103	%	30 - 130
			D7-Quinoline	2006/05/19		100	%	30 - 130
			D8-Acenaphthylene	2006/05/19		94	%	30 - 130
			Acenaphthene	2006/05/19	ND, RDL=0.05		ug/L	
			Acenaphthylene	2006/05/19	ND, RDL=0.05		ug/L	
			Anthracene	2006/05/19	ND, RDL=0.05		ug/L	
			Benzo(a)anthracene	2006/05/19	ND, RDL=0.05		ug/L	
			Benzo(a)pyrene	2006/05/19	ND, RDL=0.01		ug/L	
			Benzo(b/j)fluoranthene	2006/05/19	ND, RDL=0.05		ug/L	

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA646323

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
973913	MWG	Method Blank	Benzo(g,h,i)perylene	2006/05/19	ND, RDL=0.1		ug/L	
			Benzo(k)fluoranthene	2006/05/19	ND, RDL=0.05		ug/L	
			Chrysene	2006/05/19	ND, RDL=0.05		ug/L	
			Dibenz(a,h)anthracene	2006/05/19	ND, RDL=0.1		ug/L	
			Fluoranthene	2006/05/19	ND, RDL=0.05		ug/L	
			Fluorene	2006/05/19	ND, RDL=0.05		ug/L	
			Indeno(1,2,3-cd)pyrene	2006/05/19	ND, RDL=0.1		ug/L	
			1-Methylnaphthalene	2006/05/19	ND, RDL=0.05		ug/L	
			2-Methylnaphthalene	2006/05/19	ND, RDL=0.05		ug/L	
			Naphthalene	2006/05/19	ND, RDL=0.05		ug/L	
			Phenanthrene	2006/05/19	ND, RDL=0.05		ug/L	
			Pyrene	2006/05/19	ND, RDL=0.05		ug/L	
		RPD [M08375-01]	Acenaphthene	2006/05/19	NC		%	40
			Acenaphthylene	2006/05/19	NC		%	40
			Anthracene	2006/05/19	NC		%	40
			Benzo(a)anthracene	2006/05/19	NC		%	40
			Benzo(a)pyrene	2006/05/19	NC		%	40
			Benzo(b/j)fluoranthene	2006/05/19	NC		%	40
			Benzo(g,h,i)perylene	2006/05/19	NC		%	40
			Benzo(k)fluoranthene	2006/05/19	NC		%	40
			Chrysene	2006/05/19	NC		%	40
			Dibenz(a,h)anthracene	2006/05/19	NC		%	40
			Fluoranthene	2006/05/19	2.7		%	40
			Fluorene	2006/05/19	NC		%	40
			Indeno(1,2,3-cd)pyrene	2006/05/19	NC		%	40
			1-Methylnaphthalene	2006/05/19	NC		%	40
			2-Methylnaphthalene	2006/05/19	NC		%	40
			Naphthalene	2006/05/19	NC		%	40
			Phenanthrene	2006/05/19	NC		%	40
			Pyrene	2006/05/19	0.8		%	40
974322	HRE	MATRIX SPIKE	Dissolved Boron (B)	2006/05/20		NC (1)	%	75 - 125
			Dissolved Cobalt (Co)	2006/05/20		95	%	80 - 120
			Dissolved Copper (Cu)	2006/05/20		94	%	80 - 120
			Dissolved Lead (Pb)	2006/05/20		94	%	80 - 120
		Spiked Blank	Dissolved Boron (B)	2006/05/20		106	%	85 - 115
			Dissolved Cobalt (Co)	2006/05/20		97	%	85 - 115
			Dissolved Copper (Cu)	2006/05/20		101	%	85 - 115
			Dissolved Lead (Pb)	2006/05/20		98	%	85 - 115
		Method Blank	Dissolved Boron (B)	2006/05/20	ND, RDL=10		ug/L	
			Dissolved Cobalt (Co)	2006/05/20	ND, RDL=0.5		ug/L	
			Dissolved Copper (Cu)	2006/05/20	ND, RDL=1		ug/L	
			Dissolved Lead (Pb)	2006/05/20	ND, RDL=0.5		ug/L	
		RPD	Dissolved Boron (B)	2006/05/20	2.9		%	25
			Dissolved Cobalt (Co)	2006/05/20	NC		%	25
			Dissolved Copper (Cu)	2006/05/20	NC		%	25
			Dissolved Lead (Pb)	2006/05/20	NC		%	25

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

(1) The recovery in the matrix spiked sample was not calculated. Because of the high concentration of this compound in the parent sample, the relative difference between the spiked and un-spiked concentrations is not sufficiently significant to permit a reliable recovery calculation.

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Validation Signature Page

Maxxam Job #: A646323

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

BRAD NEWMAN, Scientific Specialist

ALINA SEGAL, Manager Main Lab - Organics

==========

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND
Your C.O.C. #: 00457597

Attention: Carla Reynolds
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2006/11/03

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A6B6138
Received: 2006/10/27, 13:38

Sample Matrix: Soil
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Petroleum Hydro. CCME FI & BTEX in Soil	5	2006/10/30	2006/11/01	CAM SOP-00315	CCME CWS
Petroleum Hydrocarbons F2-F4 in Soil	5	2006/10/29	2006/10/29	CAM SOP-00316	CCME CWS
MOISTURE	6	N/A	2006/10/28	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	1	2006/10/28	2006/10/28	EPA 8270	GC/MS
pH CaCl2 EXTRACT	2	N/A	2006/10/30	Ont SOP-0067	4500-H+B
Total Organic Carbon in Soil	4	N/A	2006/11/01		LECO

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A6B6138
Report Date: 2006/11/03

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		P15669	P15670	P15671	P15672	P15673		
Sampling Date		2006/10/23	2006/10/23	2006/10/23	2006/10/23	2006/10/23		
COC Number		00457597	00457597	00457597	00457597	00457597		
	Units	**TH1**	**TH2-1**	**TH2-2**	**TH2-3**	**TH3-1**	**RDL**	**QC Batch**
INORGANICS								
Moisture	%	16	22	17	28		0.2	1088658
Total Organic Carbon	mg/kg	38000	ND			41000	500	1091406
Available (CaCl2) pH	pH					7.38	N/A	1089186

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		P15674	P15675	P15676	P15677		
Sampling Date		2006/10/23	2006/10/23	2006/10/23	2006/10/23		
COC Number		00457597	00457597	00457597	00457597		
	Units	**TH3-2**	**TH3-3**	**TH4-1**	**TH4-2**	**RDL**	**QC Batch**
INORGANICS							
Moisture	%	17			13	0.2	1088658
Total Organic Carbon	mg/kg		20000			500	1091406
Available (CaCl2) pH	pH			8.28		N/A	1089186

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A6B6138
Report Date: 2006/11/03

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		P15672		
Sampling Date		2006/10/23		
COC Number		00457597		
	Units	**TH2-3**	**RDL**	**QC Batch**
PAHs				
Acenaphthene	ug/g	ND	0.02	1088657
Acenaphthylene	ug/g	ND	0.01	1088657
Anthracene	ug/g	ND	0.01	1088657
Benzo(a)anthracene	ug/g	0.03	0.02	1088657
Benzo(a)pyrene	ug/g	0.03	0.01	1088657
Benzo(b/j)fluoranthene	ug/g	0.04	0.01	1088657
Benzo(g,h,i)perylene	ug/g	ND	0.04	1088657
Benzo(k)fluoranthene	ug/g	ND	0.02	1088657
Chrysene	ug/g	0.03	0.02	1088657
Dibenzo(a,h)anthracene	ug/g	ND	0.04	1088657
Fluoranthene	ug/g	0.06	0.01	1088657
Fluorene	ug/g	ND	0.01	1088657
Indeno(1,2,3-cd)pyrene	ug/g	ND	0.04	1088657
1-Methylnaphthalene	ug/g	0.03	0.01	1088657
2-Methylnaphthalene	ug/g	0.05	0.01	1088657
Naphthalene	ug/g	0.03	0.01	1088657
Phenanthrene	ug/g	0.04	0.01	1088657
Pyrene	ug/g	0.04	0.01	1088657
Surrogate Recovery (%)				
D10-Anthracene	%	85		1088657
D14-Terphenyl (FS)	%	83		1088657
D7-Quinoline	%	73		1088657
D8-Acenaphthylene	%	72		1088657

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A6B6138
Report Date: 2006/11/03

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID		P15669	P15670	P15671	P15674		
Sampling Date		2006/10/23	2006/10/23	2006/10/23	2006/10/23		
COC Number		00457597	00457597	00457597	00457597		
	Units	**TH1**	**TH2-1**	**TH2-2**	**TH3-2**	**RDL**	**QC Batch**
F1 PHC and BTEX							
Benzene	ug/g	ND	ND	ND	ND	0.02	1089614
Toluene	ug/g	ND	0.21	ND	ND	0.02	1089614
Ethylbenzene	ug/g	ND	0.09	ND	ND	0.02	1089614
o-Xylene	ug/g	ND	0.36	ND	0.10	0.02	1089614
p+m-Xylene	ug/g	ND	0.60	ND	0.17	0.04	1089614
Total Xylenes	ug/g	ND	0.96	ND	0.27	0.04	1089614
F1 (C6-C10)	ug/g	ND	22	ND	ND	10	1089614
F1 (C6-C10) - BTEX	ug/g	ND	21	ND	ND	10	1089614
F2-F4 PHC							
F2 (C10-C16 Hydrocarbons)	ug/g	ND	26	ND	ND	10	1088792
F3 (C16-C34 Hydrocarbons)	ug/g	38	530	ND	11	10	1088792
F4 (C34-C50 Hydrocarbons)	ug/g	43	760	ND	ND	10	1088792
Reached Baseline at C50	ug/g	Yes	No	Yes	Yes		1088792
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	107	104	107	107		1089614
4-Bromofluorobenzene	%	93	94	94	95		1089614
D10-Ethylbenzene	%	102	101	98	101		1089614
D4-1,2-Dichloroethane	%	94	94	94	95		1089614
o-Terphenyl	%	106	91	78	72		1088792

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6138
Report Date: 2006/11/03

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID		P15677		
Sampling Date		2006/10/23		
COC Number		00457597		
	Units	**TH4-2**	**RDL**	**QC Batch**
F1 PHC and BTEX				
Benzene	ug/g	ND	0.02	1089614
Toluene	ug/g	ND	0.02	1089614
Ethylbenzene	ug/g	ND	0.02	1089614
o-Xylene	ug/g	ND	0.02	1089614
p+m-Xylene	ug/g	ND	0.04	1089614
Total Xylenes	ug/g	ND	0.04	1089614
F1 (C6-C10)	ug/g	ND	10	1089614
F1 (C6-C10) - BTEX	ug/g	ND	10	1089614
F2-F4 PHC				
F2 (C10-C16 Hydrocarbons)	ug/g	14	10	1088792
F3 (C16-C34 Hydrocarbons)	ug/g	270	10	1088792
F4 (C34-C50 Hydrocarbons)	ug/g	24	10	1088792
Reached Baseline at C50	ug/g	Yes		1088792
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	107		1089614
4-Bromofluorobenzene	%	94		1089614
D10-Ethylbenzene	%	101		1089614
D4-1,2-Dichloroethane	%	95		1089614
o-Terphenyl	%	74		1088792

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6138
Report Date: 2006/11/03

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Sample P15672-01: PAH analysis: Due to coloured interferences, sample required dilution. DLs were adjusted accordingly.

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report

Maxxam Job Number: MA6B6138

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088657	MWG	MATRIX SPIKE	D10-Anthracene	2006/10/28		72	%	30 - 130
			D14-Terphenyl (FS)	2006/10/28		79	%	30 - 130
			D7-Quinoline	2006/10/28		54	%	30 - 130
			D8-Acenaphthylene	2006/10/28		56	%	30 - 130
			Acenaphthene	2006/10/28		62	%	30 - 130
			Acenaphthylene	2006/10/28		61	%	30 - 130
			Anthracene	2006/10/28		72	%	30 - 130
			Benzo(a)anthracene	2006/10/28		84	%	30 - 130
			Benzo(a)pyrene	2006/10/28		78	%	30 - 130
			Benzo(b/j)fluoranthene	2006/10/28		81	%	30 - 130
			Benzo(g,h,i)perylene	2006/10/28		77	%	30 - 130
			Benzo(k)fluoranthene	2006/10/28		77	%	30 - 130
			Chrysene	2006/10/28		83	%	30 - 130
			Dibenzo(a,h)anthracene	2006/10/28		71	%	30 - 130
			Fluoranthene	2006/10/28		78	%	30 - 130
			Fluorene	2006/10/28		64	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/10/28		68	%	30 - 130
			1-Methylnaphthalene	2006/10/28		50	%	30 - 130
			2-Methylnaphthalene	2006/10/28		60	%	30 - 130
			Naphthalene	2006/10/28		60	%	30 - 130
			Phenanthrene	2006/10/28		74	%	30 - 130
			Pyrene	2006/10/28		84	%	30 - 130
		Spiked Blank	D10-Anthracene	2006/10/28		81	%	30 - 130
			D14-Terphenyl (FS)	2006/10/28		88	%	30 - 130
			D7-Quinoline	2006/10/28		79	%	30 - 130
			D8-Acenaphthylene	2006/10/28		68	%	30 - 130
			Acenaphthene	2006/10/28		74	%	30 - 130
			Acenaphthylene	2006/10/28		75	%	30 - 130
			Anthracene	2006/10/28		80	%	30 - 130
			Benzo(a)anthracene	2006/10/28		85	%	30 - 130
			Benzo(a)pyrene	2006/10/28		82	%	30 - 130
			Benzo(b/j)fluoranthene	2006/10/28		83	%	30 - 130
			Benzo(g,h,i)perylene	2006/10/28		68	%	30 - 130
			Benzo(k)fluoranthene	2006/10/28		88	%	30 - 130
			Chrysene	2006/10/28		88	%	30 - 130
			Dibenzo(a,h)anthracene	2006/10/28		65	%	30 - 130
			Fluoranthene	2006/10/28		82	%	30 - 130
			Fluorene	2006/10/28		72	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/10/28		61	%	30 - 130
			1-Methylnaphthalene	2006/10/28		67	%	30 - 130
			2-Methylnaphthalene	2006/10/28		79	%	30 - 130
			Naphthalene	2006/10/28		74	%	30 - 130
			Phenanthrene	2006/10/28		83	%	30 - 130
			Pyrene	2006/10/28		87	%	30 - 130
		Method Blank	D10-Anthracene	2006/10/28		83	%	30 - 130
			D14-Terphenyl (FS)	2006/10/28		86	%	30 - 130
			D7-Quinoline	2006/10/28		77	%	30 - 130
			D8-Acenaphthylene	2006/10/28		66	%	30 - 130
			Acenaphthene	2006/10/28	ND, RDL=0.01		ug/g	
			Acenaphthylene	2006/10/28	ND, RDL=0.005		ug/g	
			Anthracene	2006/10/28	ND, RDL=0.005		ug/g	
			Benzo(a)anthracene	2006/10/28	ND, RDL=0.01		ug/g	
			Benzo(a)pyrene	2006/10/28	ND, RDL=0.005		ug/g	
			Benzo(b/j)fluoranthene	2006/10/28	ND, RDL=0.005		ug/g	
			Benzo(g,h,i)perylene	2006/10/28	ND, RDL=0.02		ug/g	

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6138

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088657	MWG	Method Blank	Benzo(k)fluoranthene	2006/10/28	ND, RDL=0.01		ug/g	
			Chrysene	2006/10/28	ND, RDL=0.01		ug/g	
			Dibenzo(a,h)anthracene	2006/10/28	ND, RDL=0.02		ug/g	
			Fluoranthene	2006/10/28	ND, RDL=0.005		ug/g	
			Fluorene	2006/10/28	ND, RDL=0.005		ug/g	
			Indeno(1,2,3-cd)pyrene	2006/10/28	ND, RDL=0.02		ug/g	
			1-Methylnaphthalene	2006/10/28	ND, RDL=0.005		ug/g	
			2-Methylnaphthalene	2006/10/28	ND, RDL=0.005		ug/g	
			Naphthalene	2006/10/28	ND, RDL=0.005		ug/g	
			Phenanthrene	2006/10/28	ND, RDL=0.005		ug/g	
			Pyrene	2006/10/28	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2006/10/28	2.5		%	N/A
			Acenaphthene	2006/10/28	NC		%	50
			Acenaphthylene	2006/10/28	NC		%	50
			Anthracene	2006/10/28	NC		%	50
			Benzo(a)anthracene	2006/10/28	NC		%	50
			Benzo(a)pyrene	2006/10/28	NC		%	50
			Benzo(b/j)fluoranthene	2006/10/28	NC		%	50
			Benzo(g,h,i)perylene	2006/10/28	NC		%	50
			Benzo(k)fluoranthene	2006/10/28	NC		%	50
			Chrysene	2006/10/28	NC		%	50
			Dibenzo(a,h)anthracene	2006/10/28	NC		%	50
			Fluoranthene	2006/10/28	NC		%	50
			Fluorene	2006/10/28	NC		%	50
			Indeno(1,2,3-cd)pyrene	2006/10/28	NC		%	50
			1-Methylnaphthalene	2006/10/28	NC		%	50
			2-Methylnaphthalene	2006/10/28	NC		%	50
			Naphthalene	2006/10/28	NC		%	50
			Phenanthrene	2006/10/28	NC		%	50
			Pyrene	2006/10/28	NC		%	50
1088658	WW	RPD	Moisture	2006/10/28	1.6		%	50
1088792	LSY	MATRIX SPIKE	o-Terphenyl	2006/10/29		87	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2006/10/29		87	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2006/10/29		87	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2006/10/29		87	%	60 - 130
		Spiked Blank	o-Terphenyl	2006/10/29		85	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2006/10/29		85	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2006/10/29		85	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2006/10/29		85	%	60 - 130
		Method Blank	o-Terphenyl	2006/10/29		81	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2006/10/29	ND, RDL=10		ug/g	
			F3 (C16-C34 Hydrocarbons)	2006/10/29	ND, RDL=10		ug/g	
			F4 (C34-C50 Hydrocarbons)	2006/10/29	ND, RDL=10		ug/g	
		RPD	F2 (C10-C16 Hydrocarbons)	2006/10/29	NC		%	50
			F3 (C16-C34 Hydrocarbons)	2006/10/29	NC		%	50
			F4 (C34-C50 Hydrocarbons)	2006/10/29	NC		%	50
1089614	SPV	MATRIX SPIKE	1,4-Difluorobenzene	2006/11/01		105	%	60 - 140
			4-Bromofluorobenzene	2006/11/01		96	%	60 - 140
			D10-Ethylbenzene	2006/11/01		97	%	30 - 130
			D4-1,2-Dichloroethane	2006/11/01		96	%	60 - 140
			Benzene	2006/11/01		87	%	60 - 140
			Toluene	2006/11/01		84	%	60 - 140
			Ethylbenzene	2006/11/01		84	%	60 - 140
			o-Xylene	2006/11/01		87	%	60 - 140
			p+m-Xylene	2006/11/01		87	%	60 - 140

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6138

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089614	SPV	MATRIX SPIKE	F1 (C6-C10)	2006/11/01		117	%	60 - 140
		Spiked Blank	1,4-Difluorobenzene	2006/11/01		107	%	60 - 140
			4-Bromofluorobenzene	2006/11/01		94	%	60 - 140
			D10-Ethylbenzene	2006/11/01		103	%	30 - 130
			D4-1,2-Dichloroethane	2006/11/01		97	%	60 - 140
			Benzene	2006/11/01		95	%	60 - 140
			Toluene	2006/11/01		90	%	60 - 140
			Ethylbenzene	2006/11/01		91	%	60 - 140
			o-Xylene	2006/11/01		93	%	60 - 140
			p+m-Xylene	2006/11/01		94	%	60 - 140
			F1 (C6-C10)	2006/11/01		126	%	60 - 140
		Method Blank	1,4-Difluorobenzene	2006/11/01		107	%	60 - 140
			4-Bromofluorobenzene	2006/11/01		93	%	60 - 140
			D10-Ethylbenzene	2006/11/01		101	%	30 - 130
			D4-1,2-Dichloroethane	2006/11/01		97	%	60 - 140
			Benzene	2006/11/01	ND, RDL=0.02		ug/g	
			Toluene	2006/11/01	ND, RDL=0.02		ug/g	
			Ethylbenzene	2006/11/01	ND, RDL=0.02		ug/g	
			o-Xylene	2006/11/01	ND, RDL=0.02		ug/g	
			p+m-Xylene	2006/11/01	ND, RDL=0.04		ug/g	
			Total Xylenes	2006/11/01	ND, RDL=0.04		ug/g	
			F1 (C6-C10)	2006/11/01	ND, RDL=10		ug/g	
			F1 (C6-C10) - BTEX	2006/11/01	ND, RDL=10		ug/g	
		RPD	F1 (C6-C10)	2006/11/01	NC		%	50
			F1 (C6-C10) - BTEX	2006/11/01	NC		%	50
1091406	OK	QC STANDARD	Total Organic Carbon	2006/11/01		99	%	20 - 120
		Method Blank	Total Organic Carbon	2006/11/01	ND, RDL=0.05		mg/kg	
		RPD [P15669-01]	Total Organic Carbon	2006/11/01	14.4		%	50

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample

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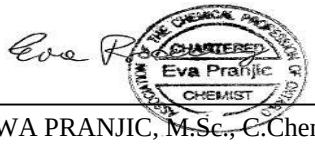
Validation Signature Page

Maxxam Job #: A6B6138

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



EWA PRANJIC, M.Sc., C.Chem, Scientific Specialist

MEDHAT RISKALLAH, Manager, Hydrocarbon Department

SUZANA POPOVIC, Supervisor, Hydrocarbons

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND
Your C.O.C. #: 00457598

Attention: Carla Reynolds
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2006/11/06

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A6B6132
Received: 2006/10/27, 13:42

Sample Matrix: Soil
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Petroleum Hydro. CCME FI & BTEX in Soil	3	2006/10/30	2006/11/01	CAM SOP-00315	CCME CWS
Petroleum Hydrocarbons F2-F4 in Soil	3	2006/10/29	2006/10/29	CAM SOP-00316	CCME CWS
MOISTURE	3	N/A	2006/10/28	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	1	2006/10/30	2006/10/30	EPA 8270	GC/MS
pH CaCl2 EXTRACT	2	N/A	2006/10/31	Ont SOP-0067	4500-H+B
Total Organic Carbon in Soil	4	N/A	2006/11/01		LECO

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A6B6132
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		P15646	P15647	P15648	P15649	P15650		
Sampling Date		2006/10/24	2006/10/24	2006/10/24	2006/10/24	2006/10/24		
COC Number		00457598	00457598	00457598	00457598	00457598		
	Units	**TH5-1**	**TH5-2**	**TH5-3**	**TH6-1**	**TH6-2**	**RDL**	**QC Batch**
INORGANICS								
Moisture	%		11		21		0.2	1088622
Total Organic Carbon	mg/kg	30000		41000		28000	500	1091406
Available (CaCl2) pH	pH	7.56					N/A	1090065

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		P15651	P15652	P15653		
Sampling Date		2006/10/24	2006/10/24	2006/10/24		
COC Number		00457598	00457598	00457598		
	Units	**TH7-1**	**TH7-2**	**TH7-3**	**RDL**	**QC Batch**
INORGANICS						
Moisture	%			17	0.2	1088622
Total Organic Carbon	mg/kg		12000		500	1091406
Available (CaCl2) pH	pH	7.72			N/A	1090065

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6132
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		P15653		
Sampling Date		2006/10/24		
COC Number		00457598		
	Units	**TH7-3**	**RDL**	**QC Batch**
PAHs				
Acenaphthene	ug/g	0.02	0.01	1088995
Acenaphthylene	ug/g	0.032	0.005	1088995
Anthracene	ug/g	0.025	0.005	1088995
Benzo(a)anthracene	ug/g	0.07	0.01	1088995
Benzo(a)pyrene	ug/g	0.046	0.005	1088995
Benzo(b/j)fluoranthene	ug/g	0.063	0.005	1088995
Benzo(g,h,i)perylene	ug/g	0.03	0.02	1088995
Benzo(k)fluoranthene	ug/g	0.02	0.01	1088995
Chrysene	ug/g	0.07	0.01	1088995
Dibenzo(a,h)anthracene	ug/g	ND	0.02	1088995
Fluoranthene	ug/g	0.11	0.005	1088995
Fluorene	ug/g	0.014	0.005	1088995
Indeno(1,2,3-cd)pyrene	ug/g	0.02	0.02	1088995
1-Methylnaphthalene	ug/g	0.50	0.005	1088995
2-Methylnaphthalene	ug/g	0.59	0.005	1088995
Naphthalene	ug/g	0.31	0.005	1088995
Phenanthrene	ug/g	0.36	0.005	1088995
Pyrene	ug/g	0.090	0.005	1088995
Surrogate Recovery (%)				
D10-Anthracene	%	92		1088995
D14-Terphenyl (FS)	%	102		1088995
D7-Quinoline	%	85		1088995
D8-Acenaphthylene	%	88		1088995

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6132
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID		P15647	P15649	P15653		
Sampling Date		2006/10/24	2006/10/24	2006/10/24		
COC Number		00457598	00457598	00457598		
	Units	**TH5-2**	**TH6-1**	**TH7-3**	**RDL**	**QC Batch**
F1 PHC and BTEX						
Benzene	ug/g	ND	ND	ND	0.02	1089614
Toluene	ug/g	ND	ND	0.66	0.02	1089614
Ethylbenzene	ug/g	ND	ND	0.19	0.02	1089614
o-Xylene	ug/g	ND	ND	0.78	0.02	1089614
p+m-Xylene	ug/g	ND	ND	1.1	0.04	1089614
Total Xylenes	ug/g	ND	ND	1.9	0.04	1089614
F1 (C6-C10)	ug/g	ND	ND	27	10	1089614
F1 (C6-C10) - BTEX	ug/g	ND	ND	24	10	1089614
F2-F4 PHC						
F2 (C10-C16 Hydrocarbons)	ug/g	ND	ND	19	10	1088792
F3 (C16-C34 Hydrocarbons)	ug/g	210	66	150	10	1088792
F4 (C34-C50 Hydrocarbons)	ug/g	470	190	13	10	1088792
Reached Baseline at C50	ug/g	No	No	Yes		1088792
Surrogate Recovery (%)						
1,4-Difluorobenzene	%	105	107	106		1089614
4-Bromofluorobenzene	%	94	94	96		1089614
D10-Ethylbenzene	%	102	102	99		1089614
D4-1,2-Dichloroethane	%	93	95	94		1089614
o-Terphenyl	%	77	89	85		1088792

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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GENERAL COMMENTS

Results relate only to the items tested.

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report

Maxxam Job Number: MA6B6132

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088622	WW	RPD	Moisture	2006/10/28	3.2		%	50
1088792	LSY	MATRIX SPIKE	o-Terphenyl	2006/10/29		87	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2006/10/29		87	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2006/10/29		87	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2006/10/29		87	%	60 - 130
		Spiked Blank	o-Terphenyl	2006/10/29		85	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2006/10/29		85	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2006/10/29		85	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2006/10/29		85	%	60 - 130
		Method Blank	o-Terphenyl	2006/10/29		81	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2006/10/29	ND, RDL=10		ug/g	
			F3 (C16-C34 Hydrocarbons)	2006/10/29	ND, RDL=10		ug/g	
			F4 (C34-C50 Hydrocarbons)	2006/10/29	ND, RDL=10		ug/g	
		RPD	F2 (C10-C16 Hydrocarbons)	2006/10/29	NC		%	50
			F3 (C16-C34 Hydrocarbons)	2006/10/29	NC		%	50
			F4 (C34-C50 Hydrocarbons)	2006/10/29	NC		%	50
1088995	MWG	MATRIX SPIKE	D10-Anthracene	2006/10/30		89	%	30 - 130
			D14-Terphenyl (FS)	2006/10/30		91	%	30 - 130
			D7-Quinoline	2006/10/30		74	%	30 - 130
			D8-Acenaphthylene	2006/10/30		75	%	30 - 130
			Acenaphthene	2006/10/30		78	%	30 - 130
			Acenaphthylene	2006/10/30		78	%	30 - 130
			Anthracene	2006/10/30		90	%	30 - 130
			Benzo(a)anthracene	2006/10/30		93	%	30 - 130
			Benzo(a)pyrene	2006/10/30		92	%	30 - 130
			Benzo(b/j)fluoranthene	2006/10/30		91	%	30 - 130
			Benzo(g,h,i)perylene	2006/10/30		81	%	30 - 130
			Benzo(k)fluoranthene	2006/10/30		99	%	30 - 130
			Chrysene	2006/10/30		96	%	30 - 130
			Dibenzo(a,h)anthracene	2006/10/30		87	%	30 - 130
			Fluoranthene	2006/10/30		89	%	30 - 130
			Fluorene	2006/10/30		82	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/10/30		87	%	30 - 130
			1-Methylnaphthalene	2006/10/30		71	%	30 - 130
			2-Methylnaphthalene	2006/10/30		74	%	30 - 130
			Naphthalene	2006/10/30		67	%	30 - 130
			Phenanthrene	2006/10/30		88	%	30 - 130
			Pyrene	2006/10/30		90	%	30 - 130
		Spiked Blank	D10-Anthracene	2006/10/30		100	%	30 - 130
			D14-Terphenyl (FS)	2006/10/30		98	%	30 - 130
			D7-Quinoline	2006/10/30		95	%	30 - 130
			D8-Acenaphthylene	2006/10/30		96	%	30 - 130
			Acenaphthene	2006/10/30		99	%	30 - 130
			Acenaphthylene	2006/10/30		102	%	30 - 130
			Anthracene	2006/10/30		103	%	30 - 130
			Benzo(a)anthracene	2006/10/30		102	%	30 - 130
			Benzo(a)pyrene	2006/10/30		105	%	30 - 130
			Benzo(b/j)fluoranthene	2006/10/30		102	%	30 - 130
			Benzo(g,h,i)perylene	2006/10/30		92	%	30 - 130
			Benzo(k)fluoranthene	2006/10/30		114	%	30 - 130
			Chrysene	2006/10/30		108	%	30 - 130
			Dibenzo(a,h)anthracene	2006/10/30		96	%	30 - 130
			Fluoranthene	2006/10/30		100	%	30 - 130
			Fluorene	2006/10/30		101	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/10/30		95	%	30 - 130

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6132

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088995	MWG	Spiked Blank	1-Methylnaphthalene	2006/10/30		93	%	30 - 130
			2-Methylnaphthalene	2006/10/30		100	%	30 - 130
			Naphthalene	2006/10/30		93	%	30 - 130
			Phenanthrene	2006/10/30		102	%	30 - 130
			Pyrene	2006/10/30		102	%	30 - 130
		Method Blank	D10-Anthracene	2006/10/30		93	%	30 - 130
			D14-Terphenyl (FS)	2006/10/30		100	%	30 - 130
			D7-Quinoline	2006/10/30		85	%	30 - 130
			D8-Acenaphthylene	2006/10/30		83	%	30 - 130
			Acenaphthene	2006/10/30	ND, RDL=0.01		ug/g	
			Acenaphthylene	2006/10/30	ND, RDL=0.005		ug/g	
			Anthracene	2006/10/30	ND, RDL=0.005		ug/g	
			Benzo(a)anthracene	2006/10/30	ND, RDL=0.01		ug/g	
			Benzo(a)pyrene	2006/10/30	ND, RDL=0.005		ug/g	
			Benzo(b/j)fluoranthene	2006/10/30	ND, RDL=0.005		ug/g	
			Benzo(g,h,i)perylene	2006/10/30	ND, RDL=0.02		ug/g	
			Benzo(k)fluoranthene	2006/10/30	ND, RDL=0.01		ug/g	
			Chrysene	2006/10/30	ND, RDL=0.01		ug/g	
			Dibenzo(a,h)anthracene	2006/10/30	ND, RDL=0.02		ug/g	
			Fluoranthene	2006/10/30	ND, RDL=0.005		ug/g	
			Fluorene	2006/10/30	ND, RDL=0.005		ug/g	
			Indeno(1,2,3-cd)pyrene	2006/10/30	ND, RDL=0.02		ug/g	
			1-Methylnaphthalene	2006/10/30	ND, RDL=0.005		ug/g	
			2-Methylnaphthalene	2006/10/30	ND, RDL=0.005		ug/g	
			Naphthalene	2006/10/30	ND, RDL=0.005		ug/g	
			Phenanthrene	2006/10/30	ND, RDL=0.005		ug/g	
			Pyrene	2006/10/30	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2006/10/30	5.4		%	N/A
			Acenaphthene	2006/10/30	NC		%	50
			Acenaphthylene	2006/10/30	NC		%	50
			Anthracene	2006/10/30	NC		%	50
			Benzo(a)anthracene	2006/10/30	NC		%	50
			Benzo(a)pyrene	2006/10/30	NC		%	50
			Benzo(b/j)fluoranthene	2006/10/30	NC		%	50
			Benzo(g,h,i)perylene	2006/10/30	NC		%	50
			Benzo(k)fluoranthene	2006/10/30	NC		%	50
			Chrysene	2006/10/30	NC		%	50
			Dibenzo(a,h)anthracene	2006/10/30	NC		%	50
			Fluoranthene	2006/10/30	NC		%	50
			Fluorene	2006/10/30	NC		%	50
			Indeno(1,2,3-cd)pyrene	2006/10/30	NC		%	50
			1-Methylnaphthalene	2006/10/30	NC		%	50
			2-Methylnaphthalene	2006/10/30	NC		%	50
			Naphthalene	2006/10/30	NC		%	50
			Phenanthrene	2006/10/30	NC		%	50
			Pyrene	2006/10/30	NC		%	50
1089614	SPV	MATRIX SPIKE	1,4-Difluorobenzene	2006/11/01		105	%	60 - 140
			4-Bromofluorobenzene	2006/11/01		96	%	60 - 140
			D10-Ethylbenzene	2006/11/01		97	%	30 - 130
			D4-1,2-Dichloroethane	2006/11/01		96	%	60 - 140
			Benzene	2006/11/01		87	%	60 - 140
			Toluene	2006/11/01		84	%	60 - 140
			Ethylbenzene	2006/11/01		84	%	60 - 140
			o-Xylene	2006/11/01		87	%	60 - 140
			p+m-Xylene	2006/11/01		87	%	60 - 140

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6132

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089614	SPV	MATRIX SPIKE	F1 (C6-C10)	2006/11/01		117	%	60 - 140
		Spiked Blank	1,4-Difluorobenzene	2006/11/01		107	%	60 - 140
			4-Bromofluorobenzene	2006/11/01		94	%	60 - 140
			D10-Ethylbenzene	2006/11/01		103	%	30 - 130
			D4-1,2-Dichloroethane	2006/11/01		97	%	60 - 140
			Benzene	2006/11/01		95	%	60 - 140
			Toluene	2006/11/01		90	%	60 - 140
			Ethylbenzene	2006/11/01		91	%	60 - 140
			o-Xylene	2006/11/01		93	%	60 - 140
			p+m-Xylene	2006/11/01		94	%	60 - 140
			F1 (C6-C10)	2006/11/01		126	%	60 - 140
		Method Blank	1,4-Difluorobenzene	2006/11/01		107	%	60 - 140
			4-Bromofluorobenzene	2006/11/01		93	%	60 - 140
			D10-Ethylbenzene	2006/11/01		101	%	30 - 130
			D4-1,2-Dichloroethane	2006/11/01		97	%	60 - 140
			Benzene	2006/11/01	ND, RDL=0.02		ug/g	
			Toluene	2006/11/01	ND, RDL=0.02		ug/g	
			Ethylbenzene	2006/11/01	ND, RDL=0.02		ug/g	
			o-Xylene	2006/11/01	ND, RDL=0.02		ug/g	
			p+m-Xylene	2006/11/01	ND, RDL=0.04		ug/g	
			Total Xylenes	2006/11/01	ND, RDL=0.04		ug/g	
			F1 (C6-C10)	2006/11/01	ND, RDL=10		ug/g	
			F1 (C6-C10) - BTEX	2006/11/01	ND, RDL=10		ug/g	
		RPD	F1 (C6-C10)	2006/11/01	NC		%	50
			F1 (C6-C10) - BTEX	2006/11/01	NC		%	50
1091406	OK	QC STANDARD	Total Organic Carbon	2006/11/01		99	%	20 - 120
		Method Blank	Total Organic Carbon	2006/11/01	ND, RDL=0.05		mg/kg	
		RPD [P15648-01]	Total Organic Carbon	2006/11/01	18.9		%	50

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample

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Validation Signature Page

Maxxam Job #: A6B6132

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

CHRISTINA NERVO, Scientific Services

MEDHAT RISKALLAH, Manager, Hydrocarbon Department

ALINA SEGAL, Instrumentation Supervisor

SUZANA POPOVIC, Supervisor, Hydrocarbons

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND
Your C.O.C. #: 00457599

Attention: Carla Reynolds
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2006/11/06

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A6B6188
Received: 2006/10/27, 13:45

Sample Matrix: Soil
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Chromium (VI) in Soil	2	2006/10/30	2006/10/30	Ont SOP 0104	EPA 7196
Chromium (VI) in Soil	1	2006/10/31	2006/10/31	Ont SOP 0104	EPA 7196
Mercury in Soil by CVAA	3	2006/10/30	2006/10/31	Ont SOP 0112	EPA 7470
Acid Extr. Metals (aqua regia) by ICPMS	3	2006/10/30	2006/10/31	CAM SOP-00447	EPA 6020
MOISTURE	3	N/A	2006/10/28	Ont SOP-0114	MOE HANDBOOK(1983)
MOISTURE	3	N/A	2006/10/30	Ont SOP-0114	MOE HANDBOOK(1983)
pH CaCl2 EXTRACT	3	N/A	2006/10/30	Ont SOP-0067	4500-H+B
Total Organic Carbon in Soil	5	N/A	2006/11/01		LECO
Volatile Organic Compounds in Soil	3	N/A	2006/10/31	Ont SOP-0806	EPA 8260 modified

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A6B6188
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		P15940	P15941		P15942	P15943		
Sampling Date		2006/10/24	2006/10/24		2006/10/24	2006/10/24		
COC Number		00457599	00457599		00457599	00457599		
	Units	**TH8-1**	**TH8-2**	**QC Batch**	**TH8-3**	**TH8-4**	**RDL**	**QC Batch**
INORGANICS								
Moisture	%		16	1089620	18		0.2	1088622
Total Organic Carbon	mg/kg	40000		1091406		41000	500	1091406
Available (CaCl2) pH	pH	7.56		1089186			N/A	

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		P15944		P15945		P15947		
Sampling Date		2006/10/24		2006/10/24		2006/10/24		
COC Number		00457599		00457599		00457599		
	Units	**TH9-1**	**QC Batch**	**TH9-2**	**QC Batch**	**TH10-1**	**RDL**	**QC Batch**
INORGANICS								
Moisture	%	9.3	1089620	16	1088622	26	0.2	1089620
Total Organic Carbon	mg/kg	50000	1091406			48000	500	1091406
Available (CaCl2) pH	pH	7.93	1089186			7.44	N/A	1089186

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		P15952	P15955		
Sampling Date		2006/10/24	2006/10/24		
COC Number		00457599	00457599		
	Units	**TH10-2**	**TH10-3**	**RDL**	**QC Batch**
INORGANICS					
Moisture	%	18		0.2	1088622
Total Organic Carbon	mg/kg		37000	500	1091406

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6188
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		P15942	P15945		P15952		
Sampling Date		2006/10/24	2006/10/24		2006/10/24		
COC Number		00457599	00457599		00457599		
	Units	**TH8-3**	**TH9-2**	**QC Batch**	**TH10-2**	**RDL**	**QC Batch**
METALS							
Acid Extractable Antimony (Sb)	ug/g	ND	ND	1089854	ND	0.2	1089854
Acid Extractable Arsenic (As)	ug/g	2	3	1089854	2	1	1089854
Acid Extractable Barium (Ba)	ug/g	16.7	18.7	1089854	13.6	0.5	1089854
Acid Extractable Beryllium (Be)	ug/g	0.2	0.4	1089854	0.3	0.2	1089854
Acid Extractable Cadmium (Cd)	ug/g	ND	ND	1089854	ND	0.1	1089854
Acid Extractable Chromium (Cr)	ug/g	11	13	1089854	12	1	1089854
Chromium (VI)	ug/g	ND	ND	1088893	ND	0.05	1089958
Acid Extractable Cobalt (Co)	ug/g	6.7	7.9	1089854	7.1	0.1	1089854
Acid Extractable Copper (Cu)	ug/g	12.8	11.6	1089854	12.1	0.5	1089854
Acid Extractable Lead (Pb)	ug/g	4	4	1089854	4	1	1089854
Acid Extractable Mercury (Hg)	ug/g	0.37	ND	1089857	ND	0.05	1089857
Acid Extractable Molybdenum (Mo)	ug/g	ND	ND	1089854	ND	0.5	1089854
Acid Extractable Nickel (Ni)	ug/g	13.6	16.2	1089854	15.1	0.5	1089854
Acid Extractable Selenium (Se)	ug/g	ND	ND	1089854	ND	0.5	1089854
Acid Extractable Silver (Ag)	ug/g	ND	ND	1089854	ND	0.2	1089854
Acid Extractable Thallium (Tl)	ug/g	ND	ND	1089854	ND	0.05	1089854
Acid Extractable Vanadium (V)	ug/g	14	16	1089854	15	5	1089854
Acid Extractable Zinc (Zn)	ug/g	34	33	1089854	30	5	1089854

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6188
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (SOIL)

Maxxam ID		P15941	P15944	P15947		
Sampling Date		2006/10/24	2006/10/24	2006/10/24		
COC Number		00457599	00457599	00457599		
	Units	**TH8-2**	**TH9-1**	**TH10-1**	**RDL**	**QC Batch**
VOLATILES						
Acetone (2-Propanone)	ug/g	ND	ND	ND	0.1	1089688
Benzene	ug/g	0.014	0.010	0.019	0.002	1089688
Bromodichloromethane	ug/g	ND	ND	ND	0.002	1089688
Bromoform	ug/g	ND	ND	ND	0.002	1089688
Bromomethane	ug/g	ND	ND	ND	0.003	1089688
Carbon Tetrachloride	ug/g	ND	ND	ND	0.002	1089688
Chlorobenzene	ug/g	ND	ND	ND	0.002	1089688
Chloroform	ug/g	ND	ND	ND	0.002	1089688
Dibromochloromethane	ug/g	ND	ND	ND	0.002	1089688
1,2-Dichlorobenzene	ug/g	ND	0.004	ND	0.002	1089688
1,3-Dichlorobenzene	ug/g	ND	ND	ND	0.002	1089688
1,4-Dichlorobenzene	ug/g	ND	ND	ND	0.002	1089688
1,1-Dichloroethane	ug/g	ND	ND	ND	0.002	1089688
1,2-Dichloroethane	ug/g	ND	ND	ND	0.002	1089688
1,1-Dichloroethylene	ug/g	ND	ND	ND	0.002	1089688
cis-1,2-Dichloroethylene	ug/g	ND	ND	ND	0.002	1089688
trans-1,2-Dichloroethylene	ug/g	ND	ND	ND	0.002	1089688
1,2-Dichloropropane	ug/g	ND	ND	ND	0.002	1089688
cis-1,3-Dichloropropene	ug/g	ND	ND	ND	0.002	1089688
trans-1,3-Dichloropropene	ug/g	ND	ND	ND	0.002	1089688
Ethylbenzene	ug/g	0.010	0.007	0.009	0.002	1089688
Ethylene Dibromide	ug/g	ND	ND	ND	0.002	1089688
Methylene Chloride(Dichloromethane)	ug/g	ND	ND	ND	0.003	1089688
Methyl Isobutyl Ketone	ug/g	ND	ND	ND	0.025	1089688
Methyl Ethyl Ketone (2-Butanone)	ug/g	ND	ND	ND	0.025	1089688
Methyl t-butyl ether (MTBE)	ug/g	ND	ND	ND	0.002	1089688
Styrene	ug/g	ND	ND	ND	0.002	1089688
1,1,1,2-Tetrachloroethane	ug/g	ND	ND	ND	0.002	1089688
1,1,2,2-Tetrachloroethane	ug/g	ND	ND	ND	0.002	1089688
Tetrachloroethylene	ug/g	ND	ND	ND	0.002	1089688
Toluene	ug/g	0.022	0.019	0.029	0.002	1089688

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A6B6188
Report Date: 2006/11/06

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (SOIL)

Maxxam ID		P15941	P15944	P15947		
Sampling Date		2006/10/24	2006/10/24	2006/10/24		
COC Number		00457599	00457599	00457599		
	Units	**TH8-2**	**TH9-1**	**TH10-1**	**RDL**	**QC Batch**
1,1,1-Trichloroethane	ug/g	ND	ND	ND	0.002	1089688
1,1,2-Trichloroethane	ug/g	ND	ND	ND	0.002	1089688
Trichloroethylene	ug/g	ND	ND	ND	0.002	1089688
Vinyl Chloride	ug/g	ND	ND	ND	0.002	1089688
p+m-Xylene	ug/g	0.007	0.009	0.008	0.002	1089688
o-Xylene	ug/g	0.002	0.003	0.003	0.002	1089688
Xylene (Total)	ug/g	0.010	0.012	0.010	0.002	1089688
Surrogate Recovery (%)						
4-Bromofluorobenzene	%	95	82	75		1089688
D4-1,2-Dichloroethane	%	90	87	89		1089688
D8-Toluene	%	108	123	124		1089688

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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GENERAL COMMENTS

Results relate only to the items tested.

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report

Maxxam Job Number: MA6B6188

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088622	WW	RPD [P15952-01]	Moisture	2006/10/28	2.2		%	50
1088893	VRO	MATRIX SPIKE						
		[P15942-01]	Chromium (VI)	2006/10/30		89	%	75 - 125
		QC STANDARD	Chromium (VI)	2006/10/30		94	%	85 - 115
		Spiked Blank	Chromium (VI)	2006/10/30		101	%	75 - 125
		Method Blank	Chromium (VI)	2006/10/30	ND, RDL=0.05		ug/g	
		RPD [P15942-01]	Chromium (VI)	2006/10/30	NC		%	35
1089620	VPA	RPD [P15941-01]	Moisture	2006/10/30	9.6		%	50
1089688	RZH	MATRIX SPIKE	4-Bromofluorobenzene	2006/10/31		92	%	60 - 140
			D4-1,2-Dichloroethane	2006/10/31		99	%	60 - 140
			D8-Toluene	2006/10/31		105	%	60 - 140
			Acetone (2-Propanone)	2006/10/31		90	%	24 - 171
			Benzene	2006/10/31		74	%	39 - 137
			Bromodichloromethane	2006/10/31		88	%	45 - 131
			Bromoform	2006/10/31		69	%	44 - 131
			Bromomethane	2006/10/31		76	%	20 - 146
			Carbon Tetrachloride	2006/10/31		91	%	40 - 139
			Chlorobenzene	2006/10/31		89	%	45 - 140
			Chloroform	2006/10/31		88	%	48 - 128
			Dibromochloromethane	2006/10/31		81	%	52 - 135
			1,2-Dichlorobenzene	2006/10/31		86	%	39 - 145
			1,3-Dichlorobenzene	2006/10/31		85	%	38 - 158
			1,4-Dichlorobenzene	2006/10/31		85	%	35 - 159
			1,1-Dichloroethane	2006/10/31		91	%	48 - 131
			1,2-Dichloroethane	2006/10/31		92	%	43 - 123
			1,1-Dichloroethylene	2006/10/31		95	%	50 - 134
			cis-1,2-Dichloroethylene	2006/10/31		93	%	45 - 136
			trans-1,2-Dichloroethylene	2006/10/31		94	%	45 - 138
			1,2-Dichloropropane	2006/10/31		89	%	51 - 130
			cis-1,3-Dichloropropene	2006/10/31		94	%	39 - 143
			trans-1,3-Dichloropropene	2006/10/31		93	%	33 - 135
			Ethylbenzene	2006/10/31		89	%	46 - 150
			Ethylene Dibromide	2006/10/31		100	%	48 - 136
			Methylene Chloride(Dichloromethane)	2006/10/31		NC (1)	%	47 - 124
			Methyl Isobutyl Ketone	2006/10/31		83	%	48 - 133
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31		114	%	39 - 160
			Methyl t-butyl ether (MTBE)	2006/10/31		92	%	37 - 150
			Styrene	2006/10/31		90	%	27 - 148
			1,1,1,2-Tetrachloroethane	2006/10/31		94	%	51 - 140
			1,1,2,2-Tetrachloroethane	2006/10/31		98	%	46 - 128
			Tetrachloroethylene	2006/10/31		97	%	45 - 154
			Toluene	2006/10/31		71	%	30 - 158
			1,1,1-Trichloroethane	2006/10/31		94	%	44 - 136
			1,1,2-Trichloroethane	2006/10/31		100	%	56 - 135
			Trichloroethylene	2006/10/31		93	%	39 - 146
			Vinyl Chloride	2006/10/31		70	%	34 - 136
			p+m-Xylene	2006/10/31		88	%	29 - 161
			o-Xylene	2006/10/31		84	%	45 - 150
		Spiked Blank	4-Bromofluorobenzene	2006/10/31		104	%	60 - 140
			D4-1,2-Dichloroethane	2006/10/31		95	%	60 - 140
			D8-Toluene	2006/10/31		101	%	60 - 140
			Acetone (2-Propanone)	2006/10/31		83	%	60 - 140
			Benzene	2006/10/31		107	%	60 - 140
			Bromodichloromethane	2006/10/31		105	%	60 - 140
			Bromoform	2006/10/31		115	%	60 - 140

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Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6188

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089688	RZH	Spiked Blank	Bromomethane	2006/10/31		105	%	60 - 140
			Carbon Tetrachloride	2006/10/31		110	%	60 - 140
			Chlorobenzene	2006/10/31		109	%	60 - 140
			Chloroform	2006/10/31		104	%	60 - 140
			Dibromochloromethane	2006/10/31		112	%	60 - 140
			1,2-Dichlorobenzene	2006/10/31		112	%	60 - 140
			1,3-Dichlorobenzene	2006/10/31		118	%	60 - 140
			1,4-Dichlorobenzene	2006/10/31		120	%	60 - 140
			1,1-Dichloroethane	2006/10/31		103	%	60 - 140
			1,2-Dichloroethane	2006/10/31		100	%	60 - 140
			1,1-Dichloroethylene	2006/10/31		108	%	60 - 140
			cis-1,2-Dichloroethylene	2006/10/31		110	%	60 - 140
			trans-1,2-Dichloroethylene	2006/10/31		111	%	60 - 140
			1,2-Dichloropropane	2006/10/31		102	%	60 - 140
			cis-1,3-Dichloropropene	2006/10/31		120	%	60 - 140
			trans-1,3-Dichloropropene	2006/10/31		118	%	60 - 140
			Ethylbenzene	2006/10/31		120	%	60 - 140
			Ethylene Dibromide	2006/10/31		104	%	60 - 140
			Methylene Chloride(Dichloromethane)	2006/10/31		101	%	60 - 140
			Methyl Isobutyl Ketone	2006/10/31		93	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31		89	%	60 - 140
			Methyl t-butyl ether (MTBE)	2006/10/31		119	%	60 - 140
			Styrene	2006/10/31		114	%	60 - 140
			1,1,1,2-Tetrachloroethane	2006/10/31		113	%	60 - 140
			1,1,2,2-Tetrachloroethane	2006/10/31		104	%	60 - 140
			Tetrachloroethylene	2006/10/31		116	%	60 - 140
			Toluene	2006/10/31		107	%	60 - 140
			1,1,1-Trichloroethane	2006/10/31		107	%	60 - 140
			1,1,2-Trichloroethane	2006/10/31		105	%	60 - 140
			Trichloroethylene	2006/10/31		116	%	60 - 140
			Vinyl Chloride	2006/10/31		94	%	60 - 140
			p+m-Xylene	2006/10/31		124	%	60 - 140
			o-Xylene	2006/10/31		119	%	60 - 140
		Method Blank	4-Bromofluorobenzene	2006/10/31		102	%	60 - 140
			D4-1,2-Dichloroethane	2006/10/31		94	%	60 - 140
			D8-Toluene	2006/10/31		103	%	60 - 140
			Acetone (2-Propanone)	2006/10/31	ND, RDL=0.1		ug/g	
			Benzene	2006/10/31	ND, RDL=0.002		ug/g	
			Bromodichloromethane	2006/10/31	ND, RDL=0.002		ug/g	
			Bromoform	2006/10/31	ND, RDL=0.002		ug/g	
			Bromomethane	2006/10/31	ND, RDL=0.003		ug/g	
			Carbon Tetrachloride	2006/10/31	ND, RDL=0.002		ug/g	
			Chlorobenzene	2006/10/31	ND, RDL=0.002		ug/g	
			Chloroform	2006/10/31	ND, RDL=0.002		ug/g	
			Dibromochloromethane	2006/10/31	ND, RDL=0.002		ug/g	
			1,2-Dichlorobenzene	2006/10/31	ND, RDL=0.002		ug/g	
			1,3-Dichlorobenzene	2006/10/31	ND, RDL=0.002		ug/g	
			1,4-Dichlorobenzene	2006/10/31	ND, RDL=0.002		ug/g	
			1,1-Dichloroethane	2006/10/31	ND, RDL=0.002		ug/g	
			1,2-Dichloroethane	2006/10/31	ND, RDL=0.002		ug/g	
			1,1-Dichloroethylene	2006/10/31	ND, RDL=0.002		ug/g	
			cis-1,2-Dichloroethylene	2006/10/31	ND, RDL=0.002		ug/g	
			trans-1,2-Dichloroethylene	2006/10/31	ND, RDL=0.002		ug/g	
			1,2-Dichloropropane	2006/10/31	ND, RDL=0.002		ug/g	
			cis-1,3-Dichloropropene	2006/10/31	ND, RDL=0.002		ug/g	

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Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6188

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089688	RZH	Method Blank	trans-1,3-Dichloropropene	2006/10/31	ND, RDL=0.002		ug/g	
			Ethylbenzene	2006/10/31	ND, RDL=0.002		ug/g	
			Ethylene Dibromide	2006/10/31	ND, RDL=0.002		ug/g	
			Methylene Chloride(Dichloromethane)	2006/10/31	ND, RDL=0.003		ug/g	
			Methyl Isobutyl Ketone	2006/10/31	ND, RDL=0.025		ug/g	
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31	ND, RDL=0.025		ug/g	
			Methyl t-butyl ether (MTBE)	2006/10/31	ND, RDL=0.002		ug/g	
			Styrene	2006/10/31	ND, RDL=0.002		ug/g	
			1,1,1,2-Tetrachloroethane	2006/10/31	ND, RDL=0.002		ug/g	
			1,1,2,2-Tetrachloroethane	2006/10/31	ND, RDL=0.002		ug/g	
			Tetrachloroethylene	2006/10/31	ND, RDL=0.002		ug/g	
			Toluene	2006/10/31	ND, RDL=0.002		ug/g	
			1,1,1-Trichloroethane	2006/10/31	ND, RDL=0.002		ug/g	
			1,1,2-Trichloroethane	2006/10/31	ND, RDL=0.002		ug/g	
			Trichloroethylene	2006/10/31	ND, RDL=0.002		ug/g	
			Vinyl Chloride	2006/10/31	ND, RDL=0.002		ug/g	
			p+m-Xylene	2006/10/31	ND, RDL=0.002		ug/g	
			o-Xylene	2006/10/31	ND, RDL=0.002		ug/g	
			Xylene (Total)	2006/10/31	ND, RDL=0.002		ug/g	
		RPD	Acetone (2-Propanone)	2006/10/31	NC		%	50
			Benzene	2006/10/31	4.4		%	50
			Bromodichloromethane	2006/10/31	NC		%	50
			Bromoform	2006/10/31	NC		%	50
			Bromomethane	2006/10/31	NC		%	50
			Carbon Tetrachloride	2006/10/31	NC		%	50
			Chlorobenzene	2006/10/31	NC		%	50
			Chloroform	2006/10/31	NC		%	50
			Dibromochloromethane	2006/10/31	NC		%	50
			1,2-Dichlorobenzene	2006/10/31	NC		%	50
			1,3-Dichlorobenzene	2006/10/31	NC		%	50
			1,4-Dichlorobenzene	2006/10/31	NC		%	50
			1,1-Dichloroethane	2006/10/31	NC		%	50
			1,2-Dichloroethane	2006/10/31	NC		%	50
			1,1-Dichloroethylene	2006/10/31	NC		%	50
			cis-1,2-Dichloroethylene	2006/10/31	NC		%	50
			trans-1,2-Dichloroethylene	2006/10/31	NC		%	50
			1,2-Dichloropropane	2006/10/31	NC		%	50
			cis-1,3-Dichloropropene	2006/10/31	NC		%	50
			trans-1,3-Dichloropropene	2006/10/31	NC		%	50
			Ethylbenzene	2006/10/31	NC		%	50
			Ethylene Dibromide	2006/10/31	NC		%	50
			Methylene Chloride(Dichloromethane)	2006/10/31	3.0		%	50
			Methyl Isobutyl Ketone	2006/10/31	NC		%	50
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31	NC		%	50
			Methyl t-butyl ether (MTBE)	2006/10/31	NC		%	50
			Styrene	2006/10/31	NC		%	50
			1,1,1,2-Tetrachloroethane	2006/10/31	NC		%	50
			1,1,2,2-Tetrachloroethane	2006/10/31	NC		%	50
			Tetrachloroethylene	2006/10/31	NC		%	50
			Toluene	2006/10/31	4.9		%	50
			1,1,1-Trichloroethane	2006/10/31	NC		%	50
			1,1,2-Trichloroethane	2006/10/31	NC		%	50
			Trichloroethylene	2006/10/31	NC		%	50
			Vinyl Chloride	2006/10/31	NC		%	50
			p+m-Xylene	2006/10/31	NC		%	50

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Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6188

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089688	RZH	RPD	o-Xylene	2006/10/31	NC		%	50
			Xylene (Total)	2006/10/31	NC		%	50
1089854	VIV	MATRIX SPIKE	Acid Extractable Antimony (Sb)	2006/10/31		90	%	75 - 125
			Acid Extractable Arsenic (As)	2006/10/31		101	%	75 - 125
			Acid Extractable Barium (Ba)	2006/10/31		109	%	75 - 125
			Acid Extractable Beryllium (Be)	2006/10/31		88	%	75 - 125
			Acid Extractable Cadmium (Cd)	2006/10/31		104	%	75 - 125
			Acid Extractable Chromium (Cr)	2006/10/31		105	%	75 - 125
			Acid Extractable Cobalt (Co)	2006/10/31		100	%	75 - 125
			Acid Extractable Copper (Cu)	2006/10/31		98	%	75 - 125
			Acid Extractable Lead (Pb)	2006/10/31		104	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2006/10/31		99	%	75 - 125
			Acid Extractable Nickel (Ni)	2006/10/31		99	%	75 - 125
			Acid Extractable Selenium (Se)	2006/10/31		101	%	75 - 125
			Acid Extractable Silver (Ag)	2006/10/31		101	%	75 - 125
			Acid Extractable Thallium (Tl)	2006/10/31		99	%	75 - 125
			Acid Extractable Vanadium (V)	2006/10/31		99	%	75 - 125
			Acid Extractable Zinc (Zn)	2006/10/31		87	%	75 - 125
		QC STANDARD	Acid Extractable Antimony (Sb)	2006/10/31		93	%	75 - 125
			Acid Extractable Arsenic (As)	2006/10/31		121	%	75 - 125
			Acid Extractable Barium (Ba)	2006/10/31		101	%	75 - 125
			Acid Extractable Beryllium (Be)	2006/10/31		86	%	75 - 125
			Acid Extractable Cadmium (Cd)	2006/10/31		99	%	75 - 125
			Acid Extractable Chromium (Cr)	2006/10/31		95	%	75 - 125
			Acid Extractable Cobalt (Co)	2006/10/31		105	%	75 - 125
			Acid Extractable Copper (Cu)	2006/10/31		113	%	75 - 125
			Acid Extractable Lead (Pb)	2006/10/31		105	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2006/10/31		117	%	75 - 125
			Acid Extractable Nickel (Ni)	2006/10/31		114	%	75 - 125
			Acid Extractable Selenium (Se)	2006/10/31		65	%	50 - 150
			Acid Extractable Silver (Ag)	2006/10/31		80	%	75 - 125
			Acid Extractable Thallium (Tl)	2006/10/31		96	%	75 - 125
			Acid Extractable Vanadium (V)	2006/10/31		108	%	75 - 125
			Acid Extractable Zinc (Zn)	2006/10/31		121	%	75 - 125
		Method Blank	Acid Extractable Antimony (Sb)	2006/10/31	ND, RDL=0.2		ug/g	
			Acid Extractable Arsenic (As)	2006/10/31	ND, RDL=1		ug/g	
			Acid Extractable Barium (Ba)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Beryllium (Be)	2006/10/31	ND, RDL=0.2		ug/g	
			Acid Extractable Cadmium (Cd)	2006/10/31	ND, RDL=0.1		ug/g	
			Acid Extractable Chromium (Cr)	2006/10/31	ND, RDL=1		ug/g	
			Acid Extractable Cobalt (Co)	2006/10/31	ND, RDL=0.1		ug/g	
			Acid Extractable Copper (Cu)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Lead (Pb)	2006/10/31	ND, RDL=1		ug/g	
			Acid Extractable Molybdenum (Mo)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Nickel (Ni)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Selenium (Se)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Silver (Ag)	2006/10/31	ND, RDL=0.2		ug/g	
			Acid Extractable Thallium (Tl)	2006/10/31	ND, RDL=0.05		ug/g	
			Acid Extractable Vanadium (V)	2006/10/31	ND, RDL=5		ug/g	
			Acid Extractable Zinc (Zn)	2006/10/31	ND, RDL=5		ug/g	
		RPD	Acid Extractable Antimony (Sb)	2006/10/31	NC		%	35
			Acid Extractable Arsenic (As)	2006/10/31	4.6		%	35
			Acid Extractable Barium (Ba)	2006/10/31	3.5		%	35
			Acid Extractable Beryllium (Be)	2006/10/31	NC		%	35
			Acid Extractable Cadmium (Cd)	2006/10/31	NC		%	35

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6188

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089854	VIV	RPD	Acid Extractable Chromium (Cr)	2006/10/31	3.8		%	35
			Acid Extractable Cobalt (Co)	2006/10/31	7.3		%	35
			Acid Extractable Copper (Cu)	2006/10/31	10		%	35
			Acid Extractable Lead (Pb)	2006/10/31	5.9		%	35
			Acid Extractable Molybdenum (Mo)	2006/10/31	NC		%	35
			Acid Extractable Nickel (Ni)	2006/10/31	5.2		%	35
			Acid Extractable Selenium (Se)	2006/10/31	NC		%	35
			Acid Extractable Silver (Ag)	2006/10/31	NC		%	35
			Acid Extractable Thallium (Tl)	2006/10/31	NC		%	35
			Acid Extractable Vanadium (V)	2006/10/31	NC		%	35
			Acid Extractable Zinc (Zn)	2006/10/31	9.6		%	35
1089857	MC	MATRIX SPIKE	Acid Extractable Mercury (Hg)	2006/10/31		96	%	75 - 125
		QC STANDARD	Acid Extractable Mercury (Hg)	2006/10/31		104	%	75 - 125
		Method Blank	Acid Extractable Mercury (Hg)	2006/10/31	ND, RDL=0.05		ug/g	
		RPD	Acid Extractable Mercury (Hg)	2006/10/31	NC		%	35
1089958	VRO	MATRIX SPIKE	Chromium (VI)	2006/10/31		80	%	75 - 125
		QC STANDARD	Chromium (VI)	2006/10/31		90	%	85 - 115
		Spiked Blank	Chromium (VI)	2006/10/31		98	%	75 - 125
		Method Blank	Chromium (VI)	2006/10/31	ND, RDL=0.05		ug/g	
		RPD	Chromium (VI)	2006/10/31	NC		%	35
1091406	OK	QC STANDARD	Total Organic Carbon	2006/11/01		99	%	20 - 120
		Method Blank	Total Organic Carbon	2006/11/01	ND, RDL=0.05		mg/kg	
		RPD	Total Organic Carbon	2006/11/01	18.9		%	50

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample
(1) The recovery in the matrix spike was not calculated since the spiking level was < 2x the native concentration.

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Validation Signature Page

Maxxam Job #: A6B6188

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

TROY CARRIERE, B.Sc., Scientific Specialist

==========

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND
Your C.O.C. #: 00457611

Attention: Carla Reynolds
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2006/11/02

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A6B6262
Received: 2006/10/27, 13:45

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Hot Water Extractable Boron	1	2006/10/30	2006/11/01	Ont SOP 0102	EPA 3050B
Acid Extr. Metals (aqua regia) by ICPMS	1	2006/10/30	2006/10/31	CAM SOP-00447	EPA 6020

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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Total cover pages: 1

Maxxam Job #: A6B6262
Report Date: 2006/11/02

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		P16178		
Sampling Date		2006/10/25		
COC Number		00457611		
	Units	**SM1**	**RDL**	**QC Batch**
METALS				
Acid Extractable Arsenic (As)	ug/g	13	1	1089853
Hot Water Ext. Boron (B)	ug/g	0.44	0.01	1089722
Acid Extractable Copper (Cu)	ug/g	251	0.5	1089853
Acid Extractable Lead (Pb)	ug/g	398	1	1089853
Acid Extractable Molybdenum (Mo)	ug/g	57.9	0.5	1089853
Acid Extractable Nickel (Ni)	ug/g	170	2.5	1089853

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6262
Report Date: 2006/11/02

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Sample P16178-01: ICP/MS: Ni DL was raised due to matrix interferences.

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report

Maxxam Job Number: MA6B6262

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1089722	ADA	QC STANDARD	Hot Water Ext. Boron (B)	2006/11/01		106	%	77 - 121
		Method Blank	Hot Water Ext. Boron (B)	2006/11/01	ND, RDL=0.01		ug/g	
1089853	VIV	MATRIX SPIKE	Acid Extractable Arsenic (As)	2006/10/31		99	%	75 - 125
			Acid Extractable Copper (Cu)	2006/10/31		97	%	75 - 125
			Acid Extractable Lead (Pb)	2006/10/31		99	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2006/10/31		103	%	75 - 125
			Acid Extractable Nickel (Ni)	2006/10/31		99	%	75 - 125
		QC STANDARD	Acid Extractable Arsenic (As)	2006/10/31		119	%	75 - 125
			Acid Extractable Copper (Cu)	2006/10/31		114	%	75 - 125
			Acid Extractable Lead (Pb)	2006/10/31		111	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2006/10/31		125	%	75 - 125
			Acid Extractable Nickel (Ni)	2006/10/31		119	%	75 - 125
		Method Blank	Acid Extractable Arsenic (As)	2006/10/31	ND, RDL=1		ug/g	
			Acid Extractable Copper (Cu)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Lead (Pb)	2006/10/31	ND, RDL=1		ug/g	
			Acid Extractable Molybdenum (Mo)	2006/10/31	ND, RDL=0.5		ug/g	
			Acid Extractable Nickel (Ni)	2006/10/31	ND, RDL=0.5		ug/g	
		RPD	Acid Extractable Arsenic (As)	2006/10/31	NC		%	35
			Acid Extractable Copper (Cu)	2006/10/31	0.08		%	35
			Acid Extractable Lead (Pb)	2006/10/31	NC		%	35
			Acid Extractable Molybdenum (Mo)	2006/10/31	NC		%	35
			Acid Extractable Nickel (Ni)	2006/10/31	4.4		%	35

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard

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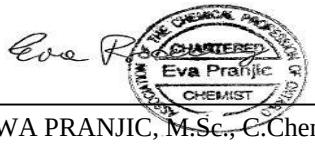
Validation Signature Page

Maxxam Job #: A6B6262

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



EWA PRANJIC, M.Sc., C.Chem, Scientific Specialist

==========

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND
Your C.O.C. #: 00457610

Attention: Carla Reynolds
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/07/12

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A6B6181
Received: 2006/10/27, 13:45

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Dissolved Metals by ICPMS	2	N/A	2006/11/01	CAM SOP-00447	EPA 6020
Dissolved Metals by ICPMS	1	N/A	2006/11/02	CAM SOP-00447	EPA 6020
PAH Compounds in Water by GC/MS (SIM)	2	2006/10/31	2006/10/31	EPA 8270	GC/MS
Volatile Organic Compounds in Water	3	N/A	2006/10/31	CAM SOP 0226	EPA 8260 modified

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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Total cover pages: 1

Maxxam Job #: A6B6181
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		P15906		P15907		
Sampling Date		2006/10/26 11:00		2006/10/26 11:50		
COC Number		00457610		00457610		
	Units	**TH8**	**QC Batch**	**TH9**	**RDL**	**QC Batch**
METALS						
Dissolved Antimony (Sb)	ug/L	ND	1091424	ND	1	1092303
Dissolved Arsenic (As)	ug/L	ND	1091424	2	1	1092303
Dissolved Barium (Ba)	ug/L	99	1091424	310	5	1092303
Dissolved Beryllium (Be)	ug/L	ND	1091424	ND	0.5	1092303
Dissolved Boron (B)	ug/L	140	1091424	490	10	1092303
Dissolved Cadmium (Cd)	ug/L	0.1	1091424	ND	0.1	1092303
Dissolved Chromium (Cr)	ug/L	ND	1091424	ND	5	1092303
Dissolved Cobalt (Co)	ug/L	3.1	1091424	18	0.5	1092303
Dissolved Copper (Cu)	ug/L	3	1091424	1	1	1092303
Dissolved Lead (Pb)	ug/L	ND	1091424	ND	0.5	1092303
Dissolved Molybdenum (Mo)	ug/L	1	1091424	3	1	1092303
Dissolved Nickel (Ni)	ug/L	3	1091424	4	1	1092303
Dissolved Selenium (Se)	ug/L	ND	1091424	ND	2	1092303
Dissolved Silver (Ag)	ug/L	ND	1091424	ND	0.1	1092303
Dissolved Thallium (Tl)	ug/L	ND	1091424	ND	0.05	1092303
Dissolved Vanadium (V)	ug/L	ND	1091424	ND	1	1092303
Dissolved Zinc (Zn)	ug/L	860	1091424	45	5	1092303

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6181
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		P15908		
Sampling Date		2006/10/26 12:30		
COC Number		00457610		
	Units	**TH10**	**RDL**	**QC Batch**
METALS				
Dissolved Antimony (Sb)	ug/L	ND	1	1091424
Dissolved Arsenic (As)	ug/L	ND	1	1091424
Dissolved Barium (Ba)	ug/L	120	5	1091424
Dissolved Beryllium (Be)	ug/L	ND	0.5	1091424
Dissolved Boron (B)	ug/L	220	10	1091424
Dissolved Cadmium (Cd)	ug/L	ND	0.1	1091424
Dissolved Chromium (Cr)	ug/L	ND	5	1091424
Dissolved Cobalt (Co)	ug/L	3.6	0.5	1091424
Dissolved Copper (Cu)	ug/L	ND	1	1091424
Dissolved Lead (Pb)	ug/L	ND	0.5	1091424
Dissolved Molybdenum (Mo)	ug/L	4	1	1091424
Dissolved Nickel (Ni)	ug/L	1	1	1091424
Dissolved Selenium (Se)	ug/L	ND	2	1091424
Dissolved Silver (Ag)	ug/L	ND	0.1	1091424
Dissolved Thallium (Tl)	ug/L	ND	0.05	1091424
Dissolved Vanadium (V)	ug/L	ND	1	1091424
Dissolved Zinc (Zn)	ug/L	ND	5	1091424

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6181
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		P15909	P15910		
Sampling Date		2006/10/25	2006/10/25		
COC Number		00457610	00457610		
	Units	**MW 101**	**MW 109**	**RDL**	**QC Batch**
PAHs					
Acenaphthene	ug/L	ND	ND	0.05	1090684
Acenaphthylene	ug/L	ND	ND	0.05	1090684
Anthracene	ug/L	ND	ND	0.05	1090684
Benzo(a)anthracene	ug/L	ND	ND	0.05	1090684
Benzo(a)pyrene	ug/L	ND	ND	0.01	1090684
Benzo(b/j)fluoranthene	ug/L	ND	ND	0.05	1090684
Benzo(g,h,i)perylene	ug/L	ND	ND	0.1	1090684
Benzo(k)fluoranthene	ug/L	ND	ND	0.05	1090684
Chrysene	ug/L	ND	ND	0.05	1090684
Dibenz(a,h)anthracene	ug/L	ND	ND	0.1	1090684
Fluoranthene	ug/L	ND	ND	0.05	1090684
Fluorene	ug/L	ND	ND	0.05	1090684
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	0.1	1090684
1-Methylnaphthalene	ug/L	ND	ND	0.05	1090684
2-Methylnaphthalene	ug/L	ND	ND	0.05	1090684
Naphthalene	ug/L	ND	ND	0.05	1090684
Phenanthrene	ug/L	ND	ND	0.05	1090684
Pyrene	ug/L	ND	ND	0.05	1090684
Surrogate Recovery (%)					
D10-Anthracene	%	59	68		1090684
D14-Terphenyl (FS)	%	78	93		1090684
D7-Quinoline	%	61	68		1090684
D8-Acenaphthylene	%	60	67		1090684

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A6B6181
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		P15906	P15907	P15908		
Sampling Date		2006/10/26 11:00	2006/10/26 11:50	2006/10/26 12:30		
COC Number		00457610	00457610	00457610		
	Units	**TH8**	**TH9**	**TH10**	**RDL**	**QC Batch**
VOLATILES						
Acetone (2-Propanone)	ug/L	ND	24	12	10	1088754
Benzene	ug/L	0.1	0.3	0.2	0.1	1088754
Bromodichloromethane	ug/L	ND	ND	ND	0.1	1088754
Bromoform	ug/L	ND	ND	ND	0.2	1088754
Bromomethane	ug/L	ND	ND	ND	0.5	1088754
Carbon Tetrachloride	ug/L	ND	ND	ND	0.1	1088754
Chlorobenzene	ug/L	ND	ND	ND	0.1	1088754
Chloroform	ug/L	ND	ND	ND	0.1	1088754
Dibromochloromethane	ug/L	ND	ND	ND	0.2	1088754
1,2-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1088754
1,3-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1088754
1,4-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1088754
1,1-Dichloroethane	ug/L	ND	ND	ND	0.1	1088754
1,2-Dichloroethane	ug/L	ND	ND	ND	0.1	1088754
1,1-Dichloroethylene	ug/L	ND	ND	ND	0.1	1088754
cis-1,2-Dichloroethylene	ug/L	ND	ND	ND	0.1	1088754
trans-1,2-Dichloroethylene	ug/L	ND	ND	ND	0.1	1088754
1,2-Dichloropropane	ug/L	ND	ND	ND	0.1	1088754
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	0.2	1088754
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	0.2	1088754
Ethylbenzene	ug/L	ND	ND	ND	0.1	1088754
Ethylene Dibromide	ug/L	ND	ND	ND	0.2	1088754
Methylene Chloride(Dichloromethane)	ug/L	ND	ND	ND	0.5	1088754
Methyl Isobutyl Ketone	ug/L	ND	ND	ND	5	1088754
Methyl Ethyl Ketone (2-Butanone)	ug/L	ND	ND	ND	5	1088754
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	ND	0.2	1088754
Styrene	ug/L	ND	ND	ND	0.1	1088754
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	0.1	1088754
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	0.1	1088754
Tetrachloroethylene	ug/L	ND	ND	ND	0.1	1088754

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A6B6181
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		P15906	P15907	P15908		
Sampling Date		2006/10/26 11:00	2006/10/26 11:50	2006/10/26 12:30		
COC Number		00457610	00457610	00457610		
	Units	**TH8**	**TH9**	**TH10**	**RDL**	**QC Batch**
Toluene	ug/L	ND	6.7	2.1	0.2	1088754
1,1,1-Trichloroethane	ug/L	ND	ND	ND	0.1	1088754
1,1,2-Trichloroethane	ug/L	ND	ND	ND	0.2	1088754
Trichloroethylene	ug/L	ND	ND	ND	0.1	1088754
Vinyl Chloride	ug/L	ND	ND	ND	0.2	1088754
p+m-Xylene	ug/L	ND	0.1	ND	0.1	1088754
o-Xylene	ug/L	ND	ND	ND	0.1	1088754
Xylene (Total)	ug/L	ND	0.1	ND	0.1	1088754
Surrogate Recovery (%)						
4-Bromofluorobenzene	%	87	89	86		1088754
D4-1,2-Dichloroethane	%	107	103	103		1088754
D8-Toluene	%	95	96	96		1088754

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A6B6181
Report Date: 2007/07/12

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report

Maxxam Job Number: MA6B6181

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088754	SCO	MATRIX SPIKE	4-Bromofluorobenzene	2006/10/31		96	%	70 - 130
			D4-1,2-Dichloroethane	2006/10/31		102	%	70 - 130
			D8-Toluene	2006/10/31		98	%	70 - 130
			Acetone (2-Propanone)	2006/10/31		102	%	60 - 140
			Benzene	2006/10/31		110	%	70 - 130
			Bromodichloromethane	2006/10/31		108	%	70 - 130
			Bromoform	2006/10/31		86	%	70 - 130
			Bromomethane	2006/10/31		100	%	60 - 140
			Carbon Tetrachloride	2006/10/31		112	%	70 - 130
			Chlorobenzene	2006/10/31		97	%	70 - 130
			Chloroform	2006/10/31		106	%	70 - 130
			Dibromochloromethane	2006/10/31		105	%	70 - 130
			1,2-Dichlorobenzene	2006/10/31		103	%	70 - 130
			1,3-Dichlorobenzene	2006/10/31		109	%	70 - 130
			1,4-Dichlorobenzene	2006/10/31		98	%	70 - 130
			1,1-Dichloroethane	2006/10/31		109	%	70 - 130
			1,2-Dichloroethane	2006/10/31		109	%	70 - 130
			1,1-Dichloroethylene	2006/10/31		118	%	70 - 130
			cis-1,2-Dichloroethylene	2006/10/31		112	%	70 - 130
			trans-1,2-Dichloroethylene	2006/10/31		107	%	70 - 130
			1,2-Dichloropropane	2006/10/31		108	%	70 - 130
			cis-1,3-Dichloropropene	2006/10/31		99	%	70 - 130
			trans-1,3-Dichloropropene	2006/10/31		102	%	70 - 130
			Ethylbenzene	2006/10/31		97	%	70 - 130
			Ethylene Dibromide	2006/10/31		103	%	70 - 130
			Methylene Chloride(Dichloromethane)	2006/10/31		102	%	70 - 130
			Methyl Isobutyl Ketone	2006/10/31		91	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31		104	%	60 - 140
			Methyl t-butyl ether (MTBE)	2006/10/31		96	%	70 - 130
			Styrene	2006/10/31		93	%	70 - 130
			1,1,1,2-Tetrachloroethane	2006/10/31		104	%	70 - 130
			1,1,2,2-Tetrachloroethane	2006/10/31		96	%	70 - 130
			Tetrachloroethylene	2006/10/31		96	%	70 - 130
			Toluene	2006/10/31		102	%	70 - 130
			1,1,1-Trichloroethane	2006/10/31		112	%	70 - 130
			1,1,2-Trichloroethane	2006/10/31		97	%	70 - 130
			Trichloroethylene	2006/10/31		106	%	70 - 130
			Vinyl Chloride	2006/10/31		106	%	70 - 130
			p+m-Xylene	2006/10/31		97	%	70 - 130
			o-Xylene	2006/10/31		97	%	70 - 130
		Spiked Blank	4-Bromofluorobenzene	2006/10/31		98	%	70 - 130
			D4-1,2-Dichloroethane	2006/10/31		97	%	70 - 130
			D8-Toluene	2006/10/31		99	%	70 - 130
			Acetone (2-Propanone)	2006/10/31		116	%	60 - 140
			Benzene	2006/10/31		99	%	70 - 130
			Bromodichloromethane	2006/10/31		97	%	70 - 130
			Bromoform	2006/10/31		80	%	70 - 130
			Bromomethane	2006/10/31		88	%	60 - 140
			Carbon Tetrachloride	2006/10/31		99	%	70 - 130
			Chlorobenzene	2006/10/31		92	%	70 - 130
			Chloroform	2006/10/31		96	%	70 - 130
			Dibromochloromethane	2006/10/31		99	%	70 - 130
			1,2-Dichlorobenzene	2006/10/31		96	%	70 - 130
			1,3-Dichlorobenzene	2006/10/31		106	%	70 - 130
			1,4-Dichlorobenzene	2006/10/31		93	%	70 - 130

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Barenco Inc
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Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6181

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088754	SCO	Spiked Blank	1,1-Dichloroethane	2006/10/31		98	%	70 - 130
			1,2-Dichloroethane	2006/10/31		99	%	70 - 130
			1,1-Dichloroethylene	2006/10/31		112	%	70 - 130
			cis-1,2-Dichloroethylene	2006/10/31		102	%	70 - 130
			trans-1,2-Dichloroethylene	2006/10/31		98	%	70 - 130
			1,2-Dichloropropane	2006/10/31		98	%	70 - 130
			cis-1,3-Dichloropropene	2006/10/31		89	%	70 - 130
			trans-1,3-Dichloropropene	2006/10/31		92	%	70 - 130
			Ethylbenzene	2006/10/31		92	%	70 - 130
			Ethylene Dibromide	2006/10/31		96	%	70 - 130
			Methylene Chloride(Dichloromethane)	2006/10/31		92	%	70 - 130
			Methyl Isobutyl Ketone	2006/10/31		79	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31		106	%	60 - 140
			Methyl t-butyl ether (MTBE)	2006/10/31		91	%	70 - 130
			Styrene	2006/10/31		88	%	70 - 130
			1,1,1,2-Tetrachloroethane	2006/10/31		99	%	70 - 130
			1,1,2,2-Tetrachloroethane	2006/10/31		92	%	70 - 130
			Tetrachloroethylene	2006/10/31		92	%	70 - 130
			Toluene	2006/10/31		98	%	70 - 130
			1,1,1-Trichloroethane	2006/10/31		101	%	70 - 130
			1,1,2-Trichloroethane	2006/10/31		93	%	70 - 130
			Trichloroethylene	2006/10/31		96	%	70 - 130
			Vinyl Chloride	2006/10/31		95	%	70 - 130
			p+m-Xylene	2006/10/31		92	%	70 - 130
			o-Xylene	2006/10/31		92	%	70 - 130
		Method Blank	4-Bromofluorobenzene	2006/10/31		86	%	70 - 130
			D4-1,2-Dichloroethane	2006/10/31		107	%	70 - 130
			D8-Toluene	2006/10/31		96	%	70 - 130
			Acetone (2-Propanone)	2006/10/31	ND, RDL=10		ug/L	
			Benzene	2006/10/31	ND, RDL=0.1		ug/L	
			Bromodichloromethane	2006/10/31	ND, RDL=0.1		ug/L	
			Bromoform	2006/10/31	ND, RDL=0.2		ug/L	
			Bromomethane	2006/10/31	ND, RDL=0.5		ug/L	
			Carbon Tetrachloride	2006/10/31	ND, RDL=0.1		ug/L	
			Chlorobenzene	2006/10/31	ND, RDL=0.1		ug/L	
			Chloroform	2006/10/31	ND, RDL=0.1		ug/L	
			Dibromochloromethane	2006/10/31	ND, RDL=0.2		ug/L	
			1,2-Dichlorobenzene	2006/10/31	ND, RDL=0.2		ug/L	
			1,3-Dichlorobenzene	2006/10/31	ND, RDL=0.2		ug/L	
			1,4-Dichlorobenzene	2006/10/31	ND, RDL=0.2		ug/L	
			1,1-Dichloroethane	2006/10/31	ND, RDL=0.1		ug/L	
			1,2-Dichloroethane	2006/10/31	ND, RDL=0.1		ug/L	
			1,1-Dichloroethylene	2006/10/31	ND, RDL=0.1		ug/L	
			cis-1,2-Dichloroethylene	2006/10/31	ND, RDL=0.1		ug/L	
			trans-1,2-Dichloroethylene	2006/10/31	ND, RDL=0.1		ug/L	
			1,2-Dichloropropane	2006/10/31	ND, RDL=0.1		ug/L	
			cis-1,3-Dichloropropene	2006/10/31	ND, RDL=0.2		ug/L	
			trans-1,3-Dichloropropene	2006/10/31	ND, RDL=0.2		ug/L	
			Ethylbenzene	2006/10/31	ND, RDL=0.1		ug/L	
			Ethylene Dibromide	2006/10/31	ND, RDL=0.2		ug/L	
			Methylene Chloride(Dichloromethane)	2006/10/31	ND, RDL=0.5		ug/L	
			Methyl Isobutyl Ketone	2006/10/31	ND, RDL=5		ug/L	
			Methyl Ethyl Ketone (2-Butanone)	2006/10/31	ND, RDL=5		ug/L	
			Methyl t-butyl ether (MTBE)	2006/10/31	ND, RDL=0.2		ug/L	
			Styrene	2006/10/31	ND, RDL=0.1		ug/L	

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Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6181

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1088754	SCO	Method Blank	1,1,1,2-Tetrachloroethane	2006/10/31	ND, RDL=0.1		ug/L	
			1,1,2,2-Tetrachloroethane	2006/10/31	ND, RDL=0.1		ug/L	
			Tetrachloroethylene	2006/10/31	ND, RDL=0.1		ug/L	
			Toluene	2006/10/31	ND, RDL=0.2		ug/L	
			1,1,1-Trichloroethane	2006/10/31	ND, RDL=0.1		ug/L	
			1,1,2-Trichloroethane	2006/10/31	ND, RDL=0.2		ug/L	
			Trichloroethylene	2006/10/31	ND, RDL=0.1		ug/L	
			Vinyl Chloride	2006/10/31	ND, RDL=0.2		ug/L	
			p+m-Xylene	2006/10/31	ND, RDL=0.1		ug/L	
			o-Xylene	2006/10/31	ND, RDL=0.1		ug/L	
			Xylene (Total)	2006/10/31	ND, RDL=0.1		ug/L	
1090684	MWG	MATRIX SPIKE [P15910-01]	D10-Anthracene	2006/10/31		63	%	30 - 130
			D14-Terphenyl (FS)	2006/10/31		88	%	30 - 130
			D7-Quinoline	2006/10/31		65	%	30 - 130
			D8-Acenaphthylene	2006/10/31		58	%	30 - 130
			Acenaphthene	2006/10/31		68	%	30 - 130
			Acenaphthylene	2006/10/31		63	%	30 - 130
			Anthracene	2006/10/31		70	%	30 - 130
			Benzo(a)anthracene	2006/10/31		72	%	30 - 130
			Benzo(a)pyrene	2006/10/31		72	%	30 - 130
			Benzo(b/j)fluoranthene	2006/10/31		72	%	30 - 130
			Benzo(g,h,i)perylene	2006/10/31		74	%	30 - 130
			Benzo(k)fluoranthene	2006/10/31		78	%	30 - 130
			Chrysene	2006/10/31		77	%	30 - 130
			Dibenz(a,h)anthracene	2006/10/31		72	%	30 - 130
			Fluoranthene	2006/10/31		76	%	30 - 130
			Fluorene	2006/10/31		73	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/10/31		72	%	30 - 130
			1-Methylnaphthalene	2006/10/31		61	%	30 - 130
			2-Methylnaphthalene	2006/10/31		61	%	30 - 130
			Naphthalene	2006/10/31		55	%	30 - 130
			Phenanthrene	2006/10/31		71	%	30 - 130
			Pyrene	2006/10/31		77	%	30 - 130
		Spiked Blank	D10-Anthracene	2006/10/31		59	%	30 - 130
			D14-Terphenyl (FS)	2006/10/31		89	%	30 - 130
			D7-Quinoline	2006/10/31		68	%	30 - 130
			D8-Acenaphthylene	2006/10/31		46	%	30 - 130
			Acenaphthene	2006/10/31		54	%	30 - 130
			Acenaphthylene	2006/10/31		51	%	30 - 130
			Anthracene	2006/10/31		64	%	30 - 130
			Benzo(a)anthracene	2006/10/31		74	%	30 - 130
			Benzo(a)pyrene	2006/10/31		76	%	30 - 130
			Benzo(b/j)fluoranthene	2006/10/31		74	%	30 - 130
			Benzo(g,h,i)perylene	2006/10/31		74	%	30 - 130
			Benzo(k)fluoranthene	2006/10/31		83	%	30 - 130
			Chrysene	2006/10/31		79	%	30 - 130
			Dibenz(a,h)anthracene	2006/10/31		73	%	30 - 130
			Fluoranthene	2006/10/31		75	%	30 - 130
			Fluorene	2006/10/31		59	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2006/10/31		71	%	30 - 130
			1-Methylnaphthalene	2006/10/31		49	%	30 - 130
			2-Methylnaphthalene	2006/10/31		47	%	30 - 130
			Naphthalene	2006/10/31		45	%	30 - 130
			Phenanthrene	2006/10/31		63	%	30 - 130

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Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6181

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1090684	MWG	Spiked Blank	Pyrene	2006/10/31		77	%	30 - 130
		Method Blank	D10-Anthracene	2006/10/31		69	%	30 - 130
			D14-Terphenyl (FS)	2006/10/31		95	%	30 - 130
			D7-Quinoline	2006/10/31		81	%	30 - 130
			D8-Acenaphthylene	2006/10/31		68	%	30 - 130
			Acenaphthene	2006/10/31	ND, RDL=0.05		ug/L	
			Acenaphthylene	2006/10/31	ND, RDL=0.05		ug/L	
			Anthracene	2006/10/31	ND, RDL=0.05		ug/L	
			Benzo(a)anthracene	2006/10/31	ND, RDL=0.05		ug/L	
			Benzo(a)pyrene	2006/10/31	ND, RDL=0.01		ug/L	
			Benzo(b/j)fluoranthene	2006/10/31	ND, RDL=0.05		ug/L	
			Benzo(g,h,i)perylene	2006/10/31	ND, RDL=0.1		ug/L	
			Benzo(k)fluoranthene	2006/10/31	ND, RDL=0.05		ug/L	
			Chrysene	2006/10/31	ND, RDL=0.05		ug/L	
			Dibenz(a,h)anthracene	2006/10/31	ND, RDL=0.1		ug/L	
			Fluoranthene	2006/10/31	ND, RDL=0.05		ug/L	
			Fluorene	2006/10/31	ND, RDL=0.05		ug/L	
			Indeno(1,2,3-cd)pyrene	2006/10/31	ND, RDL=0.1		ug/L	
			1-Methylnaphthalene	2006/10/31	ND, RDL=0.05		ug/L	
			2-Methylnaphthalene	2006/10/31	ND, RDL=0.05		ug/L	
			Naphthalene	2006/10/31	ND, RDL=0.05		ug/L	
			Phenanthrene	2006/10/31	ND, RDL=0.05		ug/L	
			Pyrene	2006/10/31	ND, RDL=0.05		ug/L	
		RPD	D14-Terphenyl (FS)	2006/10/31	2.2		%	N/A
			Naphthalene	2006/10/31	NC		%	40
1091424	HRE	MATRIX SPIKE	Dissolved Antimony (Sb)	2006/11/01		111	%	80 - 120
			Dissolved Arsenic (As)	2006/11/01		102	%	80 - 120
			Dissolved Barium (Ba)	2006/11/01		100	%	80 - 120
			Dissolved Beryllium (Be)	2006/11/01		102	%	75 - 125
			Dissolved Boron (B)	2006/11/01		106	%	75 - 125
			Dissolved Cadmium (Cd)	2006/11/01		106	%	80 - 120
			Dissolved Chromium (Cr)	2006/11/01		101	%	80 - 120
			Dissolved Cobalt (Co)	2006/11/01		96	%	80 - 120
			Dissolved Copper (Cu)	2006/11/01		97	%	80 - 120
			Dissolved Lead (Pb)	2006/11/01		104	%	80 - 120
			Dissolved Molybdenum (Mo)	2006/11/01		113	%	80 - 120
			Dissolved Nickel (Ni)	2006/11/01		95	%	80 - 120
			Dissolved Selenium (Se)	2006/11/01		100	%	80 - 120
			Dissolved Silver (Ag)	2006/11/01		96	%	80 - 120
			Dissolved Thallium (Tl)	2006/11/01		99	%	75 - 125
			Dissolved Vanadium (V)	2006/11/01		101	%	80 - 120
			Dissolved Zinc (Zn)	2006/11/01		98	%	80 - 120
		Spiked Blank	Dissolved Antimony (Sb)	2006/11/01		105	%	85 - 115
			Dissolved Arsenic (As)	2006/11/01		102	%	85 - 115
			Dissolved Barium (Ba)	2006/11/01		103	%	85 - 115
			Dissolved Beryllium (Be)	2006/11/01		106	%	85 - 115
			Dissolved Boron (B)	2006/11/01		111	%	85 - 115
			Dissolved Cadmium (Cd)	2006/11/01		105	%	85 - 115
			Dissolved Chromium (Cr)	2006/11/01		104	%	85 - 115
			Dissolved Cobalt (Co)	2006/11/01		98	%	85 - 115
			Dissolved Copper (Cu)	2006/11/01		100	%	85 - 115
			Dissolved Lead (Pb)	2006/11/01		99	%	85 - 115
			Dissolved Molybdenum (Mo)	2006/11/01		105	%	85 - 115
			Dissolved Nickel (Ni)	2006/11/01		100	%	85 - 115
			Dissolved Selenium (Se)	2006/11/01		100	%	85 - 115

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Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6181

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1091424	HRE	Spiked Blank	Dissolved Silver (Ag)	2006/11/01		99	%	85 - 115
			Dissolved Thallium (Tl)	2006/11/01		95	%	85 - 115
			Dissolved Vanadium (V)	2006/11/01		102	%	85 - 115
			Dissolved Zinc (Zn)	2006/11/01		102	%	85 - 115
		Method Blank	Dissolved Antimony (Sb)	2006/11/01	ND, RDL=1		ug/L	
			Dissolved Arsenic (As)	2006/11/01	ND, RDL=1		ug/L	
			Dissolved Barium (Ba)	2006/11/01	ND, RDL=5		ug/L	
			Dissolved Beryllium (Be)	2006/11/01	ND, RDL=0.5		ug/L	
			Dissolved Boron (B)	2006/11/01	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2006/11/01	ND, RDL=0.1		ug/L	
			Dissolved Chromium (Cr)	2006/11/01	ND, RDL=5		ug/L	
			Dissolved Cobalt (Co)	2006/11/01	ND, RDL=0.5		ug/L	
			Dissolved Copper (Cu)	2006/11/01	ND, RDL=1		ug/L	
			Dissolved Lead (Pb)	2006/11/01	ND, RDL=0.5		ug/L	
			Dissolved Molybdenum (Mo)	2006/11/01	ND, RDL=1		ug/L	
			Dissolved Nickel (Ni)	2006/11/01	ND, RDL=1		ug/L	
			Dissolved Selenium (Se)	2006/11/01	ND, RDL=2		ug/L	
			Dissolved Silver (Ag)	2006/11/01	ND, RDL=0.1		ug/L	
			Dissolved Thallium (Tl)	2006/11/01	ND, RDL=0.05		ug/L	
			Dissolved Vanadium (V)	2006/11/01	ND, RDL=1		ug/L	
			Dissolved Zinc (Zn)	2006/11/01	ND, RDL=5		ug/L	
		RPD	Dissolved Antimony (Sb)	2006/11/01	NC		%	25
			Dissolved Arsenic (As)	2006/11/01	3.4		%	25
			Dissolved Barium (Ba)	2006/11/01	0.4		%	25
			Dissolved Beryllium (Be)	2006/11/01	NC		%	25
			Dissolved Boron (B)	2006/11/01	2.7		%	25
			Dissolved Cadmium (Cd)	2006/11/01	NC		%	25
			Dissolved Chromium (Cr)	2006/11/01	NC		%	25
			Dissolved Cobalt (Co)	2006/11/01	0.2		%	25
			Dissolved Copper (Cu)	2006/11/01	NC		%	25
			Dissolved Lead (Pb)	2006/11/01	NC		%	25
			Dissolved Molybdenum (Mo)	2006/11/01	NC		%	25
			Dissolved Nickel (Ni)	2006/11/01	0.1		%	25
			Dissolved Selenium (Se)	2006/11/01	NC		%	25
			Dissolved Silver (Ag)	2006/11/01	NC		%	25
			Dissolved Thallium (Tl)	2006/11/01	NC		%	25
			Dissolved Vanadium (V)	2006/11/01	NC		%	25
			Dissolved Zinc (Zn)	2006/11/01	NC		%	25
1092303	JBW	MATRIX SPIKE	Dissolved Antimony (Sb)	2006/11/02		102	%	80 - 120
			Dissolved Arsenic (As)	2006/11/02		103	%	80 - 120
			Dissolved Barium (Ba)	2006/11/02		97	%	80 - 120
			Dissolved Beryllium (Be)	2006/11/02		105	%	75 - 125
			Dissolved Boron (B)	2006/11/02		95	%	75 - 125
			Dissolved Cadmium (Cd)	2006/11/02		103	%	80 - 120
			Dissolved Chromium (Cr)	2006/11/02		103	%	80 - 120
			Dissolved Cobalt (Co)	2006/11/02		99	%	80 - 120
			Dissolved Copper (Cu)	2006/11/02		97	%	80 - 120
			Dissolved Lead (Pb)	2006/11/02		100	%	80 - 120
			Dissolved Molybdenum (Mo)	2006/11/02		104	%	80 - 120
			Dissolved Nickel (Ni)	2006/11/02		97	%	80 - 120
			Dissolved Selenium (Se)	2006/11/02		100	%	80 - 120
			Dissolved Silver (Ag)	2006/11/02		101	%	80 - 120
			Dissolved Thallium (Tl)	2006/11/02		100	%	75 - 125
			Dissolved Vanadium (V)	2006/11/02		104	%	80 - 120
			Dissolved Zinc (Zn)	2006/11/02		100	%	80 - 120

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6181

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1092303	JBW	Spiked Blank	Dissolved Antimony (Sb)	2006/11/02		100	%	85 - 115
			Dissolved Arsenic (As)	2006/11/02		101	%	85 - 115
			Dissolved Barium (Ba)	2006/11/02		100	%	85 - 115
			Dissolved Beryllium (Be)	2006/11/02		101	%	85 - 115
			Dissolved Boron (B)	2006/11/02		99	%	85 - 115
			Dissolved Cadmium (Cd)	2006/11/02		101	%	85 - 115
			Dissolved Chromium (Cr)	2006/11/02		102	%	85 - 115
			Dissolved Cobalt (Co)	2006/11/02		100	%	85 - 115
			Dissolved Copper (Cu)	2006/11/02		98	%	85 - 115
			Dissolved Lead (Pb)	2006/11/02		99	%	85 - 115
			Dissolved Molybdenum (Mo)	2006/11/02		102	%	85 - 115
			Dissolved Nickel (Ni)	2006/11/02		99	%	85 - 115
			Dissolved Selenium (Se)	2006/11/02		100	%	85 - 115
			Dissolved Silver (Ag)	2006/11/02		100	%	85 - 115
			Dissolved Thallium (Tl)	2006/11/02		100	%	85 - 115
			Dissolved Vanadium (V)	2006/11/02		102	%	85 - 115
			Dissolved Zinc (Zn)	2006/11/02		99	%	85 - 115
		Method Blank	Dissolved Antimony (Sb)	2006/11/02	ND, RDL=1		ug/L	
			Dissolved Arsenic (As)	2006/11/02	ND, RDL=1		ug/L	
			Dissolved Barium (Ba)	2006/11/02	ND, RDL=5		ug/L	
			Dissolved Beryllium (Be)	2006/11/02	ND, RDL=0.5		ug/L	
			Dissolved Boron (B)	2006/11/02	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2006/11/02	ND, RDL=0.1		ug/L	
			Dissolved Chromium (Cr)	2006/11/02	ND, RDL=5		ug/L	
			Dissolved Cobalt (Co)	2006/11/02	ND, RDL=0.5		ug/L	
			Dissolved Copper (Cu)	2006/11/02	ND, RDL=1		ug/L	
			Dissolved Lead (Pb)	2006/11/02	ND, RDL=0.5		ug/L	
			Dissolved Molybdenum (Mo)	2006/11/02	ND, RDL=1		ug/L	
			Dissolved Nickel (Ni)	2006/11/02	ND, RDL=1		ug/L	
			Dissolved Selenium (Se)	2006/11/02	ND, RDL=2		ug/L	
			Dissolved Silver (Ag)	2006/11/02	ND, RDL=0.1		ug/L	
			Dissolved Thallium (Tl)	2006/11/02	ND, RDL=0.05		ug/L	
			Dissolved Vanadium (V)	2006/11/02	ND, RDL=1		ug/L	
			Dissolved Zinc (Zn)	2006/11/02	ND, RDL=5		ug/L	
		RPD	Dissolved Antimony (Sb)	2006/11/02	NC		%	25
			Dissolved Arsenic (As)	2006/11/02	NC		%	25
			Dissolved Barium (Ba)	2006/11/02	3.1		%	25
			Dissolved Beryllium (Be)	2006/11/02	NC		%	25
			Dissolved Boron (B)	2006/11/02	NC		%	25
			Dissolved Cadmium (Cd)	2006/11/02	NC		%	25
			Dissolved Chromium (Cr)	2006/11/02	NC		%	25
			Dissolved Cobalt (Co)	2006/11/02	NC		%	25
			Dissolved Copper (Cu)	2006/11/02	NC		%	25
			Dissolved Lead (Pb)	2006/11/02	NC		%	25
			Dissolved Molybdenum (Mo)	2006/11/02	NC		%	25
			Dissolved Nickel (Ni)	2006/11/02	NC		%	25
			Dissolved Selenium (Se)	2006/11/02	NC		%	25
			Dissolved Silver (Ag)	2006/11/02	NC		%	25
			Dissolved Thallium (Tl)	2006/11/02	NC		%	25
			Dissolved Vanadium (V)	2006/11/02	NC		%	25
			Dissolved Zinc (Zn)	2006/11/02	NC		%	25

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference

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Barenco Inc
Attention: Carla Reynolds
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND

Quality Assurance Report (Continued)

Maxxam Job Number: MA6B6181

SPIKE = Fortified sample

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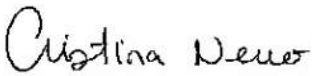
Validation Signature Page

Maxxam Job #: A6B6181

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services

ALINA SEGAL, Manager Main Lab - Organics

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00522625

Attention: Vinod Kella
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/07/30

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A776348
Received: 2007/07/23, 14:18

Sample Matrix: Soil
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Hot Water Extractable Boron	2	2007/07/27	2007/07/27	CAM SOP-00408	EPA 3050B
Petroleum Hydro. CCME F1 & BTEX in Soil	2	2007/07/24	2007/07/24	CAM SOP-00315	CCME CWS
Petroleum Hydrocarbons F2-F4 in Soil	2	2007/07/24	2007/07/24	CAM SOP-00316	CCME CWS
F4G (CCME Hydrocarbons Gravimetric)	1	2007/07/27	2007/07/27	CAM SOP-00316	CCME CWS
Acid Extr. Metals (aqua regia) by ICPMS	2	2007/07/27	2007/07/27	CAM SOP-00447	EPA 6020
MOISTURE	4	N/A	2007/07/24	Ont SOP-0114	MOE HANDBOOK(1983)
MOISTURE	2	N/A	2007/07/25	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	3	2007/07/24	2007/07/24	EPA 8270	GC/MS
Polychlorinated Biphenyl in Soil	1	2007/07/26	2007/07/27	CAM SOP-00307	EPA 8082

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		T62516	T62517	T62518	T62519		
Sampling Date		2007/07/20 17:15	2007/07/20 18:30	2007/07/20 19:15	2007/07/20 20:00		
COC Number		00522625	00522625	00522625	00522625		
	Units	**SM3**	**SM4**	**SM5**	**SM6**	**RDL**	**QC Batch**
INORGANICS							
Moisture	%	32	7.9	33	25	0.2	1309099

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		T62520	T62521		
Sampling Date		2007/07/20 18:30	2007/07/20 19:00		
COC Number		00522625	00522625		
	Units	**HH8**	**HH7**	**RDL**	**QC Batch**
INORGANICS					
Moisture	%	14	16	0.2	1310092

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		T62517	T62520		
Sampling Date		2007/07/20 18:30	2007/07/20 18:30		
COC Number		00522625	00522625		
	Units	**SM4**	**HH8**	**RDL**	**QC Batch**
METALS					
Acid Extractable Arsenic (As)	ug/g	4	9	1	1313110
Hot Water Ext. Boron (B)	ug/g	0.27	0.21	0.01	1313099
Acid Extractable Chromium (Cr)	ug/g	31	140	1	1313110
Acid Extractable Copper (Cu)	ug/g	150	180	0.5	1313110
Acid Extractable Lead (Pb)	ug/g	34	410	1	1313110
Acid Extractable Molybdenum (Mo)	ug/g	4.1	15	0.5	1313110
Acid Extractable Nickel (Ni)	ug/g	38	33	0.5	1313110

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		T62517		T62518		
Sampling Date		2007/07/20 18:30		2007/07/20 19:15		
COC Number		00522625		00522625		
	Units	**SM4**	**RDL**	**SM5**	**RDL**	**QC Batch**
PAHs						
Acenaphthene	ug/g	ND	0.1	ND	0.01	1309432
Acenaphthylene	ug/g	ND	0.05	ND	0.005	1309432
Anthracene	ug/g	0.13	0.05	0.013	0.005	1309432
Benzo(a)anthracene	ug/g	4.7	0.1	0.02	0.01	1309432
Benzo(a)pyrene	ug/g	6.2	0.05	0.015	0.005	1309432
Benzo(b/j)fluoranthene	ug/g	14	0.05	0.023	0.005	1309432
Benzo(g,h,i)perylene	ug/g	7.3	0.2	ND	0.02	1309432
Benzo(k)fluoranthene	ug/g	4.1	0.1	ND	0.01	1309432
Chrysene	ug/g	5.0	0.1	0.01	0.01	1309432
Dibenz(a,h)anthracene	ug/g	2.0	0.2	ND	0.02	1309432
Fluoranthene	ug/g	3.6	0.05	0.040	0.005	1309432
Fluorene	ug/g	ND	0.05	0.008	0.005	1309432
Indeno(1,2,3-cd)pyrene	ug/g	7.7	0.2	ND	0.02	1309432
1-Methylnaphthalene	ug/g	0.09	0.05	0.006	0.005	1309432
2-Methylnaphthalene	ug/g	0.13	0.05	0.006	0.005	1309432
Naphthalene	ug/g	0.20	0.05	0.011	0.005	1309432
Phenanthrene	ug/g	0.71	0.05	0.053	0.005	1309432
Pyrene	ug/g	3.6	0.05	0.032	0.005	1309432
Surrogate Recovery (%)						
D10-Anthracene	%	82		79		1309432
D14-Terphenyl (FS)	%	86		88		1309432
D7-Quinoline	%	84		67		1309432
D8-Acenaphthylene	%	90		66		1309432

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		T62519		
Sampling Date		2007/07/20 20:00		
COC Number		00522625		
	Units	**SM6**	**RDL**	**QC Batch**
PAHs				
Acenaphthene	ug/g	ND	0.1	1309432
Acenaphthylene	ug/g	0.05	0.05	1309432
Anthracene	ug/g	0.06	0.05	1309432
Benzo(a)anthracene	ug/g	0.1	0.1	1309432
Benzo(a)pyrene	ug/g	0.11	0.05	1309432
Benzo(b/j)fluoranthene	ug/g	0.24	0.05	1309432
Benzo(g,h,i)perylene	ug/g	ND	0.2	1309432
Benzo(k)fluoranthene	ug/g	ND	0.1	1309432
Chrysene	ug/g	0.1	0.1	1309432
Dibenz(a,h)anthracene	ug/g	ND	0.2	1309432
Fluoranthene	ug/g	0.16	0.05	1309432
Fluorene	ug/g	ND	0.05	1309432
Indeno(1,2,3-cd)pyrene	ug/g	ND	0.2	1309432
1-Methylnaphthalene	ug/g	0.66	0.05	1309432
2-Methylnaphthalene	ug/g	0.76	0.05	1309432
Naphthalene	ug/g	0.52	0.05	1309432
Phenanthrene	ug/g	0.33	0.05	1309432
Pyrene	ug/g	0.17	0.05	1309432
Surrogate Recovery (%)				
D10-Anthracene	%	72		1309432
D14-Terphenyl (FS)	%	76		1309432
D7-Quinoline	%	76		1309432
D8-Acenaphthylene	%	82		1309432

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID		T62520	T62521		
Sampling Date		2007/07/20 18:30	2007/07/20 19:00		
COC Number		00522625	00522625		
	Units	**HH8**	**HH7**	**RDL**	**QC Batch**
F1 PHC and BTEX					
Benzene	ug/g	ND	ND	0.02	1309220
Toluene	ug/g	ND	ND	0.02	1309220
Ethylbenzene	ug/g	ND	ND	0.02	1309220
o-Xylene	ug/g	0.07	ND	0.02	1309220
p+m-Xylene	ug/g	0.12	ND	0.04	1309220
Total Xylenes	ug/g	0.19	ND	0.04	1309220
F1 (C6-C10)	ug/g	ND	ND	10	1309220
F1 (C6-C10) - BTEX	ug/g	ND	ND	10	1309220
F2-F4 PHC					
F4G (Grav. Heavy Hydrocarbons)	ug/g		460	100	1313813
F2 (C10-C16 Hydrocarbons)	ug/g	ND	ND	10	1309337
F3 (C16-C34 Hydrocarbons)	ug/g	68	81	10	1309337
F4 (C34-C50 Hydrocarbons)	ug/g	25	76	10	1309337
Reached Baseline at C50	ug/g	Yes	No		1309337
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	97	113		1309220
4-Bromofluorobenzene	%	106	98		1309220
D10-Ethylbenzene	%	101	98		1309220
D4-1,2-Dichloroethane	%	111	97		1309220
o-Terphenyl	%	84	86		1309337

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

POLYCHLORINATED BIPHENYLS BY GC-ECD (SOIL)

Maxxam ID		T62516		
Sampling Date		2007/07/20 17:15		
COC Number		00522625		
	Units	**SM3**	**RDL**	**QC Batch**
PCBs				
Aroclor 1262	ug/g	ND	0.1	1311729
Aroclor 1016	ug/g	ND	0.1	1311729
Aroclor 1221	ug/g	ND	0.1	1311729
Aroclor 1232	ug/g	ND	0.1	1311729
Aroclor 1242	ug/g	ND	0.1	1311729
Aroclor 1248	ug/g	ND	0.1	1311729
Aroclor 1254	ug/g	ND	0.1	1311729
Aroclor 1260	ug/g	1.2	0.1	1311729
Aroclor 1268	ug/g	ND	0.1	1311729
Total PCB	ug/g	1.2	0.1	1311729
Surrogate Recovery (%)				
2,4,5,6-Tetrachloro-m-xylene	%	92		1311729
Decachlorobiphenyl	%	70		1311729

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A776348
Report Date: 2007/07/30

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

PAH Analysis: Due to matrix interferences, some of the samples required dilution. DLs were adjusted accordingly.

Sample T62516-01: PCB Analysis: Due to high levels of PCBs, sample required dilution. DLs were adjusted accordingly.

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

PAH Compounds in Soil by GC/MS (SIM): PAH Analysis : Duplicate results for QC batch 1309432 exceeded the RPD acceptance criterion for the flagged parameters. The variability of the results obtained for these parameters may be more pronounced.

Results relate only to the items tested.

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA776348

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1309099	FOT	RPD	Moisture	2007/07/24	1		%	50
1309220	GRU	MATRIX SPIKE	1,4-Difluorobenzene	2007/07/24		102	%	60 - 140
			4-Bromofluorobenzene	2007/07/24		105	%	60 - 140
			D10-Ethylbenzene	2007/07/24		106	%	30 - 130
			D4-1,2-Dichloroethane	2007/07/24		127	%	60 - 140
			Benzene	2007/07/24		81	%	60 - 140
			Toluene	2007/07/24		83	%	60 - 140
			Ethylbenzene	2007/07/24		88	%	60 - 140
			o-Xylene	2007/07/24		88	%	60 - 140
			p+m-Xylene	2007/07/24		92	%	60 - 140
			F1 (C6-C10)	2007/07/24		82	%	60 - 140
		Spiked Blank	1,4-Difluorobenzene	2007/07/24		102	%	60 - 140
			4-Bromofluorobenzene	2007/07/24		105	%	60 - 140
			D10-Ethylbenzene	2007/07/24		106	%	30 - 130
			D4-1,2-Dichloroethane	2007/07/24		122	%	60 - 140
			Benzene	2007/07/24		88	%	60 - 140
			Toluene	2007/07/24		85	%	60 - 140
			Ethylbenzene	2007/07/24		89	%	60 - 140
			o-Xylene	2007/07/24		91	%	60 - 140
			p+m-Xylene	2007/07/24		95	%	60 - 140
			F1 (C6-C10)	2007/07/24		90	%	60 - 140
		Method Blank	1,4-Difluorobenzene	2007/07/24		101	%	60 - 140
			4-Bromofluorobenzene	2007/07/24		100	%	60 - 140
			D10-Ethylbenzene	2007/07/24		95	%	30 - 130
			D4-1,2-Dichloroethane	2007/07/24		125	%	60 - 140
			Benzene	2007/07/24	ND, RDL=0.02		ug/g	
			Toluene	2007/07/24	ND, RDL=0.02		ug/g	
			Ethylbenzene	2007/07/24	ND, RDL=0.02		ug/g	
			o-Xylene	2007/07/24	ND, RDL=0.02		ug/g	
			p+m-Xylene	2007/07/24	ND, RDL=0.04		ug/g	
			Total Xylenes	2007/07/24	ND, RDL=0.04		ug/g	
			F1 (C6-C10)	2007/07/24	ND, RDL=10		ug/g	
			F1 (C6-C10) - BTEX	2007/07/24	ND, RDL=10		ug/g	
		RPD	Benzene	2007/07/24	NC		%	50
			Toluene	2007/07/24	NC		%	50
			Ethylbenzene	2007/07/24	NC		%	50
			o-Xylene	2007/07/24	NC		%	50
			p+m-Xylene	2007/07/24	NC		%	50
			Total Xylenes	2007/07/24	NC		%	50
			F1 (C6-C10)	2007/07/24	NC		%	50
			F1 (C6-C10) - BTEX	2007/07/24	NC		%	50
1309337	JXI	MATRIX SPIKE	o-Terphenyl	2007/07/24		88	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/07/24		87	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2007/07/24		87	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2007/07/24		87	%	60 - 130
		Spiked Blank	o-Terphenyl	2007/07/24		82	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/07/24		85	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2007/07/24		85	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2007/07/24		85	%	60 - 130
		Method Blank	o-Terphenyl	2007/07/24		80	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/07/24	ND, RDL=10		ug/g	
			F3 (C16-C34 Hydrocarbons)	2007/07/24	ND, RDL=10		ug/g	
			F4 (C34-C50 Hydrocarbons)	2007/07/24	ND, RDL=10		ug/g	
		RPD	F2 (C10-C16 Hydrocarbons)	2007/07/24	NC		%	50
			F3 (C16-C34 Hydrocarbons)	2007/07/24	NC		%	50

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776348

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1309337	JXI	RPD	F4 (C34-C50 Hydrocarbons)	2007/07/24	NC		%	50
1309432	JJI	MATRIX SPIKE	D10-Anthracene	2007/07/24		86	%	30 - 130
			D14-Terphenyl (FS)	2007/07/24		89	%	30 - 130
			D7-Quinoline	2007/07/24		82	%	30 - 130
			D8-Acenaphthylene	2007/07/24		82	%	30 - 130
			Acenaphthene	2007/07/24		87	%	30 - 130
			Acenaphthylene	2007/07/24		84	%	30 - 130
			Anthracene	2007/07/24		92	%	30 - 130
			Benzo(a)anthracene	2007/07/24		101	%	30 - 130
			Benzo(a)pyrene	2007/07/24		98	%	30 - 130
			Benzo(b/j)fluoranthene	2007/07/24		98	%	30 - 130
			Benzo(g,h,i)perylene	2007/07/24		91	%	30 - 130
			Benzo(k)fluoranthene	2007/07/24		98	%	30 - 130
			Chrysene	2007/07/24		94	%	30 - 130
			Dibenz(a,h)anthracene	2007/07/24		88	%	30 - 130
			Fluoranthene	2007/07/24		94	%	30 - 130
			Fluorene	2007/07/24		92	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2007/07/24		91	%	30 - 130
			1-Methylnaphthalene	2007/07/24		89	%	30 - 130
			2-Methylnaphthalene	2007/07/24		81	%	30 - 130
			Naphthalene	2007/07/24		77	%	30 - 130
			Phenanthrene	2007/07/24		97	%	30 - 130
			Pyrene	2007/07/24		97	%	30 - 130
		Spiked Blank	D10-Anthracene	2007/07/24		85	%	30 - 130
			D14-Terphenyl (FS)	2007/07/24		87	%	30 - 130
			D7-Quinoline	2007/07/24		80	%	30 - 130
			D8-Acenaphthylene	2007/07/24		82	%	30 - 130
			Acenaphthene	2007/07/24		85	%	30 - 130
			Acenaphthylene	2007/07/24		82	%	30 - 130
			Anthracene	2007/07/24		87	%	30 - 130
			Benzo(a)anthracene	2007/07/24		94	%	30 - 130
			Benzo(a)pyrene	2007/07/24		91	%	30 - 130
			Benzo(b/j)fluoranthene	2007/07/24		93	%	30 - 130
			Benzo(g,h,i)perylene	2007/07/24		85	%	30 - 130
			Benzo(k)fluoranthene	2007/07/24		93	%	30 - 130
			Chrysene	2007/07/24		89	%	30 - 130
			Dibenz(a,h)anthracene	2007/07/24		84	%	30 - 130
			Fluoranthene	2007/07/24		87	%	30 - 130
			Fluorene	2007/07/24		90	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2007/07/24		83	%	30 - 130
			1-Methylnaphthalene	2007/07/24		87	%	30 - 130
			2-Methylnaphthalene	2007/07/24		79	%	30 - 130
			Naphthalene	2007/07/24		76	%	30 - 130
			Phenanthrene	2007/07/24		87	%	30 - 130
			Pyrene	2007/07/24		91	%	30 - 130
		Method Blank	D10-Anthracene	2007/07/24		84	%	30 - 130
			D14-Terphenyl (FS)	2007/07/24		92	%	30 - 130
			D7-Quinoline	2007/07/24		87	%	30 - 130
			D8-Acenaphthylene	2007/07/24		85	%	30 - 130
			Acenaphthene	2007/07/24	ND, RDL=0.01		ug/g	
			Acenaphthylene	2007/07/24	ND, RDL=0.005		ug/g	
			Anthracene	2007/07/24	ND, RDL=0.005		ug/g	
			Benzo(a)anthracene	2007/07/24	ND, RDL=0.01		ug/g	
			Benzo(a)pyrene	2007/07/24	ND, RDL=0.005		ug/g	
			Benzo(b/j)fluoranthene	2007/07/24	ND, RDL=0.005		ug/g	

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776348

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1309432	JJI	Method Blank	Benzo(g,h,i)perylene	2007/07/24	ND, RDL=0.02		ug/g	
			Benzo(k)fluoranthene	2007/07/24	ND, RDL=0.01		ug/g	
			Chrysene	2007/07/24	ND, RDL=0.01		ug/g	
			Dibenz(a,h)anthracene	2007/07/24	ND, RDL=0.02		ug/g	
			Fluoranthene	2007/07/24	ND, RDL=0.005		ug/g	
			Fluorene	2007/07/24	ND, RDL=0.005		ug/g	
			Indeno(1,2,3-cd)pyrene	2007/07/24	ND, RDL=0.02		ug/g	
			1-Methylnaphthalene	2007/07/24	ND, RDL=0.005		ug/g	
			2-Methylnaphthalene	2007/07/24	ND, RDL=0.005		ug/g	
			Naphthalene	2007/07/24	ND, RDL=0.005		ug/g	
			Phenanthrene	2007/07/24	ND, RDL=0.005		ug/g	
			Pyrene	2007/07/24	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2007/07/24	0.2		%	N/A
			Acenaphthene	2007/07/24	NC		%	50
			Acenaphthylene	2007/07/24	NC		%	50
			Anthracene	2007/07/24	NC		%	50
			Benzo(a)anthracene	2007/07/24	NC		%	50
			Benzo(a)pyrene	2007/07/24	NC		%	50
			Benzo(b/j)fluoranthene	2007/07/24	59.0 (1)		%	50
			Benzo(g,h,i)perylene	2007/07/24	NC		%	50
			Benzo(k)fluoranthene	2007/07/24	NC		%	50
			Chrysene	2007/07/24	NC		%	50
			Dibenz(a,h)anthracene	2007/07/24	NC		%	50
			Fluoranthene	2007/07/24	66.5 (1)		%	50
			Fluorene	2007/07/24	NC		%	50
			Indeno(1,2,3-cd)pyrene	2007/07/24	NC		%	50
			1-Methylnaphthalene	2007/07/24	NC		%	50
			2-Methylnaphthalene	2007/07/24	NC		%	50
			Naphthalene	2007/07/24	NC		%	50
			Phenanthrene	2007/07/24	38.5		%	50
			Pyrene	2007/07/24	64.9 (1)		%	50
1310092	AYU	RPD	Moisture	2007/07/25	8.5		%	50
1311729	LGA	MATRIX SPIKE	2,4,5,6-Tetrachloro-m-xylene	2007/07/27		67	%	40 - 130
			Decachlorobiphenyl	2007/07/27		73	%	40 - 130
			Aroclor 1260	2007/07/27		85	%	30 - 130
			Total PCB	2007/07/27		85	%	30 - 130
		Spiked Blank	2,4,5,6-Tetrachloro-m-xylene	2007/07/27		77	%	40 - 130
			Decachlorobiphenyl	2007/07/27		78	%	40 - 130
			Aroclor 1260	2007/07/27		87	%	30 - 130
			Total PCB	2007/07/27		87	%	30 - 130
		Method Blank	2,4,5,6-Tetrachloro-m-xylene	2007/07/27		72	%	40 - 130
			Decachlorobiphenyl	2007/07/27		74	%	40 - 130
			Aroclor 1262	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1016	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1221	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1232	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1242	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1248	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1254	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1260	2007/07/27	ND, RDL=0.01		ug/g	
			Aroclor 1268	2007/07/27	ND, RDL=0.01		ug/g	
			Total PCB	2007/07/27	ND, RDL=0.01		ug/g	
		RPD	Aroclor 1262	2007/07/27	NC		%	50
			Decachlorobiphenyl	2007/07/27	8.1		%	N/A
			Aroclor 1016	2007/07/27	NC		%	50

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776348

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1311729	LGA	RPD	Aroclor 1221	2007/07/27	NC		%	50
			Aroclor 1232	2007/07/27	NC		%	50
			Aroclor 1242	2007/07/27	NC		%	50
			Aroclor 1248	2007/07/27	5.2		%	50
			Aroclor 1254	2007/07/27	NC		%	50
			Aroclor 1260	2007/07/27	NC		%	50
			Aroclor 1268	2007/07/27	NC		%	50
			Total PCB	2007/07/27	5.2		%	50
1313099	ADA	QC STANDARD	Hot Water Ext. Boron (B)	2007/07/27		97	%	77 - 121
		Method Blank	Hot Water Ext. Boron (B)	2007/07/27	ND, RDL=0.01		ug/g	
1313110	VIV	MATRIX SPIKE	Acid Extractable Arsenic (As)	2007/07/27		97	%	75 - 125
			Acid Extractable Chromium (Cr)	2007/07/27		101	%	75 - 125
			Acid Extractable Copper (Cu)	2007/07/27		100	%	75 - 125
			Acid Extractable Lead (Pb)	2007/07/27		97	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2007/07/27		97	%	75 - 125
			Acid Extractable Nickel (Ni)	2007/07/27		101	%	75 - 125
		QC STANDARD	Acid Extractable Arsenic (As)	2007/07/27		98	%	75 - 125
			Acid Extractable Chromium (Cr)	2007/07/27		101	%	75 - 125
			Acid Extractable Copper (Cu)	2007/07/27		97	%	75 - 125
			Acid Extractable Lead (Pb)	2007/07/27		99	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2007/07/27		99	%	75 - 125
			Acid Extractable Nickel (Ni)	2007/07/27		91	%	75 - 125
		Method Blank	Acid Extractable Arsenic (As)	2007/07/27	ND, RDL=1		ug/g	
			Acid Extractable Chromium (Cr)	2007/07/27	ND, RDL=1		ug/g	
			Acid Extractable Copper (Cu)	2007/07/27	ND, RDL=0.5		ug/g	
			Acid Extractable Lead (Pb)	2007/07/27	ND, RDL=1		ug/g	
			Acid Extractable Molybdenum (Mo)	2007/07/27	ND, RDL=0.5		ug/g	
			Acid Extractable Nickel (Ni)	2007/07/27	ND, RDL=0.5		ug/g	
		RPD	Acid Extractable Arsenic (As)	2007/07/27	NC		%	35
			Acid Extractable Chromium (Cr)	2007/07/27	3.0		%	35
			Acid Extractable Copper (Cu)	2007/07/27	7.0		%	35
			Acid Extractable Lead (Pb)	2007/07/27	7.8		%	35
			Acid Extractable Molybdenum (Mo)	2007/07/27	NC		%	35
			Acid Extractable Nickel (Ni)	2007/07/27	1.7		%	35
1313813	AZH	MATRIX SPIKE	F4G (Grav. Heavy Hydrocarbons)	2007/07/27		82	%	65 - 135
		Spiked Blank	F4G (Grav. Heavy Hydrocarbons)	2007/07/27		87	%	65 - 135
		Method Blank	F4G (Grav. Heavy Hydrocarbons)	2007/07/27	ND, RDL=100		ug/g	
		RPD	F4G (Grav. Heavy Hydrocarbons)	2007/07/27	7.1		%	50

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample
(1) Please refer to General Comments page for specific clarification.

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Validation Signature Page

Maxxam Job #: A776348

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

CHARLES ANCKER, B.Sc., M.Sc., C.Chem, Senior Analyst

CHRISTINA NERVO, Scientific Services

MEDHAT RISKALLAH, Manager, Hydrocarbon Department

ALINA SEGAL, Manager Main Lab - Organics

SUZANA POPOVIC, Supervisor, Hydrocarbons

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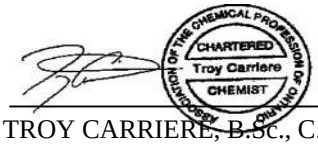
Validation Signature Page

Maxxam Job #: A776348

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



TROY CARRIERE, B.Sc., C.Chem, Scientific Specialist

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00522626

Attention: Vinod Kella
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/01

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A776360
Received: 2007/07/23, 14:18

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
MOISTURE	1	N/A	2007/07/25	Ont SOP-0114	MOE HANDBOOK(1983)
Volatile Organic Compounds in Soil	1	N/A	2007/07/26	CAM SOP 0226	EPA 8260 modified

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		T62576		
Sampling Date		2007/07/20 16:30		
COC Number		00522626		
	Units	**HH6**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	21	0.2	1310419

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (SOIL)

Maxxam ID		T62576		
Sampling Date		2007/07/20 16:30		
COC Number		00522626		
	Units	**HH6**	**RDL**	**QC Batch**
VOLATILES				
Acetone (2-Propanone)	ug/g	ND	0.1	1310081
Benzene	ug/g	0.007	0.002	1310081
Bromodichloromethane	ug/g	ND	0.002	1310081
Bromoform	ug/g	ND	0.002	1310081
Bromomethane	ug/g	ND	0.003	1310081
Carbon Tetrachloride	ug/g	ND	0.002	1310081
Chlorobenzene	ug/g	ND	0.002	1310081
Chloroform	ug/g	ND	0.002	1310081
Dibromochloromethane	ug/g	ND	0.002	1310081
1,2-Dichlorobenzene	ug/g	ND	0.002	1310081
1,3-Dichlorobenzene	ug/g	ND	0.002	1310081
1,4-Dichlorobenzene	ug/g	ND	0.002	1310081
1,1-Dichloroethane	ug/g	ND	0.002	1310081
1,2-Dichloroethane	ug/g	ND	0.002	1310081
1,1-Dichloroethylene	ug/g	ND	0.002	1310081
cis-1,2-Dichloroethylene	ug/g	ND	0.002	1310081
trans-1,2-Dichloroethylene	ug/g	ND	0.002	1310081
1,2-Dichloropropane	ug/g	ND	0.002	1310081
cis-1,3-Dichloropropene	ug/g	ND	0.002	1310081
trans-1,3-Dichloropropene	ug/g	ND	0.002	1310081
Ethylbenzene	ug/g	0.003	0.002	1310081
Ethylene Dibromide	ug/g	ND	0.002	1310081
Methylene Chloride(Dichloromethane)	ug/g	ND	0.003	1310081
Methyl Isobutyl Ketone	ug/g	ND	0.025	1310081
Methyl Ethyl Ketone (2-Butanone)	ug/g	ND	0.025	1310081
Methyl t-butyl ether (MTBE)	ug/g	ND	0.002	1310081
Styrene	ug/g	ND	0.002	1310081
1,1,1,2-Tetrachloroethane	ug/g	ND	0.002	1310081
1,1,2,2-Tetrachloroethane	ug/g	ND	0.002	1310081
Tetrachloroethylene	ug/g	ND	0.002	1310081

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (SOIL)

Maxxam ID		T62576		
Sampling Date		2007/07/20 16:30		
COC Number		00522626		
	Units	**HH6**	**RDL**	**QC Batch**
Toluene	ug/g	0.012	0.002	1310081
1,1,1-Trichloroethane	ug/g	ND	0.002	1310081
1,1,2-Trichloroethane	ug/g	ND	0.002	1310081
Trichloroethylene	ug/g	ND	0.002	1310081
Vinyl Chloride	ug/g	ND	0.002	1310081
p+m-Xylene	ug/g	0.003	0.002	1310081
o-Xylene	ug/g	ND	0.002	1310081
Xylene (Total)	ug/g	0.003	0.002	1310081
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	71		1310081
D4-1,2-Dichloroethane	%	91		1310081
D8-Toluene	%	132		1310081

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA776360

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1310081	DRA	MATRIX SPIKE	4-Bromofluorobenzene	2007/07/26		102	%	60 - 140
			D4-1,2-Dichloroethane	2007/07/26		85	%	60 - 140
			D8-Toluene	2007/07/26		102	%	60 - 140
			Acetone (2-Propanone)	2007/07/26		264 (1)	%	24 - 171
			Benzene	2007/07/26		107	%	39 - 137
			Bromodichloromethane	2007/07/26		95	%	45 - 131
			Bromoform	2007/07/26		100	%	44 - 131
			Bromomethane	2007/07/26		111	%	20 - 146
			Carbon Tetrachloride	2007/07/26		97	%	40 - 139
			Chlorobenzene	2007/07/26		113	%	45 - 140
			Chloroform	2007/07/26		99	%	48 - 128
			Dibromochloromethane	2007/07/26		100	%	52 - 135
			1,2-Dichlorobenzene	2007/07/26		101	%	39 - 145
			1,3-Dichlorobenzene	2007/07/26		104	%	38 - 158
			1,4-Dichlorobenzene	2007/07/26		103	%	35 - 159
			1,1-Dichloroethane	2007/07/26		107	%	48 - 131
			1,2-Dichloroethane	2007/07/26		93	%	43 - 123
			1,1-Dichloroethylene	2007/07/26		109	%	50 - 134
			cis-1,2-Dichloroethylene	2007/07/26		110	%	45 - 136
			trans-1,2-Dichloroethylene	2007/07/26		113	%	45 - 138
			1,2-Dichloropropane	2007/07/26		104	%	51 - 130
			cis-1,3-Dichloropropene	2007/07/26		107	%	39 - 143
			trans-1,3-Dichloropropene	2007/07/26		105	%	33 - 135
			Ethylbenzene	2007/07/26		107	%	46 - 150
			Ethylene Dibromide	2007/07/26		106	%	48 - 136
			Methylene Chloride(Dichloromethane)	2007/07/26		111	%	47 - 124
			Methyl Isobutyl Ketone	2007/07/26		109	%	48 - 133
			Methyl Ethyl Ketone (2-Butanone)	2007/07/26		178 (1)	%	39 - 160
			Methyl t-butyl ether (MTBE)	2007/07/26		108	%	37 - 150
			Styrene	2007/07/26		115	%	27 - 148
			1,1,1,2-Tetrachloroethane	2007/07/26		102	%	51 - 140
			1,1,2,2-Tetrachloroethane	2007/07/26		109	%	46 - 128
			Tetrachloroethylene	2007/07/26		107	%	45 - 154
			Toluene	2007/07/26		109	%	30 - 158
			1,1,1-Trichloroethane	2007/07/26		98	%	44 - 136
			1,1,2-Trichloroethane	2007/07/26		104	%	56 - 135
			Trichloroethylene	2007/07/26		106	%	39 - 146
			Vinyl Chloride	2007/07/26		111	%	34 - 136
			p+m-Xylene	2007/07/26		106	%	29 - 161
			o-Xylene	2007/07/26		106	%	45 - 150
		Spiked Blank	4-Bromofluorobenzene	2007/07/26		115	%	60 - 140
			D4-1,2-Dichloroethane	2007/07/26		93	%	60 - 140
			D8-Toluene	2007/07/26		97	%	60 - 140
			Acetone (2-Propanone)	2007/07/26		82	%	60 - 140
			Benzene	2007/07/26		98	%	60 - 140
			Bromodichloromethane	2007/07/26		96	%	60 - 140
			Bromoform	2007/07/26		106	%	60 - 140
			Bromomethane	2007/07/26		81	%	60 - 140
			Carbon Tetrachloride	2007/07/26		108	%	60 - 140
			Chlorobenzene	2007/07/26		98	%	60 - 140
			Chloroform	2007/07/26		97	%	60 - 140
			Dibromochloromethane	2007/07/26		99	%	60 - 140
			1,2-Dichlorobenzene	2007/07/26		91	%	60 - 140
			1,3-Dichlorobenzene	2007/07/26		103	%	60 - 140
			1,4-Dichlorobenzene	2007/07/26		98	%	60 - 140

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776360

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1310081 DRA	Spiked Blank	1,1-Dichloroethane	2007/07/26		97	%	60 - 140
		1,2-Dichloroethane	2007/07/26		95	%	60 - 140
		1,1-Dichloroethylene	2007/07/26		111	%	60 - 140
		cis-1,2-Dichloroethylene	2007/07/26		105	%	60 - 140
		trans-1,2-Dichloroethylene	2007/07/26		109	%	60 - 140
		1,2-Dichloropropane	2007/07/26		94	%	60 - 140
		cis-1,3-Dichloropropene	2007/07/26		97	%	60 - 140
		trans-1,3-Dichloropropene	2007/07/26		100	%	60 - 140
		Ethylbenzene	2007/07/26		106	%	60 - 140
		Ethylene Dibromide	2007/07/26		99	%	60 - 140
		Methylene Chloride(Dichloromethane)	2007/07/26		106	%	60 - 140
		Methyl Isobutyl Ketone	2007/07/26		80	%	60 - 140
		Methyl Ethyl Ketone (2-Butanone)	2007/07/26		85	%	60 - 140
		Methyl t-butyl ether (MTBE)	2007/07/26		63	%	60 - 140
		Styrene	2007/07/26		100	%	60 - 140
		1,1,1,2-Tetrachloroethane	2007/07/26		97	%	60 - 140
		1,1,2,2-Tetrachloroethane	2007/07/26		93	%	60 - 140
		Tetrachloroethylene	2007/07/26		116	%	60 - 140
		Toluene	2007/07/26		100	%	60 - 140
		1,1,1-Trichloroethane	2007/07/26		103	%	60 - 140
		1,1,2-Trichloroethane	2007/07/26		93	%	60 - 140
		Trichloroethylene	2007/07/26		116	%	60 - 140
		Vinyl Chloride	2007/07/26		132	%	60 - 140
		p+m-Xylene	2007/07/26		101	%	60 - 140
		o-Xylene	2007/07/26		101	%	60 - 140
	Method Blank	4-Bromofluorobenzene	2007/07/25		89	%	60 - 140
		D4-1,2-Dichloroethane	2007/07/25		110	%	60 - 140
		D8-Toluene	2007/07/25		96	%	60 - 140
		Acetone (2-Propanone)	2007/07/25	ND, RDL=0.1		ug/g	
		Benzene	2007/07/25	ND, RDL=0.002		ug/g	
		Bromodichloromethane	2007/07/25	ND, RDL=0.002		ug/g	
		Bromoform	2007/07/25	ND, RDL=0.002		ug/g	
		Bromomethane	2007/07/25	ND, RDL=0.003		ug/g	
		Carbon Tetrachloride	2007/07/25	ND, RDL=0.002		ug/g	
		Chlorobenzene	2007/07/25	ND, RDL=0.002		ug/g	
		Chloroform	2007/07/25	ND, RDL=0.002		ug/g	
		Dibromochloromethane	2007/07/25	ND, RDL=0.002		ug/g	
		1,2-Dichlorobenzene	2007/07/25	ND, RDL=0.002		ug/g	
		1,3-Dichlorobenzene	2007/07/25	ND, RDL=0.002		ug/g	
		1,4-Dichlorobenzene	2007/07/25	ND, RDL=0.002		ug/g	
		1,1-Dichloroethane	2007/07/25	ND, RDL=0.002		ug/g	
		1,2-Dichloroethane	2007/07/25	ND, RDL=0.002		ug/g	
		1,1-Dichloroethylene	2007/07/25	ND, RDL=0.002		ug/g	
		cis-1,2-Dichloroethylene	2007/07/25	ND, RDL=0.002		ug/g	
		trans-1,2-Dichloroethylene	2007/07/25	ND, RDL=0.002		ug/g	
		1,2-Dichloropropane	2007/07/25	ND, RDL=0.002		ug/g	
		cis-1,3-Dichloropropene	2007/07/25	ND, RDL=0.002		ug/g	
		trans-1,3-Dichloropropene	2007/07/25	ND, RDL=0.002		ug/g	
		Ethylbenzene	2007/07/25	ND, RDL=0.002		ug/g	
		Ethylene Dibromide	2007/07/25	ND, RDL=0.002		ug/g	
		Methylene Chloride(Dichloromethane)	2007/07/25	ND, RDL=0.003		ug/g	
		Methyl Isobutyl Ketone	2007/07/25	ND, RDL=0.025		ug/g	
		Methyl Ethyl Ketone (2-Butanone)	2007/07/25	ND, RDL=0.025		ug/g	
		Methyl t-butyl ether (MTBE)	2007/07/25	ND, RDL=0.002		ug/g	
		Styrene	2007/07/25	ND, RDL=0.002		ug/g	

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776360

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1310081	DRA	Method Blank	1,1,1,2-Tetrachloroethane	2007/07/25	ND, RDL=0.002		ug/g	
			1,1,2,2-Tetrachloroethane	2007/07/25	ND, RDL=0.002		ug/g	
			Tetrachloroethylene	2007/07/25	ND, RDL=0.002		ug/g	
			Toluene	2007/07/25	ND, RDL=0.002		ug/g	
			1,1,1-Trichloroethane	2007/07/25	ND, RDL=0.002		ug/g	
			1,1,2-Trichloroethane	2007/07/25	ND, RDL=0.002		ug/g	
			Trichloroethylene	2007/07/25	ND, RDL=0.002		ug/g	
			Vinyl Chloride	2007/07/25	ND, RDL=0.002		ug/g	
			p+m-Xylene	2007/07/25	ND, RDL=0.002		ug/g	
			o-Xylene	2007/07/25	ND, RDL=0.002		ug/g	
			Xylene (Total)	2007/07/25	ND, RDL=0.002		ug/g	
		RPD	Methyl t-butyl ether (MTBE)	2007/07/25	NC		%	50
1310419	AYU	RPD	Moisture	2007/07/25	4.7		%	50

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample
(1) The recovery for this compound was above the upper control limit. For results which are above the reporting limit, this may represent a high bias for this specific compound. For results indicated as not detected, this will have no impact on the reported results.

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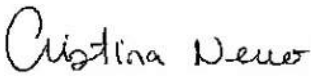
Validation Signature Page

Maxxam Job #: A776360

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00522626

Attention: Vinod Kella
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/01

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A776360
Received: 2007/07/23, 14:18

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Hot Water Extractable Boron	1	2007/07/27	2007/07/27	CAM SOP-00408	EPA 3050B
Acid Extr. Metals (aqua regia) by ICPMS	1	2007/07/27	2007/07/27	CAM SOP-00447	EPA 6020
MOISTURE	1	N/A	2007/07/24	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	1	2007/07/24	2007/07/24	SOP - 00318	EPA 8270

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		T62575		
Sampling Date		2007/07/20 14:00		
COC Number		00522626		
	Units	**SM2**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	25	0.2	1309099

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		T62575		
Sampling Date		2007/07/20 14:00		
COC Number		00522626		
	Units	**SM2**	**RDL**	**QC Batch**
METALS				
Acid Extractable Arsenic (As)	ug/g	6	1	1313110
Hot Water Ext. Boron (B)	ug/g	0.39	0.01	1313099
Acid Extractable Chromium (Cr)	ug/g	9	1	1313110
Acid Extractable Copper (Cu)	ug/g	18	0.5	1313110
Acid Extractable Lead (Pb)	ug/g	27	1	1313110
Acid Extractable Molybdenum (Mo)	ug/g	0.6	0.5	1313110
Acid Extractable Nickel (Ni)	ug/g	7.8	0.5	1313110

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		T62575		
Sampling Date		2007/07/20 14:00		
COC Number		00522626		
	Units	**SM2**	**RDL**	**QC Batch**
PAHs				
Acenaphthene	ug/g	0.02	0.01	1309432
Acenaphthylene	ug/g	0.026	0.005	1309432
Anthracene	ug/g	0.066	0.005	1309432
Benzo(a)anthracene	ug/g	0.21	0.01	1309432
Benzo(a)pyrene	ug/g	0.18	0.005	1309432
Benzo(b/j)fluoranthene	ug/g	0.24	0.005	1309432
Benzo(g,h,i)perylene	ug/g	0.11	0.02	1309432
Benzo(k)fluoranthene	ug/g	0.08	0.01	1309432
Chrysene	ug/g	0.17	0.01	1309432
Dibenz(a,h)anthracene	ug/g	0.02	0.02	1309432
Fluoranthene	ug/g	0.42	0.005	1309432
Fluorene	ug/g	0.021	0.005	1309432
Indeno(1,2,3-cd)pyrene	ug/g	0.12	0.02	1309432
1-Methylnaphthalene	ug/g	0.15	0.005	1309432
2-Methylnaphthalene	ug/g	0.16	0.005	1309432
Naphthalene	ug/g	0.097	0.005	1309432
Phenanthrene	ug/g	0.33	0.005	1309432
Pyrene	ug/g	0.38	0.005	1309432
Surrogate Recovery (%)				
D10-Anthracene	%	81		1309432
D14-Terphenyl (FS)	%	89		1309432
D7-Quinoline	%	76		1309432
D8-Acenaphthylene	%	81		1309432

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A776360
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

PAH Compounds in Soil by GC/MS (SIM): PAH Analysis : Duplicate results for QC batch 1309432 exceeded the RPD acceptance criterion for the flagged parameters. The variability of the results obtained for these parameters may be more pronounced.

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA776360

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1309099	FOT	RPD	Moisture	2007/07/24	1		%	50
1309432	JJI	MATRIX SPIKE	D10-Anthracene	2007/07/24		86	%	30 - 130
			D14-Terphenyl (FS)	2007/07/24		89	%	30 - 130
			D7-Quinoline	2007/07/24		82	%	30 - 130
			D8-Acenaphthylene	2007/07/24		82	%	30 - 130
			Acenaphthene	2007/07/24		87	%	30 - 130
			Acenaphthylene	2007/07/24		84	%	30 - 130
			Anthracene	2007/07/24		92	%	30 - 130
			Benzo(a)anthracene	2007/07/24		101	%	30 - 130
			Benzo(a)pyrene	2007/07/24		98	%	30 - 130
			Benzo(b/j)fluoranthene	2007/07/24		98	%	30 - 130
			Benzo(g,h,i)perylene	2007/07/24		91	%	30 - 130
			Benzo(k)fluoranthene	2007/07/24		98	%	30 - 130
			Chrysene	2007/07/24		94	%	30 - 130
			Dibenz(a,h)anthracene	2007/07/24		88	%	30 - 130
			Fluoranthene	2007/07/24		94	%	30 - 130
			Fluorene	2007/07/24		92	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2007/07/24		91	%	30 - 130
			1-Methylnaphthalene	2007/07/24		89	%	30 - 130
			2-Methylnaphthalene	2007/07/24		81	%	30 - 130
			Naphthalene	2007/07/24		77	%	30 - 130
			Phenanthrene	2007/07/24		97	%	30 - 130
			Pyrene	2007/07/24		97	%	30 - 130
		Spiked Blank	D10-Anthracene	2007/07/24		85	%	30 - 130
			D14-Terphenyl (FS)	2007/07/24		87	%	30 - 130
			D7-Quinoline	2007/07/24		80	%	30 - 130
			D8-Acenaphthylene	2007/07/24		82	%	30 - 130
			Acenaphthene	2007/07/24		85	%	30 - 130
			Acenaphthylene	2007/07/24		82	%	30 - 130
			Anthracene	2007/07/24		87	%	30 - 130
			Benzo(a)anthracene	2007/07/24		94	%	30 - 130
			Benzo(a)pyrene	2007/07/24		91	%	30 - 130
			Benzo(b/j)fluoranthene	2007/07/24		93	%	30 - 130
			Benzo(g,h,i)perylene	2007/07/24		85	%	30 - 130
			Benzo(k)fluoranthene	2007/07/24		93	%	30 - 130
			Chrysene	2007/07/24		89	%	30 - 130
			Dibenz(a,h)anthracene	2007/07/24		84	%	30 - 130
			Fluoranthene	2007/07/24		87	%	30 - 130
			Fluorene	2007/07/24		90	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2007/07/24		83	%	30 - 130
			1-Methylnaphthalene	2007/07/24		87	%	30 - 130
			2-Methylnaphthalene	2007/07/24		79	%	30 - 130
			Naphthalene	2007/07/24		76	%	30 - 130
			Phenanthrene	2007/07/24		87	%	30 - 130
			Pyrene	2007/07/24		91	%	30 - 130
		Method Blank	D10-Anthracene	2007/07/24		84	%	30 - 130
			D14-Terphenyl (FS)	2007/07/24		92	%	30 - 130
			D7-Quinoline	2007/07/24		87	%	30 - 130
			D8-Acenaphthylene	2007/07/24		85	%	30 - 130
			Acenaphthene	2007/07/24	ND, RDL=0.01		ug/g	
			Acenaphthylene	2007/07/24	ND, RDL=0.005		ug/g	
			Anthracene	2007/07/24	ND, RDL=0.005		ug/g	
			Benzo(a)anthracene	2007/07/24	ND, RDL=0.01		ug/g	
			Benzo(a)pyrene	2007/07/24	ND, RDL=0.005		ug/g	
			Benzo(b/j)fluoranthene	2007/07/24	ND, RDL=0.005		ug/g	

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776360

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1309432	JJI	Method Blank	Benzo(g,h,i)perylene	2007/07/24	ND, RDL=0.02		ug/g	
			Benzo(k)fluoranthene	2007/07/24	ND, RDL=0.01		ug/g	
			Chrysene	2007/07/24	ND, RDL=0.01		ug/g	
			Dibenz(a,h)anthracene	2007/07/24	ND, RDL=0.02		ug/g	
			Fluoranthene	2007/07/24	ND, RDL=0.005		ug/g	
			Fluorene	2007/07/24	ND, RDL=0.005		ug/g	
			Indeno(1,2,3-cd)pyrene	2007/07/24	ND, RDL=0.02		ug/g	
			1-Methylnaphthalene	2007/07/24	ND, RDL=0.005		ug/g	
			2-Methylnaphthalene	2007/07/24	ND, RDL=0.005		ug/g	
			Naphthalene	2007/07/24	ND, RDL=0.005		ug/g	
			Phenanthrene	2007/07/24	ND, RDL=0.005		ug/g	
			Pyrene	2007/07/24	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2007/07/24	0.2		%	N/A
			Acenaphthene	2007/07/24	NC		%	50
			Acenaphthylene	2007/07/24	NC		%	50
			Anthracene	2007/07/24	NC		%	50
			Benzo(a)anthracene	2007/07/24	NC		%	50
			Benzo(a)pyrene	2007/07/24	NC		%	50
			Benzo(b/j)fluoranthene	2007/07/24	59.0 (1)		%	50
			Benzo(g,h,i)perylene	2007/07/24	NC		%	50
			Benzo(k)fluoranthene	2007/07/24	NC		%	50
			Chrysene	2007/07/24	NC		%	50
			Dibenz(a,h)anthracene	2007/07/24	NC		%	50
			Fluoranthene	2007/07/24	66.5 (1)		%	50
			Fluorene	2007/07/24	NC		%	50
			Indeno(1,2,3-cd)pyrene	2007/07/24	NC		%	50
			1-Methylnaphthalene	2007/07/24	NC		%	50
			2-Methylnaphthalene	2007/07/24	NC		%	50
			Naphthalene	2007/07/24	NC		%	50
			Phenanthrene	2007/07/24	38.5		%	50
			Pyrene	2007/07/24	64.9 (1)		%	50
1313099	ADA	QC STANDARD	Hot Water Ext. Boron (B)	2007/07/27		97	%	77 - 121
		Method Blank	Hot Water Ext. Boron (B)	2007/07/27	ND, RDL=0.01		ug/g	
1313110	VIV	MATRIX SPIKE	Acid Extractable Arsenic (As)	2007/07/27		97	%	75 - 125
			Acid Extractable Chromium (Cr)	2007/07/27		101	%	75 - 125
			Acid Extractable Copper (Cu)	2007/07/27		100	%	75 - 125
			Acid Extractable Lead (Pb)	2007/07/27		97	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2007/07/27		97	%	75 - 125
			Acid Extractable Nickel (Ni)	2007/07/27		101	%	75 - 125
		QC STANDARD	Acid Extractable Arsenic (As)	2007/07/27		98	%	75 - 125
			Acid Extractable Chromium (Cr)	2007/07/27		101	%	75 - 125
			Acid Extractable Copper (Cu)	2007/07/27		97	%	75 - 125
			Acid Extractable Lead (Pb)	2007/07/27		99	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2007/07/27		99	%	75 - 125
			Acid Extractable Nickel (Ni)	2007/07/27		91	%	75 - 125
		Method Blank	Acid Extractable Arsenic (As)	2007/07/27	ND, RDL=1		ug/g	
			Acid Extractable Chromium (Cr)	2007/07/27	ND, RDL=1		ug/g	
			Acid Extractable Copper (Cu)	2007/07/27	ND, RDL=0.5		ug/g	
			Acid Extractable Lead (Pb)	2007/07/27	ND, RDL=1		ug/g	
			Acid Extractable Molybdenum (Mo)	2007/07/27	ND, RDL=0.5		ug/g	
			Acid Extractable Nickel (Ni)	2007/07/27	ND, RDL=0.5		ug/g	
		RPD	Acid Extractable Arsenic (As)	2007/07/27	NC		%	35
			Acid Extractable Chromium (Cr)	2007/07/27	3.0		%	35
			Acid Extractable Copper (Cu)	2007/07/27	7.0		%	35
			Acid Extractable Lead (Pb)	2007/07/27	7.8		%	35

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA776360

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1313110	VIV	RPD	Acid Extractable Molybdenum (Mo)	2007/07/27	NC		%	35
			Acid Extractable Nickel (Ni)	2007/07/27	1.7		%	35

ND = Not detected
N/A = Not Applicable
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample
(1) Please refer to General Comments page for specific clarification.

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Validation Signature Page

Maxxam Job #: A776360

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

CHRISTINA NERVO, Scientific Services

ALINA SEGAL, Manager Main Lab - Organics

TROY CARRIERE, B.Sc., C.Chem, Scientific Specialist

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: n/a

Attention: Vinod Kella
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/08/07

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A781726
Received: 2007/08/03, 12:19

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Total Metals in Soil by Axial ICP-AES	1	2007/08/06	2007/08/07	Ont SOP-0072	EPA SW-846-6010C

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A781726
Report Date: 2007/08/07

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		T85524		
Sampling Date		2007/07/20		
COC Number		n/a		
	Units	**SM5**	**RDL**	**QC Batch**
METALS				
Acid Extractable Arsenic (As)	ug/g	5	1	1321877

N/A = Not Applicable
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A781726
Report Date: 2007/08/07

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA781726

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1321877	BGI	MATRIX SPIKE [T85524-01]	Acid Extractable Arsenic (As)	2007/08/07		95	%	75 - 125
		QC STANDARD	Acid Extractable Arsenic (As)	2007/08/07		94	%	75 - 125
		Method Blank	Acid Extractable Arsenic (As)	2007/08/07	ND, RDL=1		ug/g	
		RPD [T85524-01]	Acid Extractable Arsenic (As)	2007/08/07	NC		%	35

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard

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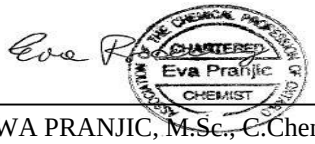
Validation Signature Page

Maxxam Job #: A781726

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



EWA PRANJIC, M.Sc., C.Chem, Scientific Specialist

==========

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Your P.O. #: 06043
Your Project #: 06043
Site: OWEN SOUND,2202-3RD AVE. EAST
Your C.O.C. #: 43134

Attention: Vinod Kella
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/01

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A790947
Received: 2007/08/23, 16:32

Sample Matrix: Water
Samples Received: 11

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Dissolved Metals by ICPMS	7	N/A	2007/08/30	CAM SOP-00447	EPA 6020
PAH Compounds in Water by GC/MS (SIM)	11	2007/08/27	2007/08/27	SOP - 00318	EPA 8270
Volatile Organic Compounds in Water	8	N/A	2007/08/28	CAM SOP 0226	EPA 8260 modified

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		U25696	U25697	U25698		
Sampling Date		2007/08/22 11:00	2007/08/22 11:15	2007/08/22 11:30		
COC Number		43134	43134	43134		
	Units	**MW 5**	**MW 6**	**MW 7**	**RDL**	**QC Batch**
METALS						
Dissolved Antimony (Sb)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Arsenic (As)	ug/L	ND	ND	1	1	1346298
Dissolved Barium (Ba)	ug/L	24	140	66	5	1346298
Dissolved Beryllium (Be)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Boron (B)	ug/L	55	200	140	10	1346298
Dissolved Cadmium (Cd)	ug/L	ND	ND	ND	0.1	1346298
Dissolved Chromium (Cr)	ug/L	ND	ND	ND	5	1346298
Dissolved Cobalt (Co)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Copper (Cu)	ug/L	3	5	ND	1	1346298
Dissolved Lead (Pb)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Molybdenum (Mo)	ug/L	ND	ND	ND	1	1346298
Dissolved Nickel (Ni)	ug/L	ND	ND	ND	1	1346298
Dissolved Selenium (Se)	ug/L	ND	ND	ND	2	1346298
Dissolved Silver (Ag)	ug/L	ND	ND	ND	0.1	1346298
Dissolved Sodium (Na)	ug/L	7400	33000	11000	100	1346298
Dissolved Thallium (Tl)	ug/L	ND	ND	ND	0.05	1346298
Dissolved Vanadium (V)	ug/L	ND	ND	ND	1	1346298
Dissolved Zinc (Zn)	ug/L	13	35	ND	5	1346298

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		U25699	U25700	U25701		
Sampling Date		2007/08/22 11:45	2007/08/22 12:00	2007/08/22 12:15		
COC Number		43134	43134	43134		
	Units	**MW 11**	**MW 103**	**MW 104**	**RDL**	**QC Batch**
METALS						
Dissolved Antimony (Sb)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Arsenic (As)	ug/L	2	2	ND	1	1346298
Dissolved Barium (Ba)	ug/L	190	93	150	5	1346298
Dissolved Beryllium (Be)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Boron (B)	ug/L	590	610	490	10	1346298
Dissolved Cadmium (Cd)	ug/L	ND	ND	ND	0.1	1346298
Dissolved Chromium (Cr)	ug/L	ND	ND	ND	5	1346298
Dissolved Cobalt (Co)	ug/L	0.6	ND	0.9	0.5	1346298
Dissolved Copper (Cu)	ug/L	3	4	2	1	1346298
Dissolved Lead (Pb)	ug/L	ND	ND	ND	0.5	1346298
Dissolved Molybdenum (Mo)	ug/L	ND	ND	3	1	1346298
Dissolved Nickel (Ni)	ug/L	ND	ND	4	1	1346298
Dissolved Selenium (Se)	ug/L	ND	ND	ND	2	1346298
Dissolved Silver (Ag)	ug/L	ND	ND	ND	0.1	1346298
Dissolved Sodium (Na)	ug/L	42000	14000	48000	100	1346298
Dissolved Thallium (Tl)	ug/L	ND	ND	ND	0.05	1346298
Dissolved Vanadium (V)	ug/L	ND	ND	ND	1	1346298
Dissolved Zinc (Zn)	ug/L	16	16	20	5	1346298

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		U25702		
Sampling Date		2007/08/22 12:45		
COC Number		43134		
	Units	**MW 107**	**RDL**	**QC Batch**
METALS				
Dissolved Antimony (Sb)	ug/L	ND	0.5	1346298
Dissolved Arsenic (As)	ug/L	28	1	1346298
Dissolved Barium (Ba)	ug/L	64	5	1346298
Dissolved Beryllium (Be)	ug/L	ND	0.5	1346298
Dissolved Boron (B)	ug/L	130	10	1346298
Dissolved Cadmium (Cd)	ug/L	ND	0.1	1346298
Dissolved Chromium (Cr)	ug/L	ND	5	1346298
Dissolved Cobalt (Co)	ug/L	ND	0.5	1346298
Dissolved Copper (Cu)	ug/L	1	1	1346298
Dissolved Lead (Pb)	ug/L	ND	0.5	1346298
Dissolved Molybdenum (Mo)	ug/L	ND	1	1346298
Dissolved Nickel (Ni)	ug/L	ND	1	1346298
Dissolved Selenium (Se)	ug/L	ND	2	1346298
Dissolved Silver (Ag)	ug/L	ND	0.1	1346298
Dissolved Sodium (Na)	ug/L	28000	100	1346298
Dissolved Thallium (Tl)	ug/L	ND	0.05	1346298
Dissolved Vanadium (V)	ug/L	3	1	1346298
Dissolved Zinc (Zn)	ug/L	13	5	1346298

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		U25695	U25696	U25697		
Sampling Date		2007/08/22 10:45	2007/08/22 11:00	2007/08/22 11:15		
COC Number		43134	43134	43134		
	Units	**MW 4**	**MW 5**	**MW 6**	**RDL**	**QC Batch**
PAHs						
Acenaphthene	ug/L	ND	ND	ND	0.05	1343481
Acenaphthylene	ug/L	ND	ND	ND	0.05	1343481
Anthracene	ug/L	ND	ND	ND	0.05	1343481
Benzo(a)anthracene	ug/L	ND	0.06	ND	0.05	1343481
Benzo(a)pyrene	ug/L	ND	0.02	ND	0.01	1343481
Benzo(b/j)fluoranthene	ug/L	ND	ND	ND	0.05	1343481
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	0.1	1343481
Benzo(k)fluoranthene	ug/L	ND	ND	ND	0.05	1343481
Chrysene	ug/L	ND	ND	ND	0.05	1343481
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	0.1	1343481
Fluoranthene	ug/L	ND	ND	ND	0.05	1343481
Fluorene	ug/L	ND	ND	ND	0.05	1343481
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	0.1	1343481
1-Methylnaphthalene	ug/L	ND	0.05	ND	0.05	1343481
2-Methylnaphthalene	ug/L	ND	0.07	ND	0.05	1343481
Naphthalene	ug/L	ND	0.08	ND	0.05	1343481
Phenanthrene	ug/L	ND	0.08	ND	0.05	1343481
Pyrene	ug/L	ND	ND	ND	0.05	1343481
Surrogate Recovery (%)						
D10-Anthracene	%	80	78	74		1343481
D14-Terphenyl (FS)	%	78	74	71		1343481
D7-Quinoline	%	77	83	72		1343481
D8-Acenaphthylene	%	81	76	68		1343481

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		U25698	U25699	U25700		
Sampling Date		2007/08/22 11:30	2007/08/22 11:45	2007/08/22 12:00		
COC Number		43134	43134	43134		
	Units	**MW 7**	**MW 11**	**MW 103**	**RDL**	**QC Batch**
PAHs						
Acenaphthene	ug/L	ND	ND	ND	0.05	1343481
Acenaphthylene	ug/L	ND	ND	ND	0.05	1343481
Anthracene	ug/L	ND	ND	ND	0.05	1343481
Benzo(a)anthracene	ug/L	0.05	ND	0.08	0.05	1343481
Benzo(a)pyrene	ug/L	0.03	0.01	0.04	0.01	1343481
Benzo(b/j)fluoranthene	ug/L	0.06	ND	0.07	0.05	1343481
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	0.1	1343481
Benzo(k)fluoranthene	ug/L	ND	ND	ND	0.05	1343481
Chrysene	ug/L	ND	ND	ND	0.05	1343481
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	0.1	1343481
Fluoranthene	ug/L	0.11	0.06	0.08	0.05	1343481
Fluorene	ug/L	ND	ND	ND	0.05	1343481
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	0.1	1343481
1-Methylnaphthalene	ug/L	ND	ND	ND	0.05	1343481
2-Methylnaphthalene	ug/L	ND	ND	ND	0.05	1343481
Naphthalene	ug/L	ND	ND	ND	0.05	1343481
Phenanthrene	ug/L	0.09	0.08	ND	0.05	1343481
Pyrene	ug/L	0.09	0.06	0.08	0.05	1343481
Surrogate Recovery (%)						
D10-Anthracene	%	64	71	79		1343481
D14-Terphenyl (FS)	%	67	68	90		1343481
D7-Quinoline	%	45	73	80		1343481
D8-Acenaphthylene	%	49	69	70		1343481

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		U25701	U25702	U25703		
Sampling Date		2007/08/22 12:15	2007/08/22 12:45	2007/08/22 13:00		
COC Number		43134	43134	43134		
	Units	**MW 104**	**MW 107**	**TH8**	**RDL**	**QC Batch**
PAHs						
Acenaphthene	ug/L	ND	0.06	ND	0.05	1343481
Acenaphthylene	ug/L	ND	ND	ND	0.05	1343481
Anthracene	ug/L	ND	ND	ND	0.05	1343481
Benzo(a)anthracene	ug/L	ND	ND	0.16	0.05	1343481
Benzo(a)pyrene	ug/L	0.01	ND	0.15	0.01	1343481
Benzo(b/j)fluoranthene	ug/L	ND	ND	0.25	0.05	1343481
Benzo(g,h,i)perylene	ug/L	ND	ND	0.1	0.1	1343481
Benzo(k)fluoranthene	ug/L	ND	ND	0.08	0.05	1343481
Chrysene	ug/L	ND	ND	0.10	0.05	1343481
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	0.1	1343481
Fluoranthene	ug/L	ND	ND	0.23	0.05	1343481
Fluorene	ug/L	ND	ND	ND	0.05	1343481
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	0.1	0.1	1343481
1-Methylnaphthalene	ug/L	ND	ND	ND	0.05	1343481
2-Methylnaphthalene	ug/L	ND	ND	ND	0.05	1343481
Naphthalene	ug/L	ND	0.07	ND	0.05	1343481
Phenanthrene	ug/L	ND	ND	0.08	0.05	1343481
Pyrene	ug/L	ND	ND	0.27	0.05	1343481
Surrogate Recovery (%)						
D10-Anthracene	%	74	78	68		1343481
D14-Terphenyl (FS)	%	79	80	74		1343481
D7-Quinoline	%	75	78	67		1343481
D8-Acenaphthylene	%	68	79	54		1343481

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		U25704	U25705		
Sampling Date		2007/08/22 13:15	2007/08/22 13:30		
COC Number		43134	43134		
	Units	**TH9**	**TH10**	**RDL**	**QC Batch**
PAHs					
Acenaphthene	ug/L	ND	ND	0.05	1343481
Acenaphthylene	ug/L	ND	ND	0.05	1343481
Anthracene	ug/L	ND	ND	0.05	1343481
Benzo(a)anthracene	ug/L	0.07	ND	0.05	1343481
Benzo(a)pyrene	ug/L	0.02	0.01	0.01	1343481
Benzo(b/j)fluoranthene	ug/L	ND	ND	0.05	1343481
Benzo(g,h,i)perylene	ug/L	ND	ND	0.1	1343481
Benzo(k)fluoranthene	ug/L	ND	ND	0.05	1343481
Chrysene	ug/L	ND	ND	0.05	1343481
Dibenz(a,h)anthracene	ug/L	ND	ND	0.1	1343481
Fluoranthene	ug/L	0.10	ND	0.05	1343481
Fluorene	ug/L	0.06	ND	0.05	1343481
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	0.1	1343481
1-Methylnaphthalene	ug/L	ND	ND	0.05	1343481
2-Methylnaphthalene	ug/L	ND	ND	0.05	1343481
Naphthalene	ug/L	ND	ND	0.05	1343481
Phenanthrene	ug/L	0.08	ND	0.05	1343481
Pyrene	ug/L	0.09	ND	0.05	1343481
Surrogate Recovery (%)					
D10-Anthracene	%	75	74		1343481
D14-Terphenyl (FS)	%	69	72		1343481
D7-Quinoline	%	67	71		1343481
D8-Acenaphthylene	%	68	65		1343481

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25695	U25696	U25697		
Sampling Date		2007/08/22 10:45	2007/08/22 11:00	2007/08/22 11:15		
COC Number		43134	43134	43134		
	Units	**MW 4**	**MW 5**	**MW 6**	**RDL**	**QC Batch**
VOLATILES						
Acetone (2-Propanone)	ug/L	ND	ND	ND	10	1342800
Benzene	ug/L	ND	ND	ND	0.1	1342800
Bromodichloromethane	ug/L	ND	ND	ND	0.1	1342800
Bromoform	ug/L	ND	ND	ND	0.2	1342800
Bromomethane	ug/L	ND	ND	ND	0.5	1342800
Carbon Tetrachloride	ug/L	ND	ND	ND	0.1	1342800
Chlorobenzene	ug/L	ND	ND	ND	0.1	1342800
Chloroform	ug/L	ND	ND	ND	0.1	1342800
Dibromochloromethane	ug/L	ND	ND	ND	0.2	1342800
1,2-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1342800
1,3-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1342800
1,4-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1342800
1,1-Dichloroethane	ug/L	0.8	ND	ND	0.1	1342800
1,2-Dichloroethane	ug/L	0.2	ND	ND	0.1	1342800
1,1-Dichloroethylene	ug/L	ND	ND	ND	0.1	1342800
cis-1,2-Dichloroethylene	ug/L	0.5	ND	ND	0.1	1342800
trans-1,2-Dichloroethylene	ug/L	1.2	ND	ND	0.1	1342800
1,2-Dichloropropane	ug/L	ND	ND	ND	0.1	1342800
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	0.2	1342800
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	0.2	1342800
Ethylbenzene	ug/L	ND	ND	ND	0.1	1342800
Ethylene Dibromide	ug/L	ND	ND	ND	0.2	1342800
Methylene Chloride(Dichloromethane)	ug/L	ND	ND	ND	0.5	1342800
Methyl Isobutyl Ketone	ug/L	ND	ND	ND	5	1342800
Methyl Ethyl Ketone (2-Butanone)	ug/L	ND	ND	ND	5	1342800
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	ND	0.2	1342800
Styrene	ug/L	ND	ND	ND	0.1	1342800
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	0.1	1342800
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	0.2	1342800
Tetrachloroethylene	ug/L	ND	2.2	ND	0.1	1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25695	U25696	U25697		
Sampling Date		2007/08/22 10:45	2007/08/22 11:00	2007/08/22 11:15		
COC Number		43134	43134	43134		
	Units	**MW 4**	**MW 5**	**MW 6**	**RDL**	**QC Batch**
Toluene	ug/L	ND	ND	ND	0.2	1342800
1,1,1-Trichloroethane	ug/L	ND	0.2	ND	0.1	1342800
1,1,2-Trichloroethane	ug/L	ND	ND	ND	0.2	1342800
Trichloroethylene	ug/L	ND	ND	ND	0.1	1342800
Vinyl Chloride	ug/L	ND	ND	ND	0.2	1342800
p+m-Xylene	ug/L	ND	ND	ND	0.1	1342800
o-Xylene	ug/L	ND	ND	ND	0.1	1342800
Xylene (Total)	ug/L	ND	ND	ND	0.1	1342800
Surrogate Recovery (%)						
4-Bromofluorobenzene	%	82	84	84		1342800
D4-1,2-Dichloroethane	%	113	110	110		1342800
D8-Toluene	%	99	98	100		1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25698	U25699	U25700		
Sampling Date		2007/08/22 11:30	2007/08/22 11:45	2007/08/22 12:00		
COC Number		43134	43134	43134		
	Units	**MW 7**	**MW 11**	**MW 103**	**RDL**	**QC Batch**
VOLATILES						
Acetone (2-Propanone)	ug/L	ND	ND	ND	10	1342800
Benzene	ug/L	ND	ND	ND	0.1	1342800
Bromodichloromethane	ug/L	ND	ND	ND	0.1	1342800
Bromoform	ug/L	ND	ND	ND	0.2	1342800
Bromomethane	ug/L	ND	ND	ND	0.5	1342800
Carbon Tetrachloride	ug/L	ND	ND	ND	0.1	1342800
Chlorobenzene	ug/L	ND	ND	ND	0.1	1342800
Chloroform	ug/L	ND	ND	ND	0.1	1342800
Dibromochloromethane	ug/L	ND	ND	ND	0.2	1342800
1,2-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1342800
1,3-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1342800
1,4-Dichlorobenzene	ug/L	ND	ND	ND	0.2	1342800
1,1-Dichloroethane	ug/L	ND	ND	0.1	0.1	1342800
1,2-Dichloroethane	ug/L	ND	ND	ND	0.1	1342800
1,1-Dichloroethylene	ug/L	ND	ND	ND	0.1	1342800
cis-1,2-Dichloroethylene	ug/L	ND	ND	0.4	0.1	1342800
trans-1,2-Dichloroethylene	ug/L	ND	ND	ND	0.1	1342800
1,2-Dichloropropane	ug/L	ND	ND	ND	0.1	1342800
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	0.2	1342800
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	0.2	1342800
Ethylbenzene	ug/L	ND	ND	ND	0.1	1342800
Ethylene Dibromide	ug/L	ND	ND	ND	0.2	1342800
Methylene Chloride(Dichloromethane)	ug/L	ND	ND	ND	0.5	1342800
Methyl Isobutyl Ketone	ug/L	ND	ND	ND	5	1342800
Methyl Ethyl Ketone (2-Butanone)	ug/L	ND	ND	ND	5	1342800
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	ND	0.2	1342800
Styrene	ug/L	ND	ND	ND	0.1	1342800
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	0.1	1342800
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	0.2	1342800
Tetrachloroethylene	ug/L	ND	ND	ND	0.1	1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25698	U25699	U25700		
Sampling Date		2007/08/22 11:30	2007/08/22 11:45	2007/08/22 12:00		
COC Number		43134	43134	43134		
	Units	**MW 7**	**MW 11**	**MW 103**	**RDL**	**QC Batch**
Toluene	ug/L	ND	ND	ND	0.2	1342800
1,1,1-Trichloroethane	ug/L	ND	ND	ND	0.1	1342800
1,1,2-Trichloroethane	ug/L	ND	ND	ND	0.2	1342800
Trichloroethylene	ug/L	ND	ND	0.5	0.1	1342800
Vinyl Chloride	ug/L	ND	ND	ND	0.2	1342800
p+m-Xylene	ug/L	ND	ND	ND	0.1	1342800
o-Xylene	ug/L	ND	ND	ND	0.1	1342800
Xylene (Total)	ug/L	ND	ND	ND	0.1	1342800
Surrogate Recovery (%)						
4-Bromofluorobenzene	%	83	81	82		1342800
D4-1,2-Dichloroethane	%	112	110	113		1342800
D8-Toluene	%	98	98	100		1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25701	U25702		
Sampling Date		2007/08/22 12:15	2007/08/22 12:45		
COC Number		43134	43134		
	Units	**MW 104**	**MW 107**	**RDL**	**QC Batch**
VOLATILES					
Acetone (2-Propanone)	ug/L	ND	ND	10	1342800
Benzene	ug/L	ND	ND	0.1	1342800
Bromodichloromethane	ug/L	ND	ND	0.1	1342800
Bromoform	ug/L	ND	ND	0.2	1342800
Bromomethane	ug/L	ND	ND	0.5	1342800
Carbon Tetrachloride	ug/L	ND	ND	0.1	1342800
Chlorobenzene	ug/L	ND	0.2	0.1	1342800
Chloroform	ug/L	ND	ND	0.1	1342800
Dibromochloromethane	ug/L	ND	ND	0.2	1342800
1,2-Dichlorobenzene	ug/L	ND	ND	0.2	1342800
1,3-Dichlorobenzene	ug/L	ND	ND	0.2	1342800
1,4-Dichlorobenzene	ug/L	ND	ND	0.2	1342800
1,1-Dichloroethane	ug/L	ND	ND	0.1	1342800
1,2-Dichloroethane	ug/L	ND	ND	0.1	1342800
1,1-Dichloroethylene	ug/L	ND	ND	0.1	1342800
cis-1,2-Dichloroethylene	ug/L	ND	ND	0.1	1342800
trans-1,2-Dichloroethylene	ug/L	ND	ND	0.1	1342800
1,2-Dichloropropane	ug/L	ND	ND	0.1	1342800
cis-1,3-Dichloropropene	ug/L	ND	ND	0.2	1342800
trans-1,3-Dichloropropene	ug/L	ND	ND	0.2	1342800
Ethylbenzene	ug/L	ND	ND	0.1	1342800
Ethylene Dibromide	ug/L	ND	ND	0.2	1342800
Methylene Chloride(Dichloromethane)	ug/L	ND	ND	0.5	1342800
Methyl Isobutyl Ketone	ug/L	ND	ND	5	1342800
Methyl Ethyl Ketone (2-Butanone)	ug/L	ND	ND	5	1342800
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	0.2	1342800
Styrene	ug/L	ND	ND	0.1	1342800
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	0.1	1342800
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	0.2	1342800
Tetrachloroethylene	ug/L	ND	ND	0.1	1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (WATER)

Maxxam ID		U25701	U25702		
Sampling Date		2007/08/22 12:15	2007/08/22 12:45		
COC Number		43134	43134		
	Units	**MW 104**	**MW 107**	**RDL**	**QC Batch**
Toluene	ug/L	ND	ND	0.2	1342800
1,1,1-Trichloroethane	ug/L	ND	ND	0.1	1342800
1,1,2-Trichloroethane	ug/L	ND	ND	0.2	1342800
Trichloroethylene	ug/L	ND	ND	0.1	1342800
Vinyl Chloride	ug/L	ND	ND	0.2	1342800
p+m-Xylene	ug/L	ND	ND	0.1	1342800
o-Xylene	ug/L	ND	ND	0.1	1342800
Xylene (Total)	ug/L	ND	ND	0.1	1342800
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	81	81		1342800
D4-1,2-Dichloroethane	%	111	113		1342800
D8-Toluene	%	100	98		1342800

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A790947
Report Date: 2007/11/01

Barenco Inc
Client Project #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Sample U25698-01: PAH analysis:The concentration of benzo(e)pyrene could not be determined due to background interference. The DL was adjusted accordingly.

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST

Quality Assurance Report

Maxxam Job Number: MA790947

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1342800	AAD	MATRIX SPIKE						
		[U25697-03]	4-Bromofluorobenzene	2007/08/28		93	%	70 - 130
			D4-1,2-Dichloroethane	2007/08/28		104	%	70 - 130
			D8-Toluene	2007/08/28		101	%	70 - 130
			Acetone (2-Propanone)	2007/08/28		102	%	60 - 140
			Benzene	2007/08/28		90	%	70 - 130
			Bromodichloromethane	2007/08/28		111	%	70 - 130
			Bromoform	2007/08/28		98	%	70 - 130
			Bromomethane	2007/08/28		85	%	60 - 140
			Carbon Tetrachloride	2007/08/28		94	%	70 - 130
			Chlorobenzene	2007/08/28		103	%	70 - 130
			Chloroform	2007/08/28		99	%	70 - 130
			Dibromochloromethane	2007/08/28		122	%	70 - 130
			1,2-Dichlorobenzene	2007/08/28		101	%	70 - 130
			1,3-Dichlorobenzene	2007/08/28		103	%	70 - 130
			1,4-Dichlorobenzene	2007/08/28		110	%	70 - 130
			1,1-Dichloroethane	2007/08/28		92	%	70 - 130
			1,2-Dichloroethane	2007/08/28		95	%	70 - 130
			1,1-Dichloroethylene	2007/08/28		88	%	70 - 130
			cis-1,2-Dichloroethylene	2007/08/28		98	%	70 - 130
			trans-1,2-Dichloroethylene	2007/08/28		88	%	70 - 130
			1,2-Dichloropropane	2007/08/28		115	%	70 - 130
			cis-1,3-Dichloropropene	2007/08/28		93	%	70 - 130
			trans-1,3-Dichloropropene	2007/08/28		99	%	70 - 130
			Ethylbenzene	2007/08/28		109	%	70 - 130
			Ethylene Dibromide	2007/08/28		114	%	70 - 130
			Methylene Chloride(Dichloromethane)	2007/08/28		91	%	70 - 130
			Methyl Isobutyl Ketone	2007/08/28		131	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28		120	%	60 - 140
			Methyl t-butyl ether (MTBE)	2007/08/28		95	%	70 - 130
			Styrene	2007/08/28		91	%	70 - 130
			1,1,1,2-Tetrachloroethane	2007/08/28		118	%	70 - 130
			1,1,2,2-Tetrachloroethane	2007/08/28		118	%	70 - 130
			Tetrachloroethylene	2007/08/28		96	%	70 - 130
			Toluene	2007/08/28		104	%	70 - 130
			1,1,1-Trichloroethane	2007/08/28		92	%	70 - 130
			1,1,2-Trichloroethane	2007/08/28		119	%	70 - 130
			Trichloroethylene	2007/08/28		95	%	70 - 130
			Vinyl Chloride	2007/08/28		79	%	70 - 130
			p+m-Xylene	2007/08/28		111	%	70 - 130
			o-Xylene	2007/08/28		97	%	70 - 130
		Spiked Blank	4-Bromofluorobenzene	2007/08/28		94	%	70 - 130
			D4-1,2-Dichloroethane	2007/08/28		102	%	70 - 130
			D8-Toluene	2007/08/28		105	%	70 - 130
			Acetone (2-Propanone)	2007/08/28		98	%	60 - 140
			Benzene	2007/08/28		89	%	70 - 130
			Bromodichloromethane	2007/08/28		111	%	70 - 130
			Bromoform	2007/08/28		98	%	70 - 130
			Bromomethane	2007/08/28		82	%	60 - 140
			Carbon Tetrachloride	2007/08/28		93	%	70 - 130
			Chlorobenzene	2007/08/28		102	%	70 - 130
			Chloroform	2007/08/28		98	%	70 - 130
			Dibromochloromethane	2007/08/28		122	%	70 - 130
			1,2-Dichlorobenzene	2007/08/28		97	%	70 - 130
			1,3-Dichlorobenzene	2007/08/28		101	%	70 - 130

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST

Quality Assurance Report (Continued)

Maxxam Job Number: MA790947

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1342800	AAD	Spiked Blank	1,4-Dichlorobenzene	2007/08/28		106	%	70 - 130
			1,1-Dichloroethane	2007/08/28		91	%	70 - 130
			1,2-Dichloroethane	2007/08/28		93	%	70 - 130
			1,1-Dichloroethylene	2007/08/28		86	%	70 - 130
			cis-1,2-Dichloroethylene	2007/08/28		96	%	70 - 130
			trans-1,2-Dichloroethylene	2007/08/28		88	%	70 - 130
			1,2-Dichloropropane	2007/08/28		114	%	70 - 130
			cis-1,3-Dichloropropene	2007/08/28		92	%	70 - 130
			trans-1,3-Dichloropropene	2007/08/28		99	%	70 - 130
			Ethylbenzene	2007/08/28		109	%	70 - 130
			Ethylene Dibromide	2007/08/28		115	%	70 - 130
			Methylene Chloride(Dichloromethane)	2007/08/28		90	%	70 - 130
			Methyl Isobutyl Ketone	2007/08/28		128	%	60 - 140
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28		114	%	60 - 140
			Methyl t-butyl ether (MTBE)	2007/08/28		91	%	70 - 130
			Styrene	2007/08/28		92	%	70 - 130
			1,1,1,2-Tetrachloroethane	2007/08/28		118	%	70 - 130
			1,1,2,2-Tetrachloroethane	2007/08/28		116	%	70 - 130
			Tetrachloroethylene	2007/08/28		96	%	70 - 130
			Toluene	2007/08/28		104	%	70 - 130
			1,1,1-Trichloroethane	2007/08/28		91	%	70 - 130
			1,1,2-Trichloroethane	2007/08/28		119	%	70 - 130
			Trichloroethylene	2007/08/28		93	%	70 - 130
			Vinyl Chloride	2007/08/28		78	%	70 - 130
			p+m-Xylene	2007/08/28		112	%	70 - 130
			o-Xylene	2007/08/28		98	%	70 - 130
		Method Blank	4-Bromofluorobenzene	2007/08/28		86	%	70 - 130
			D4-1,2-Dichloroethane	2007/08/28		110	%	70 - 130
			D8-Toluene	2007/08/28		101	%	70 - 130
			Acetone (2-Propanone)	2007/08/28	ND, RDL=10		ug/L	
			Benzene	2007/08/28	ND, RDL=0.1		ug/L	
			Bromodichloromethane	2007/08/28	ND, RDL=0.1		ug/L	
			Bromoform	2007/08/28	ND, RDL=0.2		ug/L	
			Bromomethane	2007/08/28	ND, RDL=0.5		ug/L	
			Carbon Tetrachloride	2007/08/28	ND, RDL=0.1		ug/L	
			Chlorobenzene	2007/08/28	ND, RDL=0.1		ug/L	
			Chloroform	2007/08/28	ND, RDL=0.1		ug/L	
			Dibromochloromethane	2007/08/28	ND, RDL=0.2		ug/L	
			1,2-Dichlorobenzene	2007/08/28	ND, RDL=0.2		ug/L	
			1,3-Dichlorobenzene	2007/08/28	ND, RDL=0.2		ug/L	
			1,4-Dichlorobenzene	2007/08/28	ND, RDL=0.2		ug/L	
			1,1-Dichloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,2-Dichloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,1-Dichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			cis-1,2-Dichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			trans-1,2-Dichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			1,2-Dichloropropane	2007/08/28	ND, RDL=0.1		ug/L	
			cis-1,3-Dichloropropene	2007/08/28	ND, RDL=0.2		ug/L	
			trans-1,3-Dichloropropene	2007/08/28	ND, RDL=0.2		ug/L	
			Ethylbenzene	2007/08/28	ND, RDL=0.1		ug/L	
			Ethylene Dibromide	2007/08/28	ND, RDL=0.2		ug/L	
			Methylene Chloride(Dichloromethane)	2007/08/28	ND, RDL=0.5		ug/L	
			Methyl Isobutyl Ketone	2007/08/28	ND, RDL=5		ug/L	
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28	ND, RDL=5		ug/L	
			Methyl t-butyl ether (MTBE)	2007/08/28	ND, RDL=0.2		ug/L	

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST

Quality Assurance Report (Continued)

Maxxam Job Number: MA790947

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1342800	AAD	Method Blank	Styrene	2007/08/28	ND, RDL=0.1		ug/L	
			1,1,1,2-Tetrachloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,1,2,2-Tetrachloroethane	2007/08/28	ND, RDL=0.2		ug/L	
			Tetrachloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			Toluene	2007/08/28	ND, RDL=0.2		ug/L	
			1,1,1-Trichloroethane	2007/08/28	ND, RDL=0.1		ug/L	
			1,1,2-Trichloroethane	2007/08/28	ND, RDL=0.2		ug/L	
			Trichloroethylene	2007/08/28	ND, RDL=0.1		ug/L	
			Vinyl Chloride	2007/08/28	ND, RDL=0.2		ug/L	
			p+m-Xylene	2007/08/28	ND, RDL=0.1		ug/L	
			o-Xylene	2007/08/28	ND, RDL=0.1		ug/L	
			Xylene (Total)	2007/08/28	ND, RDL=0.1		ug/L	
		RPD [U25696-03]	Acetone (2-Propanone)	2007/08/28	NC		%	40
			Benzene	2007/08/28	NC		%	40
			Bromodichloromethane	2007/08/28	NC		%	40
			Bromoform	2007/08/28	NC		%	40
			Bromomethane	2007/08/28	NC		%	40
			Carbon Tetrachloride	2007/08/28	NC		%	40
			Chlorobenzene	2007/08/28	NC		%	40
			Chloroform	2007/08/28	NC		%	40
			Dibromochloromethane	2007/08/28	NC		%	40
			1,2-Dichlorobenzene	2007/08/28	NC		%	40
			1,3-Dichlorobenzene	2007/08/28	NC		%	40
			1,4-Dichlorobenzene	2007/08/28	NC		%	40
			1,1-Dichloroethane	2007/08/28	NC		%	40
			1,2-Dichloroethane	2007/08/28	NC		%	40
			1,1-Dichloroethylene	2007/08/28	NC		%	40
			cis-1,2-Dichloroethylene	2007/08/28	NC		%	40
			trans-1,2-Dichloroethylene	2007/08/28	NC		%	40
			1,2-Dichloropropane	2007/08/28	NC		%	40
			cis-1,3-Dichloropropene	2007/08/28	NC		%	40
			trans-1,3-Dichloropropene	2007/08/28	NC		%	40
			Ethylbenzene	2007/08/28	NC		%	40
			Ethylene Dibromide	2007/08/28	NC		%	40
			Methylene Chloride(Dichloromethane)	2007/08/28	NC		%	40
			Methyl Isobutyl Ketone	2007/08/28	NC		%	40
			Methyl Ethyl Ketone (2-Butanone)	2007/08/28	NC		%	40
			Methyl t-butyl ether (MTBE)	2007/08/28	NC		%	40
			Styrene	2007/08/28	NC		%	40
			1,1,1,2-Tetrachloroethane	2007/08/28	NC		%	40
			1,1,2,2-Tetrachloroethane	2007/08/28	NC		%	40
			Tetrachloroethylene	2007/08/28	4.1		%	40
			Toluene	2007/08/28	NC		%	40
			1,1,1-Trichloroethane	2007/08/28	NC		%	40
			1,1,2-Trichloroethane	2007/08/28	NC		%	40
			Trichloroethylene	2007/08/28	NC		%	40
			Vinyl Chloride	2007/08/28	NC		%	40
			p+m-Xylene	2007/08/28	NC		%	40
			o-Xylene	2007/08/28	NC		%	40
			Xylene (Total)	2007/08/28	NC		%	40
1343481	JJI	Spiked Blank	D10-Anthracene	2007/08/27		59	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		65	%	30 - 130
			D7-Quinoline	2007/08/27		46	%	30 - 130
			D8-Acenaphthylene	2007/08/27		41	%	30 - 130
			Acenaphthene	2007/08/27		42	%	30 - 130

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST

Quality Assurance Report (Continued)

Maxxam Job Number: MA790947

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1343481	JJI	RPD	Acenaphthene	2007/08/27	24.8		%	40
		Spiked Blank	Acenaphthylene	2007/08/27		41	%	30 - 130
		RPD	Acenaphthylene	2007/08/27	20.0		%	40
		Spiked Blank	Anthracene	2007/08/27		62	%	30 - 130
		RPD	Anthracene	2007/08/27	9.3		%	40
		Spiked Blank	Benzo(a)anthracene	2007/08/27		78	%	30 - 130
		RPD	Benzo(a)anthracene	2007/08/27	7.8		%	40
		Spiked Blank	Benzo(a)pyrene	2007/08/27		66	%	30 - 130
		RPD	Benzo(a)pyrene	2007/08/27	10.6		%	40
		Spiked Blank	Benzo(b/j)fluoranthene	2007/08/27		76	%	30 - 130
		RPD	Benzo(b/j)fluoranthene	2007/08/27	6.5		%	40
		Spiked Blank	Benzo(g,h,i)perylene	2007/08/27		71	%	30 - 130
		RPD	Benzo(g,h,i)perylene	2007/08/27	4.1		%	40
		Spiked Blank	Benzo(k)fluoranthene	2007/08/27		78	%	30 - 130
		RPD	Benzo(k)fluoranthene	2007/08/27	8.9		%	40
		Spiked Blank	Chrysene	2007/08/27		79	%	30 - 130
		RPD	Chrysene	2007/08/27	5.9		%	40
		Spiked Blank	Dibenz(a,h)anthracene	2007/08/27		84	%	30 - 130
		RPD	Dibenz(a,h)anthracene	2007/08/27	5.8		%	40
		Spiked Blank	Fluoranthene	2007/08/27		69	%	30 - 130
		RPD	Fluoranthene	2007/08/27	5.6		%	40
		Spiked Blank	Fluorene	2007/08/27		47	%	30 - 130
		RPD	Fluorene	2007/08/27	19.9		%	40
		Spiked Blank	Indeno(1,2,3-cd)pyrene	2007/08/27		78	%	30 - 130
		RPD	Indeno(1,2,3-cd)pyrene	2007/08/27	5.4		%	40
		Spiked Blank	1-Methylnaphthalene	2007/08/27		38	%	30 - 130
		RPD	1-Methylnaphthalene	2007/08/27	20.9		%	40
		Spiked Blank	2-Methylnaphthalene	2007/08/27		36	%	30 - 130
		RPD	2-Methylnaphthalene	2007/08/27	21.3		%	40
		Spiked Blank	Naphthalene	2007/08/27		37	%	30 - 130
		RPD	Naphthalene	2007/08/27	20.9		%	40
		Spiked Blank	Phenanthrene	2007/08/27		54	%	30 - 130
		RPD	Phenanthrene	2007/08/27	11.6		%	40
		Spiked Blank	Pyrene	2007/08/27		79	%	30 - 130
		RPD	Pyrene	2007/08/27	6.7		%	40
		Method Blank	D10-Anthracene	2007/08/27		61	%	30 - 130
			D14-Terphenyl (FS)	2007/08/27		69	%	30 - 130
			D7-Quinoline	2007/08/27		50	%	30 - 130
			D8-Acenaphthylene	2007/08/27		48	%	30 - 130
			Acenaphthene	2007/08/27	ND, RDL=0.05		ug/L	
			Acenaphthylene	2007/08/27	ND, RDL=0.05		ug/L	
			Anthracene	2007/08/27	ND, RDL=0.05		ug/L	
			Benzo(a)anthracene	2007/08/27	ND, RDL=0.05		ug/L	
			Benzo(a)pyrene	2007/08/27	ND, RDL=0.01		ug/L	
			Benzo(b/j)fluoranthene	2007/08/27	ND, RDL=0.05		ug/L	
			Benzo(g,h,i)perylene	2007/08/27	ND, RDL=0.1		ug/L	
			Benzo(k)fluoranthene	2007/08/27	ND, RDL=0.05		ug/L	
			Chrysene	2007/08/27	ND, RDL=0.05		ug/L	
			Dibenz(a,h)anthracene	2007/08/27	ND, RDL=0.1		ug/L	
			Fluoranthene	2007/08/27	ND, RDL=0.05		ug/L	
			Fluorene	2007/08/27	ND, RDL=0.05		ug/L	
			Indeno(1,2,3-cd)pyrene	2007/08/27	ND, RDL=0.1		ug/L	
			1-Methylnaphthalene	2007/08/27	ND, RDL=0.05		ug/L	
			2-Methylnaphthalene	2007/08/27	ND, RDL=0.05		ug/L	
			Naphthalene	2007/08/27	ND, RDL=0.05		ug/L	

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Barenco Inc
Attention: Vinod Kella
Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST

Quality Assurance Report (Continued)

Maxxam Job Number: MA790947

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1343481	JJI	Method Blank	Phenanthrene	2007/08/27	ND, RDL=0.05		ug/L	
			Pyrene	2007/08/27	ND, RDL=0.05		ug/L	
1346298	JBW	MATRIX SPIKE	Dissolved Antimony (Sb)	2007/08/30		110	%	80 - 120
			Dissolved Arsenic (As)	2007/08/30		103	%	80 - 120
			Dissolved Barium (Ba)	2007/08/30		102	%	80 - 120
			Dissolved Beryllium (Be)	2007/08/30		105	%	75 - 125
			Dissolved Boron (B)	2007/08/30		89	%	75 - 125
			Dissolved Cadmium (Cd)	2007/08/30		106	%	80 - 120
			Dissolved Chromium (Cr)	2007/08/30		103	%	80 - 120
			Dissolved Cobalt (Co)	2007/08/30		103	%	80 - 120
			Dissolved Copper (Cu)	2007/08/30		99	%	80 - 120
			Dissolved Lead (Pb)	2007/08/30		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2007/08/30		109	%	80 - 120
			Dissolved Nickel (Ni)	2007/08/30		98	%	80 - 120
			Dissolved Selenium (Se)	2007/08/30		104	%	80 - 120
			Dissolved Silver (Ag)	2007/08/30		103	%	80 - 120
			Dissolved Sodium (Na)	2007/08/30		105	%	75 - 125
			Dissolved Thallium (Tl)	2007/08/30		102	%	75 - 125
			Dissolved Vanadium (V)	2007/08/30		104	%	80 - 120
			Dissolved Zinc (Zn)	2007/08/30		100	%	80 - 120
		Spiked Blank	Dissolved Antimony (Sb)	2007/08/30		104	%	85 - 115
			Dissolved Arsenic (As)	2007/08/30		103	%	85 - 115
			Dissolved Barium (Ba)	2007/08/30		101	%	85 - 115
			Dissolved Beryllium (Be)	2007/08/30		105	%	85 - 115
			Dissolved Boron (B)	2007/08/30		106	%	85 - 115
			Dissolved Cadmium (Cd)	2007/08/30		103	%	85 - 115
			Dissolved Chromium (Cr)	2007/08/30		104	%	85 - 115
			Dissolved Cobalt (Co)	2007/08/30		103	%	85 - 115
			Dissolved Copper (Cu)	2007/08/30		98	%	85 - 115
			Dissolved Lead (Pb)	2007/08/30		101	%	85 - 115
			Dissolved Molybdenum (Mo)	2007/08/30		103	%	85 - 115
			Dissolved Nickel (Ni)	2007/08/30		98	%	85 - 115
			Dissolved Selenium (Se)	2007/08/30		100	%	85 - 115
			Dissolved Silver (Ag)	2007/08/30		101	%	85 - 115
			Dissolved Sodium (Na)	2007/08/30		107	%	85 - 115
			Dissolved Thallium (Tl)	2007/08/30		100	%	85 - 115
			Dissolved Vanadium (V)	2007/08/30		104	%	85 - 115
			Dissolved Zinc (Zn)	2007/08/30		101	%	85 - 115
		Method Blank	Dissolved Antimony (Sb)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Arsenic (As)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Barium (Ba)	2007/08/30	ND, RDL=5		ug/L	
			Dissolved Beryllium (Be)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Boron (B)	2007/08/30	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2007/08/30	ND, RDL=0.1		ug/L	
			Dissolved Chromium (Cr)	2007/08/30	ND, RDL=5		ug/L	
			Dissolved Cobalt (Co)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Copper (Cu)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Lead (Pb)	2007/08/30	ND, RDL=0.5		ug/L	
			Dissolved Molybdenum (Mo)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Nickel (Ni)	2007/08/30	ND, RDL=1		ug/L	
			Dissolved Selenium (Se)	2007/08/30	ND, RDL=2		ug/L	
			Dissolved Silver (Ag)	2007/08/30	ND, RDL=0.1		ug/L	
			Dissolved Sodium (Na)	2007/08/30	ND, RDL=100		ug/L	
			Dissolved Thallium (Tl)	2007/08/30	ND, RDL=0.05		ug/L	
			Dissolved Vanadium (V)	2007/08/30	ND, RDL=1		ug/L	

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Client Project #: 06043
P.O. #: 06043
Project name: OWEN SOUND,2202-3RD AVE. EAST

Quality Assurance Report (Continued)

Maxxam Job Number: MA790947

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1346298	JBW	Method Blank	Dissolved Zinc (Zn)	2007/08/30	ND, RDL=5		ug/L	
		RPD	Dissolved Antimony (Sb)	2007/08/30	NC		%	25
			Dissolved Arsenic (As)	2007/08/30	NC		%	25
			Dissolved Barium (Ba)	2007/08/30	0.6		%	25
			Dissolved Beryllium (Be)	2007/08/30	NC		%	25
			Dissolved Boron (B)	2007/08/30	2.9		%	25
			Dissolved Cadmium (Cd)	2007/08/30	NC		%	25
			Dissolved Chromium (Cr)	2007/08/30	NC		%	25
			Dissolved Cobalt (Co)	2007/08/30	NC		%	25
			Dissolved Copper (Cu)	2007/08/30	NC		%	25
			Dissolved Lead (Pb)	2007/08/30	NC		%	25
			Dissolved Molybdenum (Mo)	2007/08/30	NC		%	25
			Dissolved Nickel (Ni)	2007/08/30	NC		%	25
			Dissolved Selenium (Se)	2007/08/30	NC		%	25
			Dissolved Silver (Ag)	2007/08/30	NC		%	25
			Dissolved Sodium (Na)	2007/08/30	0.3		%	25
			Dissolved Thallium (Tl)	2007/08/30	NC		%	25
			Dissolved Vanadium (V)	2007/08/30	NC		%	25
			Dissolved Zinc (Zn)	2007/08/30	NC		%	25

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

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Validation Signature Page

Maxxam Job #: A790947

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

MICHAEL WANG,

TROY CARRIERE, B.Sc., C.Chem, Scientific Specialist

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00544826

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7D0581
Received: 2007/11/23, 15:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Acid Extractable Metals in Soil by GF	1	2007/11/27	2007/11/28	CAM SOP-00404	EPA 7010
MOISTURE	1	N/A	2007/11/26	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	1	2007/11/26	2007/11/26	SOP - 00318	EPA 8270

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7D0581
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		W04213		
Sampling Date		2007/11/21		
COC Number		00544826		
	Units	**MW3-B**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	22	0.2	1413008

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A7D0581
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		W04213		
Sampling Date		2007/11/21		
COC Number		00544826		
	Units	**MW3-B**	**RDL**	**QC Batch**
METALS				
Acid Extractable Arsenic (As)	ug/g	23	1	1413770

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0581
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		W04213		
Sampling Date		2007/11/21		
COC Number		00544826		
	Units	**MW3-B**	**RDL**	**QC Batch**
PAHs				
Benzo(a)pyrene	ug/g	0.016	0.005	1413540
Surrogate Recovery (%)				
D10-Anthracene	%	94		1413540
D14-Terphenyl (FS)	%	82		1413540
D7-Quinoline	%	49		1413540
D8-Acenaphthylene	%	71		1413540

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A7D0581
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7D0581

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1413008	COP	RPD	Moisture	2007/11/26	0		%	50
1413540	JJI	MATRIX SPIKE	D10-Anthracene	2007/11/26		86	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		78	%	30 - 130
			D7-Quinoline	2007/11/26		40	%	30 - 130
			D8-Acenaphthylene	2007/11/26		65	%	30 - 130
			Benzo(a)pyrene	2007/11/26		80	%	30 - 130
		Spiked Blank	D10-Anthracene	2007/11/26		104	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		99	%	30 - 130
			D7-Quinoline	2007/11/26		95	%	30 - 130
			D8-Acenaphthylene	2007/11/26		84	%	30 - 130
			Benzo(a)pyrene	2007/11/26		101	%	30 - 130
		Method Blank	D10-Anthracene	2007/11/26		89	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		81	%	30 - 130
			D7-Quinoline	2007/11/26		65	%	30 - 130
			D8-Acenaphthylene	2007/11/26		61	%	30 - 130
			Benzo(a)pyrene	2007/11/26	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2007/11/26	5.8		%	N/A
			Benzo(a)pyrene	2007/11/26	36.6		%	50
1413770	CDH	MATRIX SPIKE	Acid Extractable Arsenic (As)	2007/11/28		112	%	75 - 125
		QC STANDARD	Acid Extractable Arsenic (As)	2007/11/28		107	%	30 - 170
		Method Blank	Acid Extractable Arsenic (As)	2007/11/28	ND, RDL=1		ug/g	
		RPD	Acid Extractable Arsenic (As)	2007/11/28	1.1		%	35

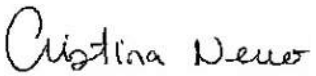
ND = Not detected
N/A = Not Applicable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

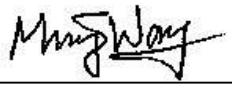
Validation Signature Page

Maxxam Job #: A7D0581

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services



MICHAEL WANG,

==========

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6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00550983

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7D0588
Received: 2007/11/23, 15:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
MOISTURE	1	N/A	2007/11/26	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	1	2007/11/26	2007/11/26	SOP - 00318	EPA 8270

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7D0588
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		W04231		
Sampling Date		2007/11/21		
COC Number		00550983		
	Units	**TP104B**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	9.1	0.2	1413008

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0588
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		W04231		
Sampling Date		2007/11/21		
COC Number		00550983		
	Units	**TP104B**	**RDL**	**QC Batch**
PAHs				
Benzo(a)pyrene	ug/g	1.8 (1)	0.01	1413540
Surrogate Recovery (%)				
D10-Anthracene	%	66		1413540
D14-Terphenyl (FS)	%	78		1413540
D7-Quinoline	%	62		1413540
D8-Acenaphthylene	%	70		1413540

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Due to colour interferences, sample required dilution. Detection limit was adjusted accordingly.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0588
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7D0588

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1413008	COP	RPD	Moisture	2007/11/26	0		%	50
1413540	JJI	MATRIX SPIKE	D10-Anthracene	2007/11/26		86	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		78	%	30 - 130
			D7-Quinoline	2007/11/26		40	%	30 - 130
			D8-Acenaphthylene	2007/11/26		65	%	30 - 130
			Benzo(a)pyrene	2007/11/26		80	%	30 - 130
		Spiked Blank	D10-Anthracene	2007/11/26		104	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		99	%	30 - 130
			D7-Quinoline	2007/11/26		95	%	30 - 130
			D8-Acenaphthylene	2007/11/26		84	%	30 - 130
			Benzo(a)pyrene	2007/11/26		101	%	30 - 130
		Method Blank	D10-Anthracene	2007/11/26		89	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		81	%	30 - 130
			D7-Quinoline	2007/11/26		65	%	30 - 130
			D8-Acenaphthylene	2007/11/26		61	%	30 - 130
			Benzo(a)pyrene	2007/11/26	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2007/11/26	5.8		%	N/A
			Benzo(a)pyrene	2007/11/26	36.6		%	50

ND = Not detected
N/A = Not Applicable
RPD = Relative Percent Difference
SPIKE = Fortified sample

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Validation Signature Page

Maxxam Job #: A7D0588

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

CHRISTINA NERVO, Scientific Services

MICHAEL WANG,

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00550982

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7D0592
Received: 2007/11/23, 15:23

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
MOISTURE	1	N/A	2007/11/26	Ont SOP-0114	MOE HANDBOOK(1983)
PAH Compounds in Soil by GC/MS (SIM)	1	2007/11/26	2007/11/26	SOP - 00318	EPA 8270

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7D0592
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		W04248		
Sampling Date		2007/11/21 09:30		
COC Number		00550982		
	Units	**TP19-B**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	22	0.2	1413008

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0592
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID		W04248		
Sampling Date		2007/11/21 09:30		
COC Number		00550982		
	Units	**TP19-B**	**RDL**	**QC Batch**
PAHs				
Benzo(a)pyrene	ug/g	0.87	0.005	1413540
Surrogate Recovery (%)				
D10-Anthracene	%	90		1413540
D14-Terphenyl (FS)	%	85		1413540
D7-Quinoline	%	65		1413540
D8-Acenaphthylene	%	77		1413540

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0592
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7D0592

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1413008	COP	RPD	Moisture	2007/11/26	0		%	50
1413540	JJI	MATRIX SPIKE	D10-Anthracene	2007/11/26		86	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		78	%	30 - 130
			D7-Quinoline	2007/11/26		40	%	30 - 130
			D8-Acenaphthylene	2007/11/26		65	%	30 - 130
			Benzo(a)pyrene	2007/11/26		80	%	30 - 130
		Spiked Blank	D10-Anthracene	2007/11/26		104	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		99	%	30 - 130
			D7-Quinoline	2007/11/26		95	%	30 - 130
			D8-Acenaphthylene	2007/11/26		84	%	30 - 130
			Benzo(a)pyrene	2007/11/26		101	%	30 - 130
		Method Blank	D10-Anthracene	2007/11/26		89	%	30 - 130
			D14-Terphenyl (FS)	2007/11/26		81	%	30 - 130
			D7-Quinoline	2007/11/26		65	%	30 - 130
			D8-Acenaphthylene	2007/11/26		61	%	30 - 130
			Benzo(a)pyrene	2007/11/26	ND, RDL=0.005		ug/g	
		RPD	D14-Terphenyl (FS)	2007/11/26	5.8		%	N/A
			Benzo(a)pyrene	2007/11/26	36.6		%	50

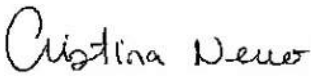
ND = Not detected
N/A = Not Applicable
RPD = Relative Percent Difference
SPIKE = Fortified sample

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

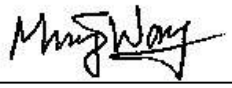
Validation Signature Page

Maxxam Job #: A7D0592

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services



MICHAEL WANG,

==========

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00544825

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7D0600
Received: 2007/11/23, 15:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Acid Extractable Metals in Soil by GF	1	2007/11/27	2007/11/28	CAM SOP-00404	EPA 7010

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7D0600
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		W04283		
Sampling Date		2007/11/21		
COC Number		00544825		
	Units	**SP7-B**	**RDL**	**QC Batch**
METALS				
Acid Extractable Arsenic (As)	ug/g	15	1	1413770

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0600
Report Date: 2007/11/28

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7D0600

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1413770	CDH	MATRIX SPIKE [W04283-01]	Acid Extractable Arsenic (As)	2007/11/28		112	%	75 - 125
		QC STANDARD	Acid Extractable Arsenic (As)	2007/11/28		107	%	30 - 170
		Method Blank	Acid Extractable Arsenic (As)	2007/11/28	ND, RDL=1		ug/g	
		RPD [W04283-01]	Acid Extractable Arsenic (As)	2007/11/28	1.1		%	35

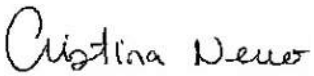
ND = Not detected
RPD = Relative Percent Difference
QC Standard = Quality Control Standard

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Validation Signature Page

Maxxam Job #: A7D0600

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services

==========

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6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00550985

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/27

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7D0597
Received: 2007/11/23, 15:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Total Metals Analysis by ICP	1	2007/11/26	2007/11/27	CAM SOP-00408	EPA 6010

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7D0597
Report Date: 2007/11/27

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		W04259		
Sampling Date		2007/11/21		
COC Number		00550985		
	Units	**MW7-B**	**RDL**	**QC Batch**
METALS				
Acid Extractable Molybdenum (Mo)	ug/g	4	2	1413626

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0597
Report Date: 2007/11/27

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7D0597

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1413626	KCO	MATRIX SPIKE	Acid Extractable Molybdenum (Mo)	2007/11/27		99	%	75 - 125
		Method Blank	Acid Extractable Molybdenum (Mo)	2007/11/27	ND, RDL=2		ug/g	

ND = Not detected

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Validation Signature Page

Maxxam Job #: A7D0597

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

TROY CARRIERE, B.Sc., C.Chem, Scientific Specialist

==========

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00550984

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2007/11/26

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A7D0585
Received: 2007/11/23, 15:23

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Petroleum Hydro. CCME F1 & BTEX in Soil	1	2007/11/23	2007/11/23	CAM SOP-00315	CCME CWS
Petroleum Hydrocarbons F2-F4 in Soil	1	2007/11/23	2007/11/25	CAM SOP-00316	CCME CWS
MOISTURE	1	N/A	2007/11/24	Ont SOP-0114	MOE HANDBOOK(1983)

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

VALENTINA ULLOA, Project Manager
Email: valentina.ulloa@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A7D0585
Report Date: 2007/11/26

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		W04220		
Sampling Date		2007/11/21		
COC Number		00550984		
	Units	**TP15-B**	**RDL**	**QC Batch**
INORGANICS				
Moisture	%	18	0.2	1412825

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A7D0585
Report Date: 2007/11/26

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID		W04220		
Sampling Date		2007/11/21		
COC Number		00550984		
	Units	**TP15-B**	**RDL**	**QC Batch**
F1 PHC and BTEX				
Benzene	ug/g	ND	0.1	1412656
Toluene	ug/g	ND	0.1	1412656
Ethylbenzene	ug/g	5.7	0.1	1412656
o-Xylene	ug/g	5.5	0.1	1412656
p+m-Xylene	ug/g	31	0.2	1412656
Total Xylenes	ug/g	37	0.2	1412656
F1 (C6-C10)	ug/g	310	50	1412656
F1 (C6-C10) - BTEX	ug/g	270	50	1412656
F2-F4 PHC				
F2 (C10-C16 Hydrocarbons)	ug/g	1200	10	1412677
F3 (C16-C34 Hydrocarbons)	ug/g	450	10	1412677
F4 (C34-C50 Hydrocarbons)	ug/g	ND	10	1412677
Reached Baseline at C50	ug/g	Yes		1412677
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	101		1412656
4-Bromofluorobenzene	%	97		1412656
D10-Ethylbenzene	%	95		1412656
D4-1,2-Dichloroethane	%	101		1412656
o-Terphenyl	%	87		1412677

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A7D0585
Report Date: 2007/11/26

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Note: F1BTEX - all soils were Methanol extracted on 2007/11/23

Sample W04220-01: F1/BTEX Analysis: Sample was diluted due to high concentration of target compounds. Reporting limits were adjusted accordingly.

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA7D0585

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1412656	ABD	MATRIX SPIKE	1,4-Difluorobenzene	2007/11/23		100	%	60 - 140
			4-Bromofluorobenzene	2007/11/23		99	%	60 - 140
			D10-Ethylbenzene	2007/11/23		92	%	30 - 130
			D4-1,2-Dichloroethane	2007/11/23		92	%	60 - 140
			Benzene	2007/11/23		87	%	60 - 140
			Toluene	2007/11/23		93	%	60 - 140
			Ethylbenzene	2007/11/23		88	%	60 - 140
			o-Xylene	2007/11/23		91	%	60 - 140
			p+m-Xylene	2007/11/23		94	%	60 - 140
			F1 (C6-C10)	2007/11/23		103	%	60 - 140
		Spiked Blank	1,4-Difluorobenzene	2007/11/23		98	%	60 - 140
			4-Bromofluorobenzene	2007/11/23		100	%	60 - 140
			D10-Ethylbenzene	2007/11/23		91	%	30 - 130
			D4-1,2-Dichloroethane	2007/11/23		99	%	60 - 140
			Benzene	2007/11/23		89	%	60 - 140
			Toluene	2007/11/23		93	%	60 - 140
			Ethylbenzene	2007/11/23		88	%	60 - 140
			o-Xylene	2007/11/23		92	%	60 - 140
			p+m-Xylene	2007/11/23		93	%	60 - 140
			F1 (C6-C10)	2007/11/23		107	%	60 - 140
		Method Blank	1,4-Difluorobenzene	2007/11/23		98	%	60 - 140
			4-Bromofluorobenzene	2007/11/23		98	%	60 - 140
			D10-Ethylbenzene	2007/11/23		92	%	30 - 130
			D4-1,2-Dichloroethane	2007/11/23		100	%	60 - 140
			Benzene	2007/11/23	ND, RDL=0.02		ug/g	
			Toluene	2007/11/23	ND, RDL=0.02		ug/g	
			Ethylbenzene	2007/11/23	ND, RDL=0.02		ug/g	
			o-Xylene	2007/11/23	ND, RDL=0.02		ug/g	
			p+m-Xylene	2007/11/23	ND, RDL=0.04		ug/g	
			Total Xylenes	2007/11/23	ND, RDL=0.04		ug/g	
			F1 (C6-C10)	2007/11/23	ND, RDL=10		ug/g	
			F1 (C6-C10) - BTEX	2007/11/23	ND, RDL=10		ug/g	
		RPD	Benzene	2007/11/23	NC		%	50
			Toluene	2007/11/23	NC		%	50
			Ethylbenzene	2007/11/23	NC		%	50
			o-Xylene	2007/11/23	NC		%	50
			p+m-Xylene	2007/11/23	NC		%	50
			Total Xylenes	2007/11/23	NC		%	50
			F1 (C6-C10)	2007/11/23	NC		%	50
			F1 (C6-C10) - BTEX	2007/11/23	NC		%	50
1412677	LSY	MATRIX SPIKE	o-Terphenyl	2007/11/25		90	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/11/25		85	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2007/11/25		85	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2007/11/25		85	%	60 - 130
		Spiked Blank	o-Terphenyl	2007/11/25		85	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/11/25		82	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2007/11/25		82	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2007/11/25		82	%	60 - 130
		Method Blank	o-Terphenyl	2007/11/25		81	%	30 - 130
			F2 (C10-C16 Hydrocarbons)	2007/11/25	ND, RDL=10		ug/g	
			F3 (C16-C34 Hydrocarbons)	2007/11/25	ND, RDL=10		ug/g	
			F4 (C34-C50 Hydrocarbons)	2007/11/25	ND, RDL=10		ug/g	
		RPD	F2 (C10-C16 Hydrocarbons)	2007/11/25	NC		%	50
			F3 (C16-C34 Hydrocarbons)	2007/11/25	5.3		%	50
			F4 (C34-C50 Hydrocarbons)	2007/11/25	NC		%	50

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA7D0585

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1412825	FOT	RPD	Moisture	2007/11/24	7.0		%	50

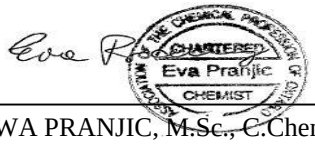
ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Validation Signature Page

Maxxam Job #: A7D0585

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



EWA PRANJIC, M.Sc., C.Chem, Scientific Specialist

MEDHAT RISKALLAH, Manager, Hydrocarbon Department

MAMDOUH SALIB, Analyst, Hydrocarbons

==========

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00555460

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2008/04/10

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A833988
Received: 2008/04/08, 14:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
MOISTURE	1	N/A	2008/04/09	Ont SOP-0114	MOE HANDBOOK(1983)
Volatile Organic Compounds in Soil	1	N/A	2008/04/09	CAM SOP-00226	EPA 8260 modified

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

SARA SAROOP, Campobello Customer service
Email: Sara.Saroop@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A833988
Report Date: 2008/04/10

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		X97913		
Sampling Date		2008/04/07 11:30		
COC Number		00555460		
	Units	**TP5**	**RDL**	**QC Batch**
Inorganics				
Moisture	%	12	0.2	1490597

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A833988
Report Date: 2008/04/10

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (SOIL)

Maxxam ID		X97913		
Sampling Date		2008/04/07 11:30		
COC Number		00555460		
	Units	**TP5**	**RDL**	**QC Batch**
Volatile Organics				
Vinyl Chloride	ug/g	ND	0.002	1490445
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	83		1490445
D4-1,2-Dichloroethane	%	88		1490445
D8-Toluene	%	106		1490445

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A833988
Report Date: 2008/04/10

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA833988

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1490445	RZH	MATRIX SPIKE	4-Bromofluorobenzene	2008/04/09		96	%	60 - 140
			D4-1,2-Dichloroethane	2008/04/09		84	%	60 - 140
			D8-Toluene	2008/04/09		103	%	60 - 140
			Vinyl Chloride	2008/04/09		73	%	34 - 136
		Spiked Blank	4-Bromofluorobenzene	2008/04/09		99	%	60 - 140
			D4-1,2-Dichloroethane	2008/04/09		90	%	60 - 140
			D8-Toluene	2008/04/09		103	%	60 - 140
			Vinyl Chloride	2008/04/09		76	%	60 - 140
		Method Blank	4-Bromofluorobenzene	2008/04/09		94	%	60 - 140
			D4-1,2-Dichloroethane	2008/04/09		89	%	60 - 140
			D8-Toluene	2008/04/09		107	%	60 - 140
			Vinyl Chloride	2008/04/09	ND, RDL=0.002		ug/g	
		RPD	Vinyl Chloride	2008/04/09	NC		%	50
1490597	FOT	RPD	Moisture	2008/04/09	7.2		%	50

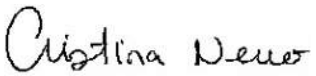
ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Validation Signature Page

Maxxam Job #: A833988

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services

==========

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00555464

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2008/04/11

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A833986
Received: 2008/04/08, 14:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Total Metals Analysis by ICP	1	2008/04/10	2008/04/10	CAM SOP-00408	EPA 6010

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

SARA SAROOP, Campobello Customer service
Email: Sara.Saroop@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A833986
Report Date: 2008/04/11

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID		X97911		
Sampling Date		2008/04/07 12:00		
COC Number		00555464		
	Units	**TP115**	**RDL**	**QC Batch**
Metals				
Acid Extractable Lead (Pb)	ug/g	20	5	1490914

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A833986
Report Date: 2008/04/11

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA833986

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1490914	KCO	MATRIX SPIKE	Acid Extractable Lead (Pb)	2008/04/10		88	%	75 - 125
		QC STANDARD	Acid Extractable Lead (Pb)	2008/04/10		92	%	75 - 125
		Method Blank	Acid Extractable Lead (Pb)	2008/04/10	ND, RDL=5		ug/g	
		RPD	Acid Extractable Lead (Pb)	2008/04/10	NC		%	35

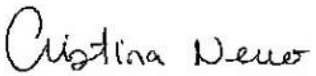
ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Validation Signature Page

Maxxam Job #: A833986

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services

==========

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Your P.O. #: 06043
Your Project #: 06043
Your C.O.C. #: 00539015

Attention: Carolyn Singer
Barenco Inc
2561 Stouffville Rd
PO Box 295
Gormley, ON
L0H 1G0

Report Date: 2008/04/10

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A833976
Received: 2008/04/08, 14:22

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
MOISTURE	1	N/A	2008/04/09	Ont SOP-0114	MOE HANDBOOK(1983)
Volatile Organic Compounds in Soil	1	N/A	2008/04/09	CAM SOP-00226	EPA 8260 modified

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

SARA SAROOP, Campobello Customer service
Email: Sara.Saroop@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5821

==========

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For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A833976
Report Date: 2008/04/10

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

RESULTS OF ANALYSES OF SOIL

Maxxam ID		X97862		
Sampling Date		2008/04/07 10:30		
COC Number		00539015		
	Units	**MW 11**	**RDL**	**QC Batch**
Inorganics				
Moisture	%	14	0.2	1490597

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: 905-817-5700 Toll free:800-563-6266 Fax: 905-817-5777

Maxxam Job #: A833976
Report Date: 2008/04/10

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

VOLATILE ORGANICS BY GC/MS (SOIL)

Maxxam ID		X97862		
Sampling Date		2008/04/07 10:30		
COC Number		00539015		
	Units	**MW 11**	**RDL**	**QC Batch**
Volatile Organics				
Vinyl Chloride	ug/g	ND	0.002	1490445
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	81		1490445
D4-1,2-Dichloroethane	%	90		1490445
D8-Toluene	%	113		1490445

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A833976
Report Date: 2008/04/10

Barenco Inc
Client Project #: 06043
Project name:
Your P.O. #: 06043
Sampler Initials:

GENERAL COMMENTS

Results relate only to the items tested.

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Barenco Inc
Attention: Carolyn Singer
Client Project #: 06043
P.O. #: 06043
Project name:

Quality Assurance Report

Maxxam Job Number: MA833976

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1490445	RZH	MATRIX SPIKE	4-Bromofluorobenzene	2008/04/09		96	%	60 - 140
			D4-1,2-Dichloroethane	2008/04/09		84	%	60 - 140
			D8-Toluene	2008/04/09		103	%	60 - 140
			Vinyl Chloride	2008/04/09		73	%	34 - 136
		Spiked Blank	4-Bromofluorobenzene	2008/04/09		99	%	60 - 140
			D4-1,2-Dichloroethane	2008/04/09		90	%	60 - 140
			D8-Toluene	2008/04/09		103	%	60 - 140
			Vinyl Chloride	2008/04/09		76	%	60 - 140
		Method Blank	4-Bromofluorobenzene	2008/04/09		94	%	60 - 140
			D4-1,2-Dichloroethane	2008/04/09		89	%	60 - 140
			D8-Toluene	2008/04/09		107	%	60 - 140
			Vinyl Chloride	2008/04/09	ND, RDL=0.002		ug/g	
		RPD	Vinyl Chloride	2008/04/09	NC		%	50
1490597	FOT	RPD	Moisture	2008/04/09	7.2		%	50

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
SPIKE = Fortified sample

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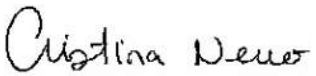
Validation Signature Page

Maxxam Job #: A833976

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



CHRISTINA NERVO, Scientific Services

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

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