CDM

Contamination Assessment
LeatherCare, Inc.
901/921 Elliott Avenue
Seattle, Washington

July 25, 2006

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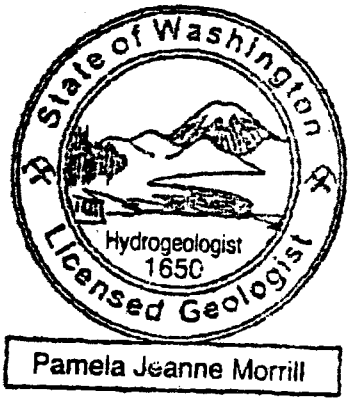
CDM Project No. 38057.47522

A Report Prepared For:
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Seattle, Washington 98101-3034

CONTAMINATION ASSESSMENT
LEATHERCARE INC
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SEATTLE, WASHINGTON

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Executive Summary

This report presents the results of Camp Dresser & McKee Inc.'s (CDM) contamination assessment for two parcels addressed as 901 & 921 Elliott Avenue West in Seattle, Washington. Ryan, Swanson & Cleveland, PLLC retained CDM to perform this work on behalf of the property owner, Mr. Steven Ritt.

The property addressed as 901 Elliott Avenue W, is completely covered by a 16,800 square foot (sf) (0.39 acre) masonry building, which is occupied by LeatherCare, Inc., a large commercial dry cleaning facility that has occupied the property since 1985. The property addressed as 921 Elliott Avenue W contains three structures used as office, storage, and warehouse facilities, and is occupied by Greg Thompson Productions. Greg Thompson Productions designs and creates the stage, screen and studio sets for Hollywood, Broadway, and Las Vegas productions. The LeatherCare property is bound by W Roy Street to the south followed by the north parking lot for WestFarm Foods (WFF). W Roy Street is used by LeatherCare for parking and storage. The LeatherCare and Greg Thompson Production parcels and W Roy Street are referred to collectively as the "Subject Property." The Subject Property, along with the WFF property, are collectively referred to as the "Investigation Area."

During investigations of hydrocarbon contamination at the adjacent WFF parking lot, WFF's consultant Entrix, Inc. (Entrix) identified the presence of chlorinated volatile organic compounds (cVOCs) in groundwater. The cVOCs detected include the common dry cleaning solvent tetrachloroethene (PCE), and its degradation products trichloroethene (TCE), *cis*-1,2-dichloroethene (*c*-1,2-DCE), and vinyl chloride (VC). Entrix suspected that a release of PCE had occurred from LeatherCare, resulting in an impact of cVOC contamination on the WestFarm Foods property.

In May 2006 CDM conducted a field investigation that included installing two piezometers in drive-point test holes and seven monitoring wells in drilled boreholes on the Subject Property and purging and sampling the newly installed wells, as well as nine existing wells on the WFF property. Collected soil and groundwater samples were subsequently submitted for laboratory analyses.

The results of this investigation identified PCE and its degradation products in soil and groundwater throughout the Subject Property that are likely the result of historical use of PCE at LeatherCare. However, the cVOC concentrations are relatively low throughout the Subject Property. PCE exceeded its Model Toxics Control Act (MTCA) Method A cleanup level of 5 micrograms per liter (µg/L) at two locations and TCE exceeded its MTCA Method A cleanup level of 5 µg/L at only one location. Concentrations of these two compounds ranged between 9.4 and 14 µg/L where the detections exceeded the MTCA Method A cleanup level. The contaminant profile across the Subject Property is indicative of small, incidental releases that may have occurred at several locations. PCE concentrations are not high enough to be indicative of the presence of free phase product. VC is pervasive throughout the Subject Property, but again detected concentrations of VC are relatively low, ranging between 1.2 and 19 µg/L.

The VC plume has migrated into the north parking lot area of the WFF property, where it has met with the existing hydrocarbon plume that originates on the WFF property. VC concentrations on the WFF property are lower than that observed on the Subject Property, ranging between 0.2 and 3.2 µg/L. PCE, TCE, and *c*-1,2-DCE on the WFF property have been reduced to concentrations that do not exceed MTCA cleanup levels.

Field monitoring, and chemical and biological testing data conducted in soil and groundwater, along with historical groundwater chemical data, indicate that biological degradation processes are actively occurring to reduce contaminant concentrations. Based on the low concentrations of cVOCs and the apparent biodegradation processes that are occurring throughout the Investigation Area, Monitored Natural Attenuation appears to be a viable option and rationale for cVOCs.

The hydrocarbon plume within the WFF north parking lot appears to be somewhat recalcitrant to natural attenuation processes, although some biological activity is apparent. The fuel likely resulted from a fuel supplier (wood, coal, petroleum) that had occupied the WFF north parking lot area between about 1921 and 1956, so the plume is between 50 and 75 years old. Primary factors affecting the low rate of degradation could include the presence of free phase hydrocarbons, the types of hydrocarbons remaining (i.e., heavier end diesel and oil range petroleum hydrocarbons that remain tend be slow to degrade), and the anaerobic conditions.

Section 1
Introduction

1.1 General

This report presents the results of Camp Dresser & McKee Inc.'s (CDM) Contamination Assessment for two parcels addressed as 901 & 921 Elliott Avenue West in Seattle, Washington. Ryan, Swanson & Cleveland, PLLC retained CDM to perform this work on behalf of the current property owner, Mr. Steven Ritt. This assessment was performed in general accordance with our January 31, 2006 proposal.

1.2 Background

During investigations of hydrocarbon contamination at the adjacent WestFarm Foods (WFF) parking lot, WFF's consultant Entrix, Inc. (Entrix) identified the presence of chlorinated volatile organic compounds (cVOCs) in groundwater. The cVOCs detected include the common dry cleaning solvent tetrachloroethene (PCE), and its degradation products trichloroethene (TCE), *cis*-1,2-dichloroethene (*c*-1,2-DCE), and vinyl chloride (VC). The subject property parcel addressed as 901 Elliott Avenue W, located to the north of the WestFarm Foods property, is occupied by a dry cleaning establishment, LeatherCare, Inc., which historically used PCE. Therefore, Entrix suspected that a release of PCE had occurred from the LeatherCare site, resulting in an impact of cVOC contamination on the WestFarm Foods property.

1.3 Purpose and Scope of Work

The purpose of this investigation was to:

1) Evaluate possible contaminants and their sources on the site and in the general site area based on historical activities.

2) Identify the type(s), extent, and concentrations of contaminants of concern (COC).

3) Evaluate natural attenuation processes affecting COCs in groundwater.

To complete this investigation, CDM conducted the following tasks.

- Conducted research of historical land uses of the site and surrounding area.
- Reviewed reports concerning contaminant investigations and monitoring conducted for the adjacent WestFarm Foods property.
- Reviewed databases on contaminated sites reported to federal and state agencies.
- Extended nine soil borings to 14 feet below ground surface (ft bgs).

- Installed ¾-inch diameter piezometers in two of the borings and 2-inch diameter groundwater monitoring wells in seven of the borings.
- Surveyed the relative elevation and location of each monitoring well to determine groundwater flow direction.
- Conducted a complete round of water level measurements for all newly installed wells and all monitoring wells on the WestFarm Foods property that are located between W Roy Street and the WestFarm Foods building.
- Collected soil samples from each borehole during drilling for observation, field screening and potential laboratory analysis.
- Submitted one or more soil samples from selected boreholes for laboratory analysis of cVOCs, total organic carbon, and/or bioavailable ferric iron.
- Purged and sampled each of the newly installed groundwater monitoring wells and eight existing monitoring wells located on the WestFarm Foods property.
- Submitted collected groundwater samples for laboratory analysis of volatile organic compounds (VOCs), various inorganic parameters, and DNA analysis for relative biomass levels and the presence of *Dehalococcoides spp.* bacteria (DHC).
- Evaluated the data and prepared this report documenting our findings and conclusions.

Section 2
Site Setting and Description

2.1 Location and Setting

The site is located at the base of Queen Anne Hill, about 650 feet northwest of the shoreline of Elliott Bay. It is located on Elliott Avenue W, which parallels Elliot Bay extending between Piers 66 and 90 (**Figure 1**). Terminal 86 is located approximately west of the site. **Figure 2** shows the site and area features. The site and properties to the north, south and west are zoned IC-45 (industrial-commercial). Properties to the east, across Elliott Avenue W are zoned commercial.

2.2 Site Description and Land Use

The subject property consists of two tax parcels. Parcel 3879902235, addressed as 901 Elliott Avenue West, is completely covered by a 16,800 square foot (sf) (0.39 acre) masonry building. The building is occupied by LeatherCare, Inc., a large commercial dry cleaning facility. Parcel 7666201980 is 27,770 sf in size (0.64 acre) and contains three wood-frame structures. The structures, used as office, storage, and warehouse facilities, are 10,800 sf, 2310 sf, and 1800 sf in size. Open areas between the buildings are asphalt and concrete-paved and also contain additional storage sheds. This parcel is occupied by Greg Thompson Productions. Greg Thompson Productions designs and creates the stage, screen and studio sets for Hollywood, Broadway, and Las Vegas productions.

Access and parking for LeatherCare are on W Roy Street, a dead end road that bounds the south side of the LeatherCare parcel. LeatherCare has a use permit with the City of Seattle for part of W Roy Street for parking and storage.

2.3 Surrounding Area Description and Land Use

Solid wooden and chain link fencing bound the property line to the west, beyond which are several railroad lines. A large grain depot is located between the railroad tracks and Elliot Bay. To the south, beyond W Roy Street is a large asphalt-paved parking area for WestFarm Foods employees. The WestFarm Foods parking lot is surrounded by chain link fencing and is accessed by a gated entrance on W Roy Street. To the south of the parking lot, beyond a concrete block wall, are the WestFarm Foods building and additional parking. To the southeast, across Elliott Ave. (east of the WestFarm Foods parking lot) is a 31 Flavors ice cream store. W Mercer Place and a vacated portion of W Roy Street are east of W Roy Street across Elliott Avenue. To the east of the subject property, across Elliott Ave W are City and Team Ministries (900-904), S. Griffin Office (920) and Creative Home Center (934). To the north, adjacent to the Greg Thompson productions parcel is Contract Hardware, Inc. (945), which provides specification and consulting services to architects, contractors, and end users.

2.4 Area of Investigation

This investigation encompassed the LeatherCare and Greg Thompson Productions parcels, as well as W Roy Street and parking lot areas on the WestFarm Foods property that are north and west of the existing building as shown on **Figure 2**. This report references these properties together as the "Investigation Area." Throughout this report the area referred to as the "Subject Property" encompasses the Greg Thompson Productions parcel, the LeatherCare parcel, and W Roy Street. Singly, individual properties are referred to as the "GTP parcel" (Greg Thompson Productions), "LC property" (LeatherCare parcel and W Roy Street), and the "WFF property" (WestFarm Foods). Parking areas within the WFF property are sometimes broken out and referred to as the WFF north and central parking lots as shown on **Figure 2**.

2.5 Physical Setting

2.5.1 Topography

The land surface relief within the general site area and westward toward Elliott Bay is fairly gentle, but sharply rises to the northeast up Queen Anne Hill, which reaches an elevation of about 450 feet within about one third of a mile northeast of the site. The elevation of the Subject Property and immediate site area (i.e., Elliott Avenue W and the WestFarm Foods property) ranges from approximately 13 to 20 feet above mean level (MSL). The overall land surface in the area slopes both downward from east to west (Elliot Avenue W toward Elliot Bay) and from south to north (i.e., from the WFF property northward through the north end of the Subject Property). The land surface across paved areas within the area investigated is generally uneven, particularly in the WestFarm Foods parking lots. Some of the unevenness may indicate ongoing subgrade settlement of subsurface soils in the general site area.

2.5.2 Site Area Physiographic/Geologic Conditions

The city of Seattle lies within the Puget Sound Lowland, a north-south trending structural and topographic glacially scoured depression bordered on the west by the Olympic Mountains and on the east by the Cascade Mountains. Repeated glacial advances over the period of the Ice Ages alternately deposited and then compressed massive amount of glacially derived soils over bedrock.

The Subject Property, however, is located on approximately 14 feet of fill, which overlies former tidelands. The tide-flat sediments are either underlain by Vashon till, which is a very dense, unsorted mixture of clay, silt, sand, and gravel, or a massive, dark gray, hard silty clay known as Lawton clay.

2.5.3 Site Area Hydrologic Conditions

Groundwater underlying the subject property occurs in the fill at approximately 2 to 4 ft bgs. The overall direction of groundwater flow in the general site area is expected to be toward the west, toward Elliot Bay. However, the gradient within the Investigation Area appears to be very flat with the groundwater flow direction varying on a localized basis, as discussed in Section 6.1.

Section 3
Subject Property and Area History

3.1 Information Sources

This section provides a summary of the historical land use of the Subject Property and immediately surrounding area with a focus on identifying potential onsite and off site contamination sources in the Investigation Area. CDM reviewed historical Seattle City Polk directories, topographic maps, archived tax assessor records, historical photographs, Sanborn maps, microfiche drawings on file at the Seattle Building and Land Use Dept., City of Seattle sewer cards, prior reports prepared by Entrix, a Phase 1 environmental site assessment (ESA) conducted for the Subject Property, and conducted a database search of known and suspected contaminated sites in the area.

Polk directories were reviewed for selected years between 1938 and 1996. Topographic maps reviewed are dated 1897, 1909, 1949, 1968, 1973, and 1983. Tax assessor records available at the Puget Sound Regional Archives were maintained between approximately 1938 and 1971, with earlier construction dates indicated on the records. Aerial photographs for years 1936, 1946, 1956, 1965, 1977, 1985 and 1990 were obtained. Sanborn maps available for the Investigation Area are dated 1917, 1950, and 1969. Permit records going back as far as 1929 were found in the Microfiche Seattle Building Department drawings, but most records were from about 1945 and later. Seattle sewer cards cover the years between approximately 1921 and 1986, based on the dates listed on the cards. Copies of these historical information sources, or notes from the review of these sources, are included in **Appendix A.**

3.2 Pre-Development

Topographic maps indicate that in 1909 Elliot Bay bordered Elliot Avenue W and that all the land west of the Elliot Avenue W was tide flats. The railroad lines existed, but were constructed on trestles. The filling of the area between Elliott Avenue W. and the railroad tracks occurred approximately during the 1910s to early 1920s, based on the fact that area was undergoing installation of sewer lines in 1921 and that the 1917 Sanborn map still showed the site area to be tidelands. In the Seattle area, artificial fills along the waterfront may have been sluice-deposited, dump deposited, and/or non-engineered garbage and debris dumps (Galster and Laprade, 1991, In Entrix, Inc., 2001). Based on observations during site drilling, we interpret most of the fill underlying the Subject Property to be sluice deposited.

3.3 LeatherCare Parcel

The LC parcel was developed about 1924 based on tax assessor records. Building department records contain plans for an "apple product factory" and a dwelling. The dwelling may have been occupied by a seamstress ("Alter Factory for Anna Schwartz"). The apple product factory included apple processing rooms (paring, grating) and cold storage. Tax assessor records show a 1,772 sf wood frame warehouse located at the corner of Elliott Avenue W and W Roy Street. The building

had a full, cement floored basement. The property also contained a 100 sf ice box, 28 ft by 53 ft cold storage building, and a shed. These buildings are apparent in the 1936 photograph and the property boundary appears to be fenced. By 1946 a new building was added across the southern side of the property, which Sanborn maps indicate was for cider manufacturing. The tax assessor records indicate that a 68 ft by 77 ft cold storage building was added to the property addressed as 909 Elliot Avenue W in 1947 - it seems to have been a building that replaced the original cold storage building located to the north of the warehouse building.

Polk directories and Sanborn maps indicate the site was occupied by American Conserving continuously from 1938 or earlier until 1985 when LeatherCare purchased the property. American Conserving manufactured cider. LeatherCare conducted extensive remodeling and built out the property after its purchase. Old building drawings obtained from LeatherCare show above ground tanks, floor troughs and other features of the former apple cider operation. LeatherCare filled the troughs and removed the tanks prior to occupying the property.

3.4 Greg Thompson Productions Parcel

Historically, this parcel has had the addresses of 915, 919, 921 and possibly 925 Elliott Avenue W associated with it. Sewer cards and tax assessor records indicate that the current office building on the parcel was constructed about 1926 and was originally occupied by the Mars Port Building Company. The 1936 photograph shows the building and a smaller shed between it and the railroad tracks, but the remainder of the parcel was essentially undeveloped. Polk directories indicate that in 1938 this building was occupied by Elliott Avenue Building Co. Contractors and was subsequently occupied by a series of similar construction contractors, sometimes with multiple tenants, including: cabinet/furniture manufacturers (1950-1970), vinyl siding supplier (1965-1970), elevator repair company (1973 - 1980), and then by NW Auto Sound. Greg Thompson Productions occupied the property in 1990.

It is not certain where the address of 925 Elliott Avenue W belongs on the GTP parcel or the adjacent parcel to the north. In the 1930s and 1940s Polk directories indicate this address was occupied by the Johnson company furniture repair and refinishing. Aerial photographs for 1936 and 1946 indicate a possible small building in the field to the north of the site. However, it is interesting to note that once the 925 address no longer existed, a furniture company co-occupied the 921 address with the Construction Company. It is possible that the 921 and 925 addresses are the same location.

At 919 Elliott Avenue W, a 288 sf office building was located off the southeast corner of the main building and was occupied by Arts Transfer from 1945 until approximately 1960. In 1980 the building was occupied by an electronic air cleaner repair service provider. The building appeared to have been removed by 1985.

From about 1953 to 1958 NW Stone Products occupied a portion of the property addressed as 915 Elliott Avenue W. A 130 sf office was associated with this business, but was removed in 1958.

The two existing buildings, besides the office building, appear to have been constructed between 1977 and 1985 and may have been constructed for use by the occupants in the 1921-vintage office building.

Tax assessor records indicate the site was serviced by a rail spur that extended along the west side of the site, but were removed by about 1971.

3.5 WestFarm Foods North Parking Lot

The WFF north parking area historically had the addresses of 669, 675, 711 and 717 associated with it. The earliest known development was Pecks Wood & Coal Company (Pecks), which was addressed as 717 Elliott Avenue W. Based on the Polk directories, tax assessor records and sewer cards, Peck operated on the parcel between 1921 and 1956. **Figure 2** shows the layout of historical buildings occupied by Pecks as seen in 1936 and 1946 aerial photographs. The buildings associated with Pecks operations were concentrated in the northern half of the WFF north parking lot, and several were lined up along the edge of W Roy Street. The 1936 photograph shows a large warehouse-like structure centrally located behind the buildings that fronted W Roy Street and behind this building were several rows of what we interpret to be cord wood. The large warehouse building was removed by 1946. There was a "grease shed" located approximately midway along the property that fronts Elliott Avenue W. A photograph in the tax assessor records shows a sign on the building that reads "Mobilgas" and "Mobil oil."

According to a report by Entrix (2001), the facility included an 18-ton coal truck scale, two 6,500-gallon above ground fuel tanks (ASTs) and two 55-gallon underground storage tanks (USTs). Consolidated Dairy Products Company (CDPC), when it purchased the property in 1956, attempted to sell the two 6,500 gallon fuel ASTs, which were reportedly removed from dry sand storage pits and were in "excellent condition." The two USTs were decommissioned in place. The approximate UST locations, based on the Entrix's figures are shown on **Figure 2**. However, the USTs, which extend partway into the sidewalk are more likely located slightly farther south—in front of the former Mobile oil station. CDPC tore down the buildings and constructed the parking lot in 1957.

In about 1941 a restaurant building was constructed to the south of Pecks, on a parcel just north of the dividing line between the WFF north and central parking lots. Restaurants occupied this building until the early 1960s when a dance studio took it over. The building was torn down in 1966 and became part of the WFF north parking lot.

3.6 WestFarm Foods Central Parking Lot and Structures

The parcel at 635 Elliott Avenue W has been occupied by a dairy products company since about 1929. CDPC was listed in Polk directories dated 1938 through 1980 and changed to Darigold Inc. in 1989. Darigold is a subsidiary of WestFarm Foods.

The buildings and facilities include or have included: processing areas, shipping, offices, cold storage, packaging, warehouse, and garages. Numerous facility remodeling and additions have occurred over the years. Building department records show the addition of a garage, cold storage rooms, incinerator, boiler fuel storage tank (550-gallon AST in the basement), warehouses, and third floor addition offices, as well as demolition of a warehouse in 1999.

3.7 Elliott Avenue W – East Side

On the east side of Elliott Avenue W, just east of the WFF north parking lot, and the Subject Property are the current/historical addresses of 660, 664, 900 – 912 (even numbers), 920, 926, and 934.

A Baskin Robbins ice cream parlor currently occupies the address of 660. Polk directories and aerial photographs indicate that a gas station/service garage occupied this same approximately area (664) from the 1930s until the mid-1950s.

A series of small businesses occupied the building with addresses between 900-912 including: restaurants, sausage manufacturer, candy manufacturer, appliance service and sales, furniture and upholstery wholesaler, General Mills sales offices, musical instrument sales, wholesale hardware, construction surveyors, meter manufacturer, carpet brokerage, publishing company, lighting equipment manufacturer, and awning company. The current occupant at the address 900-904 is City Team Ministries.

The address at 920 Elliott Avenue W has been occupied by a sheet metal works company (1930s-1940s+), ornamental iron works (1970-1980s), and Phillips Scale company (1989 -1996). The current occupant is the S. Griffin Office.

The address at 926 Elliott Avenue W was occupied by a sheet metal works between 1938 and 1942, but the address was removed from the books by 1948.

The address at 934 Elliott Avenue W was occupied by Instrument Laboratory Inc. industrial instruments between 1948 and 1970, followed by Keystone Engineering (electronic engineer) in 1980, and Phillips Scale Co. between 1989 and 1996. The present occupant at this location is Creative Home Center.

Except for the former gasoline station, and possibly the publishing company, the natures of the businesses identified above do not imply a strong likelihood of significant chemical use and therefore, the high probability of chemical releases from normal historical business activities. The former gasoline station had a high potential of chemical releases resulting from past petroleum storage in USTs and automotive

service activities. The publish company, if involved with actual printing, would have used a variety of inks and solvents involved with printing operations.

3.8 Adjacent Property - North

This parcel seems to have been largely undeveloped until 1954 when a large clay pipe manufacturing facility was constructed on it. Prior to this, the 1936 photograph indicates a possible small building surrounded by an unpaved, weedy lot. The 1946 photograph indicates that the area between the building and the subject property was cleared and graveled, and possibly contained a few, dark-looking stockpiles.

Ceramic pipe companies occupied the property until approximately 1970 when it was occupied by Interspace Wholesale Building Products, followed by a mental health and vocational rehabilitation center in 1980, Queen City Industries in 1989, and Contract Hardware in 1996.

3.9 Adjacent Property - South

The adjacent property to the south has been a major railroad shipping line since the late 1800s. Chemical rail cars containing a variety of chemicals and petroleum products are frequently observed along this line. The engines also carry large quantities of diesel fuel. Both documented and undocumented spills can and do occur along railroad lines. Readily available public information sources (i.e., database search described in Section 4) do not identify this section of railroad as a known or suspected source of contamination. However, unless a documented spill occurred or contamination along a particular stretch of rail line was discovered as impacting an offsite source, the railroad would have no reason to disrupt rail service to investigate potential contamination.

Section 4
Records Review

This section provides a summary of a database search of facilities registered in federal and state databases that generate, transport, store, or dispose of hazardous materials—or that have known or potentially identified contamination. CDM also reviewed a Phase 1 ESA completed for the Subject Property by Environomics dated April 5-6, 2000 and various reports of investigations conducted by Entrix on behalf of WestFarm Foods.

4.1 Database Search Findings

The database search was conducted by Environmental Data Resources (EDR) in November 3, 2005. A copy of the EDR report is included in **Appendix B**. We also reviewed Ecology's updated Confirmed and Suspected Contaminated Sites List (CSCL) available online dated April 20, 2006. Our review of the database search report targeted those facilities in the immediate site vicinity as discussed in Section 3. The database search findings are discussed below.

Darigold

The database search identified the Darigold facility on the CSCL, the leaking underground storage tank (LUST), UST, and Independent Cleanup Report (ICR), and Voluntary Cleanup Program (VCP) lists. Darigold is listed for confirmed soil and groundwater contamination involving petroleum products, halogenated organic compounds, and metals. Details regarding contamination at this site are discussed further in Section 4.3.

Queen City Industries

Queen City Industries at 945 Elliot Avenue W was identified on EPA's Resource Conservation and Recovery Act (RCRA) small quantity hazardous waste generators list. This list does not imply that suspected or known contamination exists for the listed facilities. No violations were noted under this listing.

LeatherCare, Inc.

LeatherCare was identified in the April 2006 CSCL for suspected halogenated solvent contamination. LeatherCare is listed due to findings of halogenated solvent contamination at the Darigold site.

4.2 Phase 1 ESA Findings - 901 & 921 Elliott Avenue W

4.2.1 LeatherCare

Environomics' Phase 1 ESA was conducted at the time that PCE was still being used at LeatherCare. According to Mr. Ritt, PCE use was discontinued in phases beginning in March 2000 when the PCE machine for the leather was replaced. The first PCE dry cleaning machines for regular clothing were replaced in September 2003 and the conversion was completed in October 2005 when the last of the PCE machines were

replaced. Although Environomic's investigation found generally good housekeeping measures, several potential contamination sources of PCE were identified, including the following:

- Empty drums that formerly contained dry cleaning chemicals were stored outside on asphalt at the southwest corner of the building. The area did not contain secondary containment and minor staining was observed on the asphalt.

- PCE was stored in small AST's (300 gallons total) in the facility. The report did not describe where or how many ASTs there were. The report indicated there were no visual signs of leakage around the ASTs, but that also none of the ASTs had secondary containment.

- A storage area located outside, off the southwest corner of the building contained removed equipment that was awaiting pickup for recycling.

- Two sumps are located inside of the facility near the former PCE dry cleaning machines. Floor drains discharge to these sumps. Since the floor of the building is below the street-level sewer connections, the water in the sumps are pumped through above ground piping to where it discharges into the City sewer system at Elliott Avenue W.

While not described in the Phase 1 ESA, we understand that when LeatherCare was using PCE, clothing from the washing machines was transferred to the dryers, with the potential for PCE dripping onto the floor during the transfer.

We also understand that the PCE dry cleaning machinery that was removed was temporarily placed outside in the southwest corner of W Roy Street. The machinery was exposed to the weather (rain, etc) at that time and whether there was any PCE residue on this machinery that could have washed off is not known.

4.2.2 Greg Thompson Productions

Review of conditions at the Greg Thompson Productions facility identified a variety of paints, lubricants, and cleaning fluids associated with the making of stage props. While housekeeping measures were not optimum, the quantities were small and flooring in these areas are paved and usually covered by protective plastic sheeting. Similar conditions were noted during our current field investigation.

The Phase 1 ESA indicated that three 1,000 gallon gasoline underground storage tanks were removed from the GTP parcel in 1989. One of the USTs was apparently located on the south side of the office building near the entrance and the other two USTs were located somewhere on the west side of the property near the fence line. The UST excavation reportedly had no visual indication of contamination. At the time of closure, one soil sample was collected from each excavation. The method and location of the sampling could not be ascertained from the information in the report. Hydrocarbon testing conducted on the samples identified 98 milligrams per kilogram

(mg/kg) and 92 mg/kg total petroleum hydrocarbons (TPH) in the two excavations, benzene at a concentration of 0.29 mg/kg in one excavation and total xylenes at 0.69 and 0.99 mg/kg.

At the time of closure, reported hydrocarbon concentrations did not exceed Washington State Model Toxics Control Act (MTCA) Method A soil cleanup levels (0.5 mg/kg for benzene, 20 mg/kg for xylene, and 100 mg/kg for total gasoline range hydrocarbons). Benzene and TPH-gas concentrations have since been revised downward (0.03 mg/kg for benzene, 30 mg/kg for TPH-gas if benzene is present and 100 mg/kg if not). Benzene and TPH-gas concentrations would slightly exceed these current concentrations; however reported concentrations do not indicate a major release.

4.3 WestFarm Foods Property

Numerous investigations have been conducted by Entrix on the WestFarm Foods property. CDM reviewed the following reports prepared by Entrix that are associated with this site:

- Environmental Data Summary from Previous Studies and Reports (May 2001)
- WestFarm Foods Field Investigation Data Summary Report (May 2001)
- WestFarm Foods 2003 Phase III Field Investigation Data Summary Report (November 2003)
- LeatherCare Groundwater Investigation Data Summary Report (August 2005)
- Groundwater Monitoring Summary, May 2003-March 2006 (April 2006)

Results of these investigations have found a substantial hydrocarbon plume in the WFF north parking lot that is associated with historical petroleum storage at the former Pecks Fuel facility. The plume, which consists mostly of diesel-range petroleum hydrocarbons with oil-range hydrocarbons in a limited number of locations, encompasses 70 percent or more of the north parking lot. Occasionally, free phase hydrocarbons are observed in one well (MW3). Two 582-gallon USTs apparently associated with the former gasoline station were closed in place in 1995. These USTs are located at the eastern edge of the property and extend into the sidewalk area. While contamination was obviously associated with these two small tanks, the above ground tanks and any other fuel transfer and automotive service operations associated with the Pecks fuel facility are likely additional contamination sources.

A plume containing diesel and gasoline range petroleum hydrocarbons was also identified in the loading dock area next to the building (central parking lot area on Figure 2). Five USTs containing gasoline, and bunker C oil were removed from this area in 1990.

A soil vapor extraction and air sparge (SVE/AS) system was installed in the north parking lot by Enviros. The information CDM reviewed did not provide any information regarding the date of installation or history of operation of this system. The date of installation appears to have been approximately 1997. It may have been in operation only a year or two, if at all. In 1998 Slotta Design & Construction (SD&C) conducted an evaluation of the SVE/AS and determined that the operation of the SVE would have little remedial benefit and was not needed for capture of fugitive emissions. The AS system was considered to be appropriately designed.

In December 2004, Entrix conducted an extensive evaluation of cVOCs in groundwater underlying W Roy Street, the north and central parking lots on the WFF property, and under a portion of the WFF building. Groundwater sampling was conducted on a 30 to 40 foot spaced sampling grid using drive point sampling methods. At the conclusion of this study, groundwater samples collected from 121 locations had been analyzed for PCE and its degradation products TCE, 1,1-dichloroethene (1,1-DCE), *c*-1,2-DCE, *trans*-1,2-dichloroethene (*t*-1,2-DCE), and vinyl chloride.

PCE and its degradation products were found in groundwater. PCE was detected throughout W Roy Street. The two highest PCE concentrations were 35 micrograms per liter (µg/L) and 100 µg/L – the rest of the samples contained less than 10 µg/L. The PCE plume extended into the northwest corner of the WFF north parking lot, but the maximum concentration of PCE in the north parking lot was only 3.1 µg/L. The TCE plume extended slightly farther into the WFF north parking lot, yet again, TCE concentrations were low and the maximum detected TCE concentration in the north parking lot was only 1.8 µg/L. The highest concentration of *c*-1,2-DCE at 30 µg/L was detected in W Roy Street. Low levels of *c*-1,2-DCE were detected throughout the north and central parking lot areas with the highest concentration being 8.2 µg/L. The highest VC concentration at 47 µg/L, was detected adjacent to the LeatherCare building. Detected VC concentrations in the north and central parking lots on the WFF property ranged between 0.1 µg/L and 5.2 µg/L.

Groundwater monitoring has been conducted on the WFF property on a fairly regular basis since 2003. Groundwater monitoring data are summarized and discussed in later sections of this report as they relate to this investigation.

4.4 Summary of Potential Contamination Sources

Entrix's 2004 study suggests that a release of PCE has occurred from the LeatherCare property. However, the data further suggest that: 1) cVOC concentrations are low, 2) there may be multiple small source areas, and 3) biodegradation processes are actively occurring to attenuate the PCE plume.

Entrix's studies further show the presence of a large hydrocarbon plume that extends throughout most of the WFF north parking lot, and a second hydrocarbon plume that exists in the central parking lot.

Other potential contamination sources in the site area include the adjacent railroad lines to the west and the former gasoline station to the east, across Elliott Avenue W. The former gasoline station is expected to be hydraulically upgradient of the WFF north parking lot. The railroad lines are expected to be hydraulically downgradient of the Investigation Area. However, as will be noted later in this report, the hydraulic gradient in the Investigation Area is quite flat, and temporal seasonal and tidal variability in groundwater flow directions is possible, but has not been defined. As such, contaminant transport from the railroad lines through advection could potentially have an impact on the Investigation Area, depending upon the type, location, and magnitude of the release.

Section 5
Field Investigation

CDM's field investigation was conducted on May 3 through May 10, 2006 and included installing two piezometers in drive-point test holes, seven monitoring wells in drilled boreholes, developing installed monitoring wells, purging and sampling newly installed piezometers and monitoring wells and eight existing monitoring wells on the WestFarm Foods property, surveying well elevations and locations, and conducting a complete round of water level measurements. Collected soil and groundwater samples were subsequently submitted for laboratory analyses. Field investigation methods are described in **Appendix C** and summarized below.

A representative of Entrix oversaw CDM's entire field investigation on behalf of WFF. Entrix collected duplicate soil and groundwater samples at each sample location. CDM has reviewed Entrix's soil and groundwater analytical data and found these data to be consistent with CDM's. No significant differences were noted for the groundwater data. Soil data showed variation in contaminant concentrations, which can be attributed to soil heterogeneity. Slight variations between CDM's and Entrix's data were not enough to warrant any changes to the findings of this report and are therefore not presented or discussed further.

5.1 Drilling and Soil Sampling

The piezometers and monitoring wells were completed at the Subject Property on May 3 through 5, 2006. Well locations are shown on **Figure 2.** The borings were placed in an effort to determine the presence, source and extent of contamination, if any. The reasoning for the placement of each piezometer/monitoring well was as follows:

- LC1 and LC2 - Two piezometers installed inside of the building. LC1 was installed between a line of former PCE dry cleaning machines and a sump. Water in the sump is subsequently pumped into piping that extends above ground to where it meets the underground City sewer line at the sidewalk next to Elliott Avenue W. LC2 was installed between a former PCE dry cleaning machine, former PCE still, and near the terminus of a subsurface trench drain (where again, liquids in the drain are pumped into above ground piping until it meets the City sewer line).

- LC3 was installed just outside of the building on the south side of the former line of PCE dry cleaning machines. LC1 and LC3 were intended to essentially bracket this line of dry cleaning machines. During Entrix's February 2005 investigation of cVOCs in groundwater, this approximate location also had the highest concentration of vinyl chloride.

- LC4 and LC5 were installed on the south side of W Roy Street, approximately at locations that had been identified as having the highest concentrations of PCE and TCE during cVOC investigation. LC4 is located where the removed PCE dry

cleaning machinery had been temporarily located. LC5 is located next to and approximately downgradient of the dumpster.

- LC6 was placed as an approximately upgradient well in order to bracket the plume.

- GT1 through GT3 were installed on the GTP parcel in order to provide further definition of the cVOC plume, if present, particularly since the groundwater gradient had not yet been ascertained.

Cascade Drilling, Inc. of Woodinville, Washington was the drilling contractor. A limited access Geoprobe® rig was used to install piezometers inside of the building. A limited access drill rig was used to install the monitoring wells in W Roy Street and a full size truck mounted drill rig was used to install monitoring wells on the GTP parcel. The drill rigs were equipped with 8-inch diameter hollow-stem augers. Boreholes were extended to 14 ft bgs. Soil samples at piezometer locations were collected continuously using drive-point sampling methods. At drilled boreholes, soil samples were collected at 2.5-foot intervals. Soil samples were logged, examined for evidence of contamination, and field screened for VOCs. Field screening was accomplished using an organic vapor meter equipped with a photoionization detector (OVM-PID) as described in **Appendix C**. Selected samples were also retained for laboratory analysis. Soil conditions were characterized and logged according to the Unified Soil Classification System shown on **Figure D1** in **Appendix D.**

5.2 Soil Sampling

One to two soil samples were collected from each borehole for chemical analysis. CDM attempted to collect soil samples in the vadose zone for cVOC analyses, but due to the shallow groundwater conditions, this was nearly impossible. In most instances, groundwater occurred right underneath the concrete slab or base course material. Slight OVM-PID readings were recorded just underneath concrete slab at LC1 (13 parts per million [ppm]) and LC2 (5 ppm) and in the base course material at LC4 (10 ppm), but otherwise, OVM-PID readings were not significant (i.e., 0 to 2 ppm). One soil sample was collected from each borehole except GT3 for analysis of cVOCs. Some of these samples were also analyzed for total organic carbon (TOC). Sample depths for cVOC and TOC analyses ranged between 2 and 6 ft bgs. Saturated soil samples were collected from LC1, LC5, and LC6 at depths of 8 to 11 ft bgs. These samples were submitted for bioavailable ferric iron analysis.

Soil samples to be analyzed for cVOCs were collected using an approximately 5-gram core sampler, dispensed immediately into three preweighed 40 milliliter VOA vials containing methanol (1) and sodium bisulfate (2) and sealed in accordance with EPA Method 5035A. Additional sample was collected into 2-ounce jars for dry weight determination and TOC analysis, as applicable. Soil samples for laboratory analysis of cVOCs were labeled, placed in a chilled cooler and transported directly to Analytical Resources, Inc. (ARI) of Seattle, Washington under chain-of-custody protocol.

Soil samples for analysis of bioavailable ferric iron were dispensed into a laboratory supplied 8-ounce plastic jar and the jar was filled to the top with water from the borehole. The jar was labeled and placed in cooler containing pelletized dry ice. The cooler was secured with a chain-of-custody seal and shipped under chain-of-custody by FedEx for overnight delivery to Microseeps Inc., in Pittsburg, Pennsylvania.

5.3 Monitoring Well Installation and Development

The piezometers were constructed with 10 feet of prepacked ¾-inch-diameter flush-threaded PVC screen. The monitoring wells were constructed using a 10 foot section of 2-inch-diameter flush-threaded PVC screen. Each screened interval was topped with a riser pipe that extended to the ground surface. A tamper-resistant, flush-mount, protective casing was set over the upper end of each PVC riser.

A typical as-built for groundwater monitoring wells/piezometers is shown in **Figure D2** in **Appendix D.** Individual boring logs are presented on **Figures D3** through **D6** in **Appendix D.** Monitoring well/piezometer details are also shown on each boring log.

Monitoring wells were developed on May 5 and 8, 2006. A stainless steel bailer was used to surge each well and to remove turbid water following surging. Temperature and specific conductance were monitored during purging. Approximately 18 gallons of water were removed from each well during development.

5.4 Groundwater Sampling

Groundwater samples were collected on May 8 through 10, 2006. Each monitoring well was allowed to recover at least 48 hours between development and sampling. Prior to collecting groundwater samples, each monitoring well/piezometer was purged using a peristaltic pump. Physical parameters were monitored using a YSI meter. In order to minimize contact with ambient air the YSI meter was secured in a flow-through cell that was situated after the pump and before the tubing discharge. Parameters measured during purging included: pH, temperature, specific conductance, turbidity, dissolved oxygen, and oxidation reduction potential (ORP). In addition, at the conclusion of purging, ferrous iron was tested using a Hach field test kit. The wells were purged until the variation of physical parameters was less than 10 percent for three successive measurements.

The samples were collected directly from the pump discharge tubing (with the flow-through cell removed) into laboratory supplied containers appropriate for the analyses to be conducted. Samples for chemical analyses were delivered directly to ARI under chain-of-custody protocol. Samples for DNA analysis were shipped under chain-of-custody by FedEx for overnight delivery to North Wind, Inc. in Pocatello, Idaho.

5.5 Laboratory Analysis

All groundwater samples were analyzed for the following:

- Total petroleum hydrocarbons quantified as diesel (TPH-D) and motor oil (TPH-O)(NWTPH-Dx)
- Volatile organic compounds (EPA 8260 using a 20 milliliter purge in order to reach a detection limit of 0.2 µg/L for vinyl chloride)
- Sulfate (EPA 375.2)
- Dissolved methane, ethane, ethene (RSK 175)
- Alkalinity (SM 2320)
- Chemical oxygen demand (EPA 410.4)
- Chloride (EPA 325.2)
- DNA analysis (quantitative polymerase chain reaction [QPCR]) for the dechlorinating bacteria *Dehalococcoides* sp. (DHC)

Selected soil samples were analyzed for the following:

- Chlorinated VOCs (PCE, TCE, c-1,2-DCE, t-1,2-DCE, 1,1-DCE, and VC) by EPA Method 8260.
- Bioavailable ferric iron and manganese (BAFeIII)
- Total organic carbon (Plumb, 1981)

5.6 Survey

Apex Engineering surveyed the well elevations and locations on May 10, 2006. Well casing and ground surface elevations were measured to the nearest 0.01 foot relative to a brass monument located in the sidewalk adjacent to the concrete block wall at the south corner of Elliott Avenue W and W Roy Street. The brass monument was stamped with an elevation of 19.78 feet. No verifiable City of Seattle Datum could be found in the immediate site area. Each of the boring locations was measured horizontally to the nearest 0.1 foot with respect to the brass monument using an assumed due west basis of bearing.

Section 6
Findings and Discussion

6.1 Field Observations

As indicated in Section 2, subsurface materials consist of approximately 14 to 16 feet of fill underlain by tide flat sediments. The tide flat surface was encountered in several, but not all of the boreholes. However, in many instances sediments at the base of the borehole exhibited finer grained sand, increased silt content and sometimes peat, indicating immediate proximity to the surface of the tide flat. Tide flat sediments consist of silty clay and clayey silt and likely contain peat and sand lenses. The fill overlying the tide flat consists of approximately 2 to 4 feet of sandy gravel base course material, followed by fine to coarse-grained gray sand, which we interpret to be dredge fill. This material typically contained sea shells interspersed with wood debris, organics, and interlayers of coarser and finer grained materials.

Groundwater was encountered at depths of 2 to 4 ft bgs. Stabilized water elevations are summarized on **Table 1** and ranged between 10.90 ft and 11.62 ft on May 10, 2006. Tidal influence appeared to be almost nonexistent as little, if any, difference in water levels was observed on a day to day basis during well sampling. **Figure 3** shows the potentiometric surface on May 10, 2006. The gradient at the site is very flat. In W Roy Street and the WFF north parking lot there is essentially no gradient and this area appears to be forming a groundwater divide. In the area underlying the LeatherCare building and the GTP parcel, the groundwater flow direction is generally toward the northwest with an average gradient of 0.00286 ft/ft. Between the WFF north and central parking lots, the groundwater flow direction takes on a southerly direction, but at MW10, near the entrance to the WFF building on Elliott Avenue W, the gradient appears to have an easterly component. The gradient toward the southwest is estimated at about 0.00083 ft/ft.

6.2 Analytical Results

Copies of the analytical reports are included in **Appendix E.** This section provides an overview of the analytical results and relationship to current State of Washington regulatory standards.

6.2.1 Cleanup Levels

The MTCA Cleanup Regulation (Washington Administrative Code [WAC] Chapter 173-340) sets forth the requirements and procedures for establishing cleanup levels that are protective of human health and the environment. WAC 173-340-730 outlines three Methods (A, B, and C) for developing soil cleanup standards under MTCA. MTCA Method A cleanup levels are available for 25 common contaminants and are used at sites undergoing routine cleanup that involve only a few hazardous substances. Methods B and C involve calculation of site-specific cleanup levels using generic default assumptions and/or chemical-specific or site-specific information. Method B is the universal method that is appropriate for all sites and Method C is the

conditional method (i.e., for use at industrial sites). Method C is not considered applicable for this site because the plume has migrated beyond the LeatherCare property boundaries.

MTCA also requires that existing or potential threats to terrestrial plants or animals exposed to hazardous substances be evaluated. The assessment must determine whether the site is: 1) excluded from a terrestrial ecological evaluation (TEE), 2) qualified for a simplified TEE, or 3) must undergo a site-specific TEE. WAC 173-340-7490 through 7494 outlines the terrestrial ecological evaluation procedures. Under the criteria outlined in WAC 173-340-7491(b), the site is excluded from the TEE based on the fact that all contaminated soils are completely covered by buildings and pavement that will prevent plants and wildlife from being exposed to soil contamination. Also, none of the contaminants of concern at the site are listed in Tables 749-2 or 749-3, which precludes these contaminants for further consideration under the terrestrial ecological evaluation.

For purposes of this report, contaminant concentrations are compared against MTCA Method A soil and groundwater cleanup levels. In the absence of Method A cleanup levels, contaminant concentrations are compared against Method B cleanup levels as obtained from Ecology's Cleanup Levels and Risk Calculations (CLARC) database tables. Actual site cleanup levels will be established as part of a cleanup action plan for this site.

6.2.2 Soil

Soil analytical data are summarized in **Table 2.** One or more cVOCs were detected in each of the eight samples analyzed, except the 6 foot sample from GT1. ARI analyzed LC2-4.5' twice because excessive foaming from other samples caused equipment failure during the initial run of the sodium bisulfate-preserved sample (low level detection limit). ARI then analyzed the sample preserved with methanol (medium level detection limit). The second sodium bisulfate preserved vial was analyzed a day later, which was one day out of the EPA holding time. The results of these two runs showed significant difference in the *c*-1,2-DCE concentration. In the methanol-preserved sample *c*-1,2-DCE was reported at 190 micrograms per kilogram (µg/kg). In the sodium bisulfate-preserved sample, *c*-1,2-DCE was reported at 7.6 µg/kg. This discrepancy is likely due to heterogeneity of the sample, rather than it being analyzed out of holding time. PCE, which was detected in 7 of the 8 samples, ranged from 2.2 µg/kg to 110 µg/kg. TCE was detected in 5 of the 8 samples, ranging from 1.5 µg/kg to 15 µg/kg. *c*-1,2-DCE was detected in 5 of the 8 samples, ranging from 3.4 µg/kg to 190 µg/kg. *t*-1,2-DCE was detected in one sample at 9.4 µg/kg. Vinyl chloride was detected in two samples at 1.5 µg/kg and 2 µg/kg. Only the PCE concentration in LC1-2' (110 µg/kg) exceeded its Method A cleanup level of 50 µg/kg.

Total organic carbon was analyzed in LC1-2', LC2-4.5', LC4-6', and GT1-6'. TOC in these samples ranged between 0.129 percent and 0.230 percent, which is a fairly high TOC.

Bio-available ferric iron and manganese and total oxidized iron were analyzed in LC1-8', LC5-8-11', and LC6-8'. Bioavailable ferric iron was detected at 1,350 mg/kg in LC5-8-11'. Bioavailable iron was not detected in LC1-8' or LC6-8', but oxidized iron concentrations in these samples were 238 mg/kg and 533 mg/kg, indicating that bioavailable iron was present in the samples, but that somehow during the analytical process the iron had been oxidized. Bioavailable manganese was not detected in any sample.

6.2.3 Groundwater

Groundwater analytical data are summarized in **Tables 3** and **4**. TPH-D and cVOC data are also summarized on **Figure 4.** Field measured parameters, general groundwater chemistry parameters, and methane, ethene, and ethane, along with the chemical detections, are discussed and evaluated in Section 7 with respect to natural attenuation processes.

6.2.3.1 Petroleum Hydrocarbons

Diesel-range petroleum hydrocarbons were detected in nine groundwater samples. Oil-range petroleum hydrocarbons were not detected in any of the groundwater samples during the current sampling round. Historically, TPH-O has been detected in MW3, MW4, and MW7 located on the WFF property. Six of the TPH-D detections were in monitoring wells located on the WFF property, with concentrations ranging between 0.5 and 2.6 milligrams per liter (mg/L). The Method A cleanup level of 0.5 mg/L was exceeded in five of the WFF property samples

On the Subject Property, TPH-D was detected in GT2, LC5, and LC6 at concentrations of 0.32 to 0.35 mg/L, all below the Method A cleanup level. Based on the measured hydraulic gradient shown in Figure 3, diesel detections in LC5 and LC6 are likely the tail end of the plume that is originating from the WFF North Parking lot. The hydrocarbon detection in GT2 may be due to the well's proximity to a sump, which collects drainage from a large portion of the parking lot.

6.2.3.2 Volatile Organic Compounds

Chlorinated VOCs: PCE was detected in eight groundwater samples and ranged from 0.4 to 14 µg/L. Only two samples (LC2 and LC4) exceeded the Method A cleanup level of 5 µg/L. The degradation or "daughter" products of PCE were detected in several groundwater samples, including: TCE (11 samples), *c*-1,2-DCE, (17 samples), *t*-1,2-DCE (6 samples), 1,1-DCE (1 sample) and VC (14 samples). TCE exceeded its Method A cleanup level of 5 µg/L only at GT3 where the concentration was 11 µg/L. VC concentrations ranged from 0.2 to 19 µg/L and exceeded its Method A cleanup level of 0.2 µg/L at eight locations on Subject Property and four locations on the WFF property. The concentrations of *c*-1,2-DCE and *t*-1,2-DCE did not exceed their respective Method B cleanup levels in any samples. The concentration of 1,1-DCE in GT3, while very low at 0.3 µg/L, exceeded the Method B cleanup level of 0.073 µg/L.

Other cVOCs detected were all single or double detections at very low concentrations and included 1,1,2-trichloroethane (0.3 µg/L, GT1), 1,1,1-trichloroethane (0.2 µg/L, LC3), and 1,1-dichloroethane (0.9 µg/L, LC2; 0.4 µg/L, LC4). Concentrations of all of these compounds are below their respective Method A/B cleanup levels.

Non Chlorinated VOCs: Benzene was detected in four groundwater samples – two of the detections occurred on the LC property and two on the GTP parcel. Concentrations ranged between 0.4 and 1.5 µg/L, below the Method A cleanup level of 5 µg/L. Acetone was detected in thirteen of the groundwater samples. Acetone was detected in all six groundwater samples from the LC property, two samples from the GTP parcel, and five samples from WFF parcel. Acetone concentrations ranged between 1.2 and 5.3 µg/L. Acetone was also detected in both the trip blank (1.5 µg/L) and a field blank that were collected at the site (5.2 µg/L). The field blank was collected after sampling LC1, which is located adjacent to the leather spray area. At the time of sampling, personnel were spraying leather garments and the fumes were quite strong. The drum adjacent to the spray area was marked as acetone. LC1 contained 1.5 µg/L acetone, the same as that of the trip blank and less than the field blank. Based on the relative concentrations in groundwater samples compared to the quality assurance blanks that were collected, acetone concentrations are considered estimated and acetone may not actually be present in groundwater. At any rate, the concentrations detected are significantly lower than the Method B cleanup level, which is 800 µg/L.

6.3 Summary

PCE and/or its degradation products occur in groundwater throughout the Investigation Area. However, cleanup level exceedances for PCE and TCE are limited and sporadic. VC concentrations exceeded the MTCA Method A cleanup level in two thirds of the samples analyzed, but were still quite low at less than 5 µg/L in all but two samples. The only cleanup level exceedances of the cVOCs in groundwater on the WFF property were for VC (all < 5 µg/L). These groundwater data are consistent with Entrix's study conducted in December 2004 (Entrix, 2005). **Figure 4** shows the approximate extent of the PCE, TCE, and VC plumes exceeding Method A cleanup levels. This figure illustrates the spotty nature and limited extent of PCE and TCE exceedances in groundwater. Overall, concentrations throughout the VC plume are quite low. The extent of the VC plume westward into the railroad area has not been ascertained. Based on the relatively low concentrations of cVOCs at the western edge of the property and the low gradient, one could expect the concentrations and extent are similar to those observed for the VC plume which has extended southward into the WFF property.

Only PCE exceeded its Method A cleanup level in soil on the LC property, and only at one location. The reason that cVOC concentrations in soils are not particularly high can be attributed to the following: 1) source releases were minimal, and 2) groundwater is so shallow that there is virtually no unsaturated or "vadose" zone.

The low cVOC concentrations are not indicative of a major source area. Given the concentration gradients of the various cVOCs, several minor sources are suggested. Drain lines and sumps within the building are the most obvious sources of contamination under the building. PCE residue on the dry cleaning machinery that was stored at the southwest corner of the property could be the cause of the PCE noted at LC4. Also, deliveries of PCE in the earliest period of LeatherCare's operation at the Subject Property were by tank truck with a hose dispenser. Drips from the hose would tend to wash across W Roy Street to the lowest areas – approximately the location of LC4. At LC5, while PCE-containing wastes (filters, etc.) were not allowed in the dumpster, it is possible that some of these materials did make their way into the dumpster and subsequently leaked onto the ground. Further, PCE concentrations are clearly not indicative of the presence of nonaqueous phase liquid, or "free product." Rather it appears that virtually all of the cVOCs are dissolved in groundwater.

The TPH-D plume extends throughout most of the western half, or more, of the WFF north parking lot, between the north fence line and the south wall **(Figure 4)**. The plume also appears to have migrated about 50 feet northward into W Roy Street. The extent of the hydrocarbon plume eastward into Elliott Avenue W has not been determined.

Section 7
Evaluation of Natural Attenuation

Natural attenuation is the use of natural processes to reduce mass, toxicity, mobility, volume or concentration of contaminants from soil or groundwater without human intervention (USEPA, 1997). These in situ processes include dispersion, dilution sorption, volatilization, and chemical or biological stabilization, transformation, or destruction of contaminants (USEPA, 1997). Biodegradation can occur by both aerobic and anaerobic microbial processes. Many organic contaminants can be biodegraded by microorganisms indigenous to the subsurface environment. The ultimate end products of biodegradation of cVOCs are carbon dioxide, water, methane, and chloride.

This section evaluates natural attenuation processes for cVOCs and trends in petroleum hydrocarbon and cVOC concentrations as suggested by data collected over time.

7.1 Biodegradation Processes of PCE

The primary degradation pathway for PCE is microbially mediated reductive dehalogenation, whereby its chlorine atoms are successively stripped off to form less chlorinated compounds. PCE is successively degraded to TCE, DCE, VC, ethene, and finally carbon dioxide as shown on **Figure 5**. DCE occurs as three isomers: 1,1-DCE, *c*-1,2-DCE, and *t*-1,2-DCE. The *c*-1,2-DCE isomer is by far the most prevalent found as a product of the degradation of PCE and TCE. The biodegradation pathways for PCE's daughter products can vary and include electron donor reactions (anaerobic oxidation and aerobic oxidation), electron acceptor reactions (reductive dehalogenation), and aerobic cometabolism (oxidation) as discussed below and shown on **Figure 5**.

7.1.1 Electron Donor Reactions (Anaerobic and Aerobic Oxidation)

Microbes need carbon to make new cellular components like proteins and enzymes, as well as for reproduction. This carbon can come from many sources, such as sugars (i.e., glucose, molasses) and petroleum hydrocarbons. Some microbes are able to use contaminant-containing carbon in the same manner, breaking down the contaminant molecule into its constituent parts, and using the carbon for growth and reproduction. These carbon compounds are known as electron donors. For groundwater, contaminants that serve as electron donors during biodegradation, such as petroleum hydrocarbons, the availability of competing terminal electron acceptors (TEAs) affects the efficiency of contaminant biodegradation (Borden, 1994; Chapelle, et. al., 1996). In a pristine aquifer, native organic carbon is used as an electron donor and dissolved oxygen (DO) is the first electron acceptor to be used (Wiedemeier et al., 1997). Where anthropogenic carbon (e.g., fuel hydrocarbons) is present, it also will be used as an electron donor. After the DO is consumed, anaerobic microorganisms use other electron acceptors as available in the following order of preference: nitrate, ferric iron,

sulfate, and finally carbon dioxide (methanogenesis) (Wiedemeier et al., 1997). Each of these reactions creates successively stronger reducing environments.

Microorganisms are generally believed to be incapable of growth using PCE and TCE as a primary substrate (i.e., electron donor). However, under aerobic conditions and some anaerobic conditions, the less oxidized chlorinated compounds (e.g., DCE and VC) can be used as a primary substrate in biologically mediated oxidation reduction-reactions. In this type of reaction, the facilitating microorganism obtains energy and organic carbon from the degraded chlorinated compound.

Bradley and Chapelle (1996) showed evidence of mineralization of VC under iron reducing conditions if there is sufficient bio-available ferric iron. VC has the greatest tendency to undergo oxidation, and rapid microbial degradation of VC, including mineralization, has been observed in aquifer samples under aerobic conditions (Chapelle, et. al., 2003). Klier, et. al., (1998) and Bradley and Chapelle (1997) show mineralization of DCE to carbon dioxide under aerobic, Fe(III) reducing, and methanogenic conditions. While DCE has been shown to degrade aerobically, the bacteria that perform this process appear to be uncommon (Klier, et. al., 1999; Bradley and Chapelle, 2000; Coleman, et. al., 2002).

7.1.2 Electron Acceptor Reactions (Reductive Dechlorination)

Chloroethenes are relatively oxidized compounds due to the presence of electronegative chlorine atoms, and can act as electron acceptors in microbial metabolism (Vogel, et. al., 1987). In the presence of a suitable electron donor, hydrogen can replace a chlorine atom on a chlorinated ethene molecule (Chapelle, et. al., 2003). This microbially catalyzed process is called reductive dechlorination. The tendency of chlorinated ethenes to undergo reductive dechlorination decreases with decreasing number of chlorine atoms (Chapelle, et. al., 2003). PCE readily undergoes reductive dechlorination to TCE, except in aerobic aquifers (Chapelle, et. al., 2003). Reductive dechlorination of TCE to *c*-1,2-DCE occurs under iron reducing [Fe(III)] conditions and in more strongly reducing environments. Reductive dechlorination of *c*-1,2-DCE to VC apparently requires at least sulfate-reducing conditions, but proceeds more readily in the more strongly reducing methanogenic environments (Chapelle, et. al, 2003).

Microorganisms that are able to grow using chloroethenes as sole terminal electron acceptors are collectively termed "halorespirers." Halorespirers capable of reducing PCE or TCE to DCE are relatively common (Chapelle, et. al, 2003). To date, only one type of bacteria, *Dehalococcoides spp.*, has been shown to completely degrade PCE to ethene (Maymo-Gatelle, et. al, 1997). Recent research has demonstrated that various strains of these bacteria have different affinities for using DCE and VC as electron acceptors. Some strains do not utilize chlorinated ethenes as electron acceptors at all.

7.1.3 Cometabolic Oxidation

Cometabolic oxidation of chloroethenes does not supply energy for microbial growth or metabolism. Rather, the responsible microorganisms contain nonspecific

oxygenase enzymes that fortuitously oxidize chloroethenes to carbon dioxide, water, and chloride (Chapelle, et. al, 2003). A wide variety of aerobic microorganisms have been identified that can cometabolically oxidize chlorothenes, including methane, ammonia, propane, ethene, and VC oxidizers. Although cometabolic oxidation has generally not been considered a significant mechanism for intrinsic bioremediation of chloroethenes in groundwater, increasing evidence suggests that it might actually be fairly common, albeit at very slow rates (e.g., Sorenson et al., 2000; Wymore et al., 2006).

7.2 Petroleum Hydrocarbons

Petroleum hydrocarbons biodegrade in virtually all soil and groundwater systems. In most subsurface environments, both aerobic and anaerobic degradation of fuel hydrocarbons can occur, often simultaneously in different parts of the plume (Wiedemeier et al., 1998). For thermodynamic reasons, hydrocarbon-degrading microorganisms preferentially utilize those electron acceptors that provide the greatest amount of free energy during respiration (Wiedemeier et al., 1995). Petroleum hydrocarbons universally serve as electron donors in microbial metabolism (Chapelle, 1997), so the driving force of degradation is the transfer of electrons from an electron donor (petroleum hydrocarbon) to an electron acceptor.

Because aerobic metabolism is the most energetically favorable, this is the fastest and most efficient method of hydrocarbon degradation. Anaerobic degradation processes were originally thought to be too slow to be of significance in groundwater. It is now generally accepted that this is not the case.

Low molecular weight aromatic hydrocarbons dissolved in groundwater, such as benzene, ethylbenzene, toluene, and xylenes (BETX), are easily biodegraded. However, because long-chain aliphatic compounds are neither soluble, nor transported downgradient of petroleum spills they tend to be much more recalcitrant to degradation.

7.3 Assessment of In Situ Biodegradation

Biodegradation causes measurable changes in groundwater chemistry. Based solely on thermodynamic consideration, the most energetically preferred reaction should proceed in the plume until all of the required electron acceptor is depleted (Groundwater Services, Inc., 1997). At that point the next most preferred reaction should begin and continue until that electron acceptor is consumed, leading to a pattern where preferred electron acceptors are consumed one at a time, in the following sequence:

Oxygen>Nitrate>Ferric Iron> Sulfate> Carbon Dioxide

Based on this principal, one would expect to observe monitoring well data with "non-detect" results for the more energetic electron acceptors, such as oxygen and nitrate, in locations where evidence of the less energetic reactions is observed. In

practice, however, it is unusual to collect samples from monitoring wells that are completely depleted in one or more electron acceptors. According to Groundwater Services, Inc. (1997), two processes are probably responsible for this observation:

1. Alternative biochemical mechanisms exhibiting very similar energy potentials (such as aerobic oxidation and nitrate reduction) may occur concurrently when the preferred electron acceptor is reduced in concentration, rather than being fully depleted.

2. Standard monitoring wells with 5- to 10-foot screened intervals will mix waters from different vertical zones. If different biodegradation reactions were occurring at different depths, then one would expect to find geochemical evidence of alternative degradation mechanisms occurring in the same well.

Therefore, most natural attenuation monitoring programs yield data that indicate a general pattern of electron acceptor depletion, but not complete depletion, and zones of electron acceptor/metabolite isopleths will tend to overlap. For example, a zone of methane accumulation may be larger than the apparent anoxic zone. Nevertheless, these general patterns of geochemical changes within a plume area provide strong evidence that multiple mechanisms of biodegradation are occurring (Groundwater Services, Inc., 1997).

7.3.1 Presence of PCE and its Daughter Products

PCE was never detected in groundwater where one or more of its degradation products were not also present, suggesting biodegradation processes are occurring. In fact, the *c*-1,2-DCE concentrations and vinyl chloride concentrations were almost always higher than PCE concentrations. Ethene was not detected in any of the samples. Ethene concentrations would likely be lower than VC concentrations both because it is fairly readily degraded, and because it rapidly volatilizes in shallow groundwater settings. However, the detection limit for ethene (11 µg/L), was higher than reported VC concentrations in all but one well (GT2, 19 µg/L) so the lack of ethene detections might have been an analytical limitation.

7.3.2 Dissolved Oxygen

DO ranged from 0.17 to 0.89 mg/L. DO data should be used in a qualitative manner, since accurate dissolved oxygen measurements are difficult to obtain, especially when the concentration falls below about 1 mg/L. It is thought that reductive dechlorination will not occur if DO concentrations are above about 0.5 mg/L. Monitoring wells where DO concentrations exceeded 0.5 mg/L included MW1, MW7, MW12, GT1, and GT3. MW1, MW12, and GT1 are located at the fringes of any contaminant plume, so DO data appear consistent with mildly oxic conditions at these locations. MW7 is located in the middle of the hydrocarbon plume and this well contained the highest methane concentration, which indicates predominantly methanogenic conditions. The measured DO concentration may be transitory from a flush of fresh water into the system, and if so, conditions in this well may be suitable

for cometabolic oxidation of VC. It is also possible the DO reading for this well was anomalous. In any case, conditions in the area are generally anaerobic.

7.3.3 Oxidation-Reduction Potential

The oxidation-reduction potential (ORP) or "redox" potential of ground water is a measure of the electrochemical potential associated with the transfer of electrons from one substance to another (Wiedemeier, 2004). Again this is a qualitative measurement, because ORP measurements assume that the system is at equilibrium and several factors affect the accuracy of the measurements. ORP values measured at the site ranged from 96 millivolts (mV) to -156 mV. Values between about 50 mV and -100 mV are not within the optimal range for reductive dechlorination, but they are low enough for it to occur. Values less than -100 mV are favorable for reductive dechlorination to occur. MW3 and LC2 both exhibited ORP values less than -100 mV. Chlorinated ethenes were not detected in MW3, but MW3 contains a high concentration of petroleum hydrocarbons, and on occasion free product. LC2 contains PCE and its degradation products, the well also exhibited a strong hydrogen sulfide odor upon sampling, further indicating strong reducing conditions. MW1 was the only well where the ORP value exceeded 50 mV, which is consistent with the DO concentration and other groundwater chemistry parameters at this location. Overall, the ORP measurements suggest mildly reducing conditions.

7.3.4 Ferrous Iron and Bioavailable Ferric Iron

When ferric iron (FeIII) is used as an electron acceptor during anaerobic biodegradation of organic carbon, it is reduced to ferrous iron (FeII) (Wiedemeier, 2004). Thus, the presence of ferrous in groundwater indicates iron reducing conditions. Ferrous iron was detected in groundwater sampled from all wells except MW1 and MW12, and ranged from 0.1 mg/L to 2 mg/L. LC5 and MW5 contained the highest ferrous iron concentrations at 1 mg/L and 2 mg/L, respectively.

Results of the bio-available ferric iron testing indicated there is some, but fairly low concentrations of bio-available ferric iron. LC5, contained 1,350 mg/kg bioavailable ferric iron Bioavailable iron was not detected in LC1-8' or LC6-8', but oxidized iron concentrations in these samples were 238 mg/kg and 533 mg/kg, respectively, indicating that bioavailable iron was present in the samples, but that somehow during the analytical process the iron had been oxidized. Based on the low bio-available ferric iron concentrations, high concentrations of dissolved ferrous iron would not be expected, even under reducing conditions.

7.3.5 Sulfate

The role of sulfur in the bioremediation of chlorinated solvents is complex and multifaceted, as it can be both problematic and advantageous. Sulfate must be reduced in order to reach methanogenic conditions where reductive dechlorination proceeds most readily, but there is ample evidence in the literature for dechlorination of a wide variety of chlorinated solvents under sulfate reducing conditions (ARCADIS G&M, Inc. 2002). Sulfur and sulfur-containing compounds can aid in the biological

degradation of chlorinated solvents through a variety of mechanisms, including stimulation of dehalogenation by sulfate reducers, abiotic degradation of chlorinated solvents by iron sulfide, and involvement as reductants and/or intermediates in the degradation mechanisms of chlorinated solvents (ARCADIS G&M, Inc. 2002). However, elevated levels of sulfide [as a result of sulfate reduction] may be toxic to dechlorinating microorganisms (ARCADIS G&M, Inc. 2002). Weidemeier (1988) states that "Concentrations of sulfate greater than about 20 mg/L may cause competitive exclusion of dechlorination." However, enhanced anaerobic bioremediation has been applied at sites with up to 500 to 700 ppm sulfate and natural attenuation has been indicated at sites with ever higher levels of sulfate (up to 2,000 ppm) (ARCADIS G&M, Inc. 2002).

Considering that the site is constructed over tide flats, high background sulfate conditions would be expected. Sulfate concentrations did exceed 20 mg/L in all wells in the Investigation Area except MW7 (13.6 mg/L), ranging from 24.1 to 88.9 mg/L. Considering all other conditions observed, sulfate reducing conditions appear to present throughout much of the Investigation Area, but is particularly evident at LC2 which exhibited a strong hydrogen sulfide odor. LC2 also contained a relatively high concentration of sulfate at 52.7 mg/L, further indicating naturally high background concentrations of sulfate. Potentially high concentrations of sulfide appeared to be limited to the area of LC2, and as will be noted below, the methane concentration at this well was also the second highest observed throughout the investigation area.

7.3.6 Methane

The presence of methane at concentrations in excess of about 100 µg/L indicates reducing conditions appropriate for reductive dechlorination of VC to ethene/ethane. Methane was detected in all groundwater samples at concentrations ranging from 10 to 700 µg/L. Methane concentrations were about 100 µg/L or higher at 14 of the 18 sample locations. As would be expected, methane concentrations were generally highest in wells that contained hydrocarbons on the WFF property. On the Subject Property, the highest methane concentration was observed at LC2, which also had a strong hydrogen sulfide odor. In general, areas with the highest methane concentrations would be expected to have the best conditions for reductive dehalogenation of DCE and VC.

7.3.7 Alkalinity

In general, a positive correlation between zones of microbial activity and increased alkalinity is expected because the carbon dioxide produced by biological activity increases alkalinity in typical groundwater pH ranges. This trend can be observed on the WFF property where alkalinity in MW1 and M2, located at the downgradient fringe of the hydrocarbon plume and currently without hydrocarbon contamination, have alkalinity concentrations less than 200 mg/L. The remaining wells within the hydrocarbon plume have alkalinity concentrations greater than 400 mg/L, with the exception of MW6 (a well that is minimally impacted by hydrocarbons), which has an alkalinity concentration of 344 mg/L. For the LC property and GTP parcel, LC4,

which is near MW1, had the lowest alkalinity concentration of 233 mg/L, while alkalinity in all other wells ranged from 309 to 406 mg/L. This suggests much of the site has active biological populations.

7.3.8 Chloride

Chloride is one of the final products of chlorinated solvent reduction. In chlorinated solvent plumes where transformation is occurring, chloride concentrations are expected to be greater than two times higher than background. Chloride ions do not significantly adsorb on mineral surfaces and play few biochemical roles; thus physical processes control the migration of chloride ions in the subsurface (Wiedemeier et al., 1998). For this reason, chloride ions may also be elevated at the downgradient end of a chlorinated solvent plume. Chloride concentrations ranged between 4.8 mg/L and 20.5 mg/L. Some of the lowest chloride concentrations (i.e., less than 8 mg/L) occurred at the downgradient wells MW1 and MW2, and also at downgradient well GT1. The highest chloride concentration (20.5 mg/L) was observed at LC1, which is located within a probable source area, but currently contains low cVOC concentrations, which would be consistent with the complete degradation of PCE.

7.3.9 Chemical Oxygen Demand (COD)

COD can be an indicator of contaminant loading (i.e., hydrocarbons or naturally occurring organics). On the Subject Property, COD concentrations ranged between 5.68 and 12.8 mg/L. On the WFF property COD ranged between <5 and 57.1 mg/L. As expected, COD concentrations were highest in wells that contained greater than 0.5 mg/L TPH-D. This confirms the presence of potential electron donor compounds to facilitate reductive dehalogenation at these locations.

7.3.10 *Dehalococcoides spp.*

Test results from the *Dehalococcoides spp.* analysis indicate the groundwater samples contain relatively low biomass, indicative of low nutrient groundwater. GT2 had the highest biomass (3,841 nanograms [ng] DNA/L) and LC1 had the lowest biomass at 117 ng DNA/L. On the Subject Property, wells containing the highest biomass (i.e., greater than 1,000 ng DNA/L) were somewhat scattered across the area (GT2, GT3, LC2, LC3). On the WFF property, wells containing the highest biomass were located within the hydrocarbon plume. *Dehalococcoides spp.* was detected in seven wells, including all of the wells on the Subject Property, except GT1 and LC4. *Dehalococcoides spp.* was detected in only one of the WFF monitoring wells (MW6). This is not surprising given the extremely low concentrations of cVOCs in this area. The pattern of occurrence for *Dehalococcoides spp.* is what would be predicted for a source area emanating from under the west end of the LeatherCare building and diffusing out to the north and south and dissipating as it reaches the hydrocarbon plume on the WFF property. This finding is consistent with the fact that PCE has been almost completely degraded to less chlorinated compounds throughout the site. It is possible that the *Dehalococcoides spp.* observed are a remnant of a more substantial PCE plume in this area that has been almost completely degraded. The remaining concentrations of cVOCs are sufficient only to support a small population of

Dehalococcoides spp., and the population will eventually completely die off as the chlorinated solvents are further reduced.

7.4 Summary of Plume Behaviors

The information on groundwater conditions provided in the above sections can be used to characterize the behavior of a chlorinated solvent plume. Chlorinated solvent plumes can exhibit three types of behavior depending upon the amount of solvent, the amount of biologically available organic carbon in the aquifer, the distribution and concentration of natural electron acceptors, and the types of electron acceptors being used. Individual plumes may exhibit all three types of behavior in different portions of the plume (Wiedemeier, et. al., 1998). Type 1 behavior occurs when the primary substrate is anthropogenic (i.e., petroleum hydrocarbons), and microbial degradation of the anthropogenic carbon drives reductive dechlorination. Type 2 behavior dominates in areas that are characterized by relatively high concentrations of biologically available native organic carbon. Microbial utilization of this natural carbon source drives reductive dechlorination. Type 3 behavior dominates in areas that are characterized by inadequate concentrations of native or anthropogenic carbon and concentrations of dissolved oxygen are greater than 1.0 mg/L. Reductive dechlorination will not occur in a Type 3 environment, however VC can be rapidly oxidized. A single chlorinated solvent plume can exhibit all three types of behavior in different portions of the plume, which can be beneficial to the degradation of the cVOCs.

Based on the groundwater conditions observed, the PCE plume primarily exhibits Type 1 and 2 behavior. Type 1 behavior predominates within the hydrocarbon plume in the WFF north parking area. Type 2 behavior predominates on the Subject Property where the hydrocarbon concentrations are low or nonexistent. Sulfate reducing conditions seem to predominate throughout the areas that exhibit Type 1 and Type 2 behavior. However, methanogenesis is also occurring within the central area of the hydrocarbon plume and the area of LC2. VC tends to degrade more slowly than the more highly chlorinated compounds in the Type 1 and Type 2 plumes, and thus the tendency to see VC still slightly exceeding cleanup levels in these areas.

MW1 and GT1 seem to be mildly oxic, exhibiting primarily Type 3 behavior. It is notable that VC concentrations were virtually eliminated between GT2, which contained 19 µg/L vinyl chloride and a DO concentration of 0.34 mg/L and GT1, which contained less than 0.2 µg/L vinyl chloride and a DO concentration of 0.7 mg/L. MW1 which only contained 0.4 µg/L VC is very close to LC4, which contained 2.6 µg/L. The DO concentration at LC4 was 0.43 mg/L, while the DO concentration at MW1 was higher at 0.70 mg/L. Not only is vinyl chloride degraded under anaerobic conditions as it reaches the hydrocarbon plume, it is also degraded in locations where it encounters aerobic conditions. Thus, given the age of this contamination, the current distribution of VC represents an equilibrium with both anaerobic and aerobic

degradation processes occurring, and without any additional source VC, the plume will continue to shrink.

7.5 Statistical Evaluation

CDM applied the Mann-Kendall statistical test to concentrations of PCE, TCE, *c*-1,2-DCE, VC, diesel, and oil in groundwater at monitoring wells MW1 through MW12, since there are multiple sets of contaminant data at these wells. The Mann-Kendall test indicates the presence or absence of a statistically significant increasing or decreasing trend in concentrations at a monitoring point. The results of the Mann-Kendall trend analysis are summarized on **Table 5**. For the chlorinated ethenes, 15 of the 18 Mann-Kendall tests showed decreasing trends. Some of these decreasing trends were statistically significant ($\alpha = 0.1$), including PCE at MW6; TCE at MW2 and MW6; *c*-1,2-DCE at MW1, MW2, and MW8; and VC at MW2 and MW8.

Increasing trends were noted for *c*-1,2-DCE at MW5 and MW7, and VC at MW5. However, these trends are not very strong (p=0.20 to 0.30) and concentrations of these two compounds in each case have been and continue to be very low. The *c*-1,2-DCE concentrations in both of these wells historically range only between 0.6 and 3.1 µg/L and current concentrations are below 1.0 µg/L in both wells. Similarly, for vinyl chloride in MW5, the current concentration is only 0.2 µg/L – which does not exceed the MTCA Method A cleanup level. Further review of the data shows that *c*-1,2-DCE in MW5 and MW7 and VC in MW5 started out below detection limits. It is possible the plume did not reach these wells until after 2001-2003. Omitting the early non-detects in these two wells yields decreasing trends in each case. Thus, the Mann-Kendall results from wells MW-1 through MW-12 are consistent with the conclusion in Section 7.4 that the cVOCs are not migrating any further, but are, at worst, in equilibrium with degradation processes, and are likely decreasing in concentration due to degradation in the absence of a continuing source.

There is insufficient data to conduct any statistical data on the Subject Property. However, CDM did place monitoring wells LC3, LC4, and LC5 in areas expected to have the highest PCE, TCE, and/or VC concentrations, based on Entrix's December 2004 grid sampling. LC3 was placed near Entrix sample LCA-4. Whereas LCA-4 contained 45 µg/L VC, LC3 contained only 2 µg/L VC. LC4 was placed near Entrix sample LCD-1. LCD-1 contained 100 µg/L PCE, but LC4 contained only 14 µg/L PCE. LC5 was placed near Entrix sample LCD-3. LCD-3 contained 35 µg/L PCE, but LC3 contained only 0.4 µg/L PCE. These differences may be indications of significant contaminant reduction. If they are not, the high concentrations in the older Entrix samples were extremely localized.

The Mann-Kendall tests did not show as favorable results for the diesel range petroleum hydrocarbons in the north parking lot. Increasing trends in four of the eight wells were indicated in the north parking lot. In three of these wells the increasing trends appear significant (MW4, p=0.0922; MW5, p=0.0118, and MW6, p=0.069). Significant decreasing trends were indicated at MW7 (p=0.0255) and MW3 (p=0.104). A review of the data indicates that MW3 and MW7 represent a source area

because of the historical presence of free product at MW3 and very high concentrations of diesel range hydrocarbons at MW7 (up to 19.6 mg/L). The decreasing trends at MW3 and MW7 versus increasing trends at MW4, MW5 and MW6, may be a result of the plume simply spreading out from the source area. Oil-range petroleum hydrocarbons in the north parking lot appear to be decreasing. In the central yard, petroleum hydrocarbon concentrations in MW12 have been below cleanup levels for the past two years.

Section 8
Conclusions and Recommendations

8.1 Conclusions

The results of this investigation identified PCE and its degradation products in soil and groundwater throughout the Subject Property that are likely the result of historical use of PCE at LeatherCare. However, the cVOC concentrations are relatively low throughout the Subject Property. PCE exceeded its MTCA Method A cleanup level of 5 µg/L at two locations and TCE exceeded its MTCA Method A cleanup level of 5 µg/L at only one location. Concentrations of these two compounds ranged between just 9.4 and 14 µg/L in the locations of exceedances. The concentration gradients of the various cVOCs across the Subject Property are indicative of small, incidental releases that may have occurred at several locations. PCE concentrations are not nearly high enough to be indicative of the presence of free phase product. VC is found throughout the Subject Property, but again concentrations of VC, where detected, are relatively low, ranging between 1.2 and 19 µg/L.

The VC plume has previously migrated into the north parking lot area of the WFF property, where it has met with the existing hydrocarbon plume that originates on the WFF property. VC concentrations on the WFF property are even lower than those observed on the Subject Property, ranging between 0.2 and 3.2 µg/L where VC is detected. PCE, TCE, and *c*-1,2-DCE on the WFF property have been reduced to concentrations that are not subject to enforcement of cleanup actions.

Field monitoring, chemical, and biological testing data conducted on soil and groundwater, along with historical groundwater chemical data, indicate that biological degradation processes are actively occurring throughout the Investigation Area to reduce contaminant concentrations. This explains the diminishing concentrations of cVOCs as they move toward and then commingle with the hydrocarbon plume on the WFF property. The small size of this relatively old cVOC plume, the low concentrations, the evidence for biological degradation processes, and the Mann-Kendall statistical evaluation all indicate that the cVOC plume is at least stable due to biological degradation processes, and is probably decreasing in concentration and size.

Vinyl chloride on the WFF property could conceivably be reduced to concentrations less than 0.2 µg/L within a few years considering the strong indications of active natural biological attenuation processes, the reducing trends noted, and the presently low concentrations of cVOCs. On the Subject Property itself, PCE, TCE and VC could meet MTCA Method A cleanup levels in groundwater within approximately 5 years through natural attenuation processes alone.

Natural attenuation of the hydrocarbon plume within the WFF north parking lot appears to be more recalcitrant to natural attenuation processes. The likely contaminant source, Pecks Fuel, occupied the property between about 1921 and 1956,

so the plume is between 50 and 75 years old. Primary factors affecting the low rate of degradation are likely because of anaerobic conditions, presence of free phase hydrocarbons, and the types of hydrocarbons remaining which tend to be slow to degrade (e.g. , heavier end diesel and oil range petroleum hydrocarbons).

Historical research of the general site area identified a former gasoline station that was located across Elliott Avenue W, just east of the WFF north parking lot, and the existing railroad line that bounds the investigation area to the west as additional potential contaminant sources in the site area. However, at this time there are no indications that there is contamination originating from either of these areas that is impacting the Investigation Area.

8.2 Recommendations

CDM recommends implementing quarterly monitoring for the next year to verify the conclusions of this report. At the end of that period, the data should be reviewed and the natural attenuation of cVOCs re-evaluated. If cVOC data continue to show a declining trend, this data set should be sufficient to gain approval for the selection of monitored natural attenuation for remediation of the contaminant plume. A program of monitored natural attenuation may need to be implemented under Washington State Department of Ecology's Voluntary Cleanup Program.

Section 9
Limitations

This report was prepared for the exclusive use of Ryan, Swanson & Cleveland, PLLC, for this project only. The analyses, conclusions, and recommendations in this report are based on conditions encountered at the time of our field investigation, information you provided, and our experience and engineering judgment. CDM cannot be responsible for the interpretation by others of the data contained herein.

We must presume that subsurface conditions encountered are representative of the site. However, you should be aware that subsurface conditions may vary between exploration locations and with time, and unanticipated conditions can and often do occur.

Our work has been performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the area. No other warranty, express or implied, is made.

Section 10
References

10.1 Published Documents

ARCADIS G&M, Inc. 2002. Final: Technical Protocol for Using Soluble Carbohydrates to Enhance Reductive Dechlorination of Chlorinated Aliphatic Hydrocarbons. Prepared for Air Force Center for Environmental Excellence (AFCEE) and Environmental Security Technology Certification Program (ESTCP) Under Contract #F41624-99-C-8032. December 19. 3w

Borden, R.C, 1994. Natural bioremediation of hydrocarbon contaminated groundwater, *in* Matthews, J.E., ed., Handbook of Bioremediation: Boca Raton Fla., Lewis Publishers. P. 177-199.

Bradley, P.M, and F.H Chapelle. 1996. Anaerobic mineralization of vinyl chloride in Fe(III)-reducing aquifer sediments: Environ. Sci. Technol. v. 40 p. 2084-2086.

Bradley, P.M, and F.H Chapelle. 1997. Kinetics of DCE and VC mineralization under methanogenic and Fe(III)-reducing conditions: Environ. Sci. Technol. v. 31: p. 2692-2696.

Bradley, P.M, F.H. Chapelle. 1998. Microbial mineralization of VC and DCE under different terminal electron accepting conditions. Anaerobe, v 4. p. 81-87.

Bradley, P. M., and F. H. Chapelle, 2000. *Environmental Science and Technology, 34*:221-223.

Chapelle, F.H., P.M. Bradley, D.R. Lovley, and D.A. Vroblesky. 1996. Measuring rates of biodegradation in a contaminated aquifer using field and laboratory methods: Ground Water v. 34. p. 691-698.

Chapelle, Francis H. 1997. Identifying Redox Conditions That Favor the Natural Attenuation of Chlorinated Ethenes in Contaminated Ground-Water Systems. In Proceedings of the Symposium on Natural Attenuation of Chlorinated Organics in Ground Water. EPA/540/R-97/504. May 1997.

Chapelle, Francis H., Mark A. Widdowson, J. Steven Brauner, Eduardo Mendez III, and Clifton C. Casey. 2003. Methodology for Estimating Times of Remediation Associated with Monitored Natural Attenuation. U.S. Geological Survey Water Resources Investigations Report 03-4057.

Coleman, N. V., T. E. Mattes, J. M. Gossett, and J. C. Spain, 2002. Applied and Environmental Microbiology, 68(6):2726-2730.

Ecology. 2001a. Model Toxics Control Act Cleanup Regulation, Chapter 173-340 WAC. Washington State Department of Ecology Toxics Cleanup Program. Publication No. 94-06. 1994, Revised January 2003, Amended February 12, 2001.

Ecology. 2001b. Workbook Tools for Calculating Soil and Ground Water Cleanup Levels under the Model Toxics Control Act Cleanup Regulation, User's Guide.

Entrix., Inc. 2001. Environmental Data Summary From Previous Studies and Reports, WestFarm Foods Site. Prepared for WestFarm Foods. May 10, 2001

Environomics, Inc. 2000. Phase I Environmental Site Assessment of the Property Located at 901 and 921 Elliott Avenue West, Seattle, Washington 98119. As of April 5-6, 2000.

EPA. 1997. Use of Monitoring natural Attenuation at Superfund, RCRA corrective Action, and Underground Storage Tank Sites. Office of Solid Waste and Emergency Response Directive 9200.4-17.

Groundwater Services, Inc. 1997. BioScreen, Instrinsic Remediation Decision Support System. Developed for AirForce Center for Environmental Excellence (AFCEE) Technology Transfer Division.

Klier, N.J., R.J, West, and P.A. Donberg. 1998. Aerobic biodegradation of dichloroethylenes in surface and subsurface soils: Chemosphere.

Klier, N. J., R. J. West, and P. A. Donberg, 1999. *Chemosophere, 38*:1175-1188.

Maymo-Gatelle, X., Y-T Chien, J. M. Gossett, S.H. Zinder. 1997. Isolation of a bacterium that reductively dechlorinates tetrachloroethene to ethene. Science. V 276- p. 1568-1571.

Sorenson, K. S., L. N. Peterson, R. E. Hinchee, and R. L. Ely, 2000. "An Evaluation of Aerobic Trichloroethene Attenuation Using First-Order Rate Estimation." Bioremediation Journal, 4(4):337-357.

United States Geological Survey (USGS). 1987. Seattle, Wash. Topographic map.

USGS. 1909. Seattle, Wash. Topographic map.

USGS. 1949. Seattle South, Wash. Topographic map. Photorevised 1968 and 1973.

USGS. 1983. Seattle South, Wash. Topographic map.

Vogel, T.M., C.S. Criddle, P.L, McCarty. 1987. Transformation of halogenated aliphatic compounds: Environmental Science and Technology. v. 1, p. 722-736.

Waldron, Howard H., Bruce A. Liesch, Donal R. Mullineaux, and Dwight R. Crandell. 1962. Preliminary Geologic Map of Seattle and Vicinity, Washington. Miscellaneous Geologic Investigations Map I -354.

Wiedemeier, Todd of Parsons Engineering Science, Inc., John T. Wilson and Donald H. Kampbell of U.S. Environmental Protection Agency - Rober S. Kerr Laboratory, Ross N. Miller and Jerry E. Hansen of AirForce Center for Environmental Excellence Technology Transfer Division. 1995. Technical Protocol for Implementing Intrinsic Remediation with Long Term Monitoring for Natural Attenuation for Fuel Contamination Dissolved in Groundwater. Volume 1. Air Force Center for Environmental Excellence, Technology Transfer Division, Brooks AFB, San Antonio, Texas.

Wiedemeier, Todd H., Matthew A. Swanson, and David E. Moutoux of Parsons Engineering Science, Inc.; John T. Wilson and Donald H. Kampbell, U.S. Environmental Protection Agency, National Risk Management Research Laboratory, and; Jerry E. Hansen and Patrick Haas, U.S. Air Force Center for Environmental Excellence, Technology Transfer Division. 1997. Overview of the Technical Protocol for Natural Attenuation of Chlorinated Aliphatic Hydrocarbons in Ground Water Under Development for the U.S. Air Force Center for Environmental Excellence. In Proceedings of the Symposium on Natural Attenuation of Chlorinated Organics in Ground Water. EPA/540/R-97/504. May 1997.

Wiedemeier, Todd H., Matthew A. Swanson, and David E. Moutoux, and E. Kinzie Gordon of Parsons Engineering Science, Inc.; John T. Wilson, Barbara H. Wilson, and Donald H. Kampbell, U.S. Environmental Protection Agency, National Risk Management Research Laboratory; Patrick Haas, Ross N. Miller, and Jerry E. Hansen, U.S. Air Force Center for Environmental Excellence, Technology Transfer Division; and Francis H. Chapelle, United States Geological Survey. 1998. Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water. EPA/600/R-98/128. September 1998.

Wymore, R. A., L. N. Peterson, L. O. Nelson, and K. S. Sorenson, Jr., 2006. "Monitored Natural Attenuation for an Aerobic TCE Plume." Radwaste Solutions, 13(2):50-57.

10.2 Other Documents and Information Sources

Entrix, Inc. 2001a. Environmental Data Summary From Previous Studies and Reports, WestFarm Foods Site. Prepared for WestFarm Foods. May 10.

Entrix, Inc. 2001b. WestFarm Foods Field Investigation Data Summary Report. Prepared for WestFarm Foods. May 10.

Entrix, Inc. 2003. WestFarm Foods 2003 Phase III Field Investigation Data Summary Report. Prepared for WestFarm Foods. November 6.

Entrix, Inc. 2005. LeatherCare Groundwater Investigation Data Summary Report. Prepared for WestFarm Foods. August 31, 2005.

Environmental Data Resources Inc. (EDR). EDR Radius Map with GeoCheck® prepared for LeatherCare, 901/921 Elliott Avenue West, Seattle, WA 98119. November 23, 2005.

Polk Directories available at the Puget Sound Regional Archives - Selected years between 1938 and 1996 for addresses between 635 and 925 Elliott Avenue W.

Sanborn Maps - dated 1917, 1950, 1969.

Seattle Building and Land Use Department - microfiche records for 635, 711, 901, 911, 919 Elliott Avenue W.

Seattle City Sewer Cards, available at:
http://web1.seattle.gov/dpd/sidesewercardsv2/

Tax Assessor Cards available at the Puget Sound Regional Archives - Records for 635, 669, 675, 717, 901, 909, 915, and 921 Elliott Avenue W.

Washington State Department of Ecology - Confirmed, Suspected and Contaminated Sites List (CSCL) List updated January 3, 2006. Available at: www.ecy.wa.gov.

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7 Copies

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Tables

Tables

Table 1
Groundwater Elevation Data
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Monitoring Well I.D.	Date Measured	Time (hours)	Top of Casing Elevation [a] (feet)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (feet)
GT1	05/10/06	0912	12.74	1.84	10.90
GT2	05/10/06	0910	12.45	1.23	11.22
GT3	05/10/06	0909	13.36	2.18	11.18
LC1	05/10/06	0916	13.17	1.57	11.60
LC2	05/10/06	0919	13.41	2.01	11.40
LC3	05/10/06	0925	14.16	2.56	11.60
LC4	05/10/06	0921	14.72	3.16	11.56
LC5	05/10/06	0922	14.13	2.57	11.56
LC6	05/10/06	0928	16.85	5.26	11.59
MW1	05/10/06	0932	14.02	2.42	11.60
MW2	05/10/06	0933	13.14	1.52	11.62
MW3	05/10/06	0937	17.40	5.80	11.60
MW4	05/10/06	0950	14.95	3.38	11.57
MW5	05/10/06	0952	14.49	2.87	11.62
MW6	05/10/06	0930	13.77	2.17	11.60
MW7	05/10/06	0935	13.88	2.31	11.57
MW8	05/10/06	0938	15.42	3.85	11.57
MW9	05/10/06	0941	14.12	2.53	11.59
MW10	05/10/06	0948	19.93	8.62	11.31
MW11	05/10/06	0945	20.38	8.91	11.47
MW12	05/10/06	0942	20.44	8.95	11.49
MW13	05/10/06	0946	20.06	8.55	11.51

Notes:

a) Top of casing elevations in feet relative to a brass monument located at the south corner of Elliot Avenue W. and W. Roy Street, marked as Elevation 19.78 feet. No verifiable City of Seattle datum could be found in the site area.

ft bgs - feet below ground surface

TOC - top of casing

Table 2
Soil Analytical Summary
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Analytes and Test Methods	Method A Cleanup Levels	Soil Boring Location, Sample Depths, and Date Sampled										
		GT1 6' 5/5/2006	GT2 2' 5/5/2006	LC1 2' 5/5/2006	LC1 8' 5/3/2006	LC2 4.5' 5/3/2006	LC3 2.5' 5/4/2006	LC4 6' 5/4/2006	LC5 2.5' 5/4/2006	LC5 8-11' 5/4/2006	LC6 2.5' 5/4/2006	LC6 8' 5/4/2006
Detected Volatile Organic Compounds (EPA SW8260B) (µg/kg)												
Tetrachloroethene	50 [a]	<1.1	2.4	**110**	--	<86/4.0J	2.2	12	19	--	2.5	--
Trichloroethene	30 [a]	<1.1	14	15	--	<86/1.5J	<1.1	7.0	3.4	--	<1.2	--
cis-1,2-Dichloroethene	800,000 [b]	<1.1	24	5.1	--	190/7.6J	<1.1	3.4	6.2	--	<1.2	--
trans-1,2-Dichloroethene	1,600,000 [b]	<1.1	9.4	<1.1	--	<86/<1.2J	<1.1	<1.3	<1.1	--	<1.2	--
1,1-Dichloroethene	1,670 [b]	<1.1	<1.0	<1.1	--	<86/<1.2J	<1.1	<1.3	<1.1	--	<1.2	--
Vinyl Chloride	667 [b]	<1.1	<1.0	<1.1	--	<86/<1.2J	<1.1	2.0 M	1.5	--	<1.2	--
Metals (BAFeIII) (mg/kg)												
Bio-Available Ferric Iron		--	--	--	<5.0	--	--	--	--	1,350	--	<5.0
Bio-Available Manganese		--	--	--	<5.0	--	--	--	--	<5.0	--	<5.0
Oxidized Iron		--	--	--	238	--	--	--	--	<5.0	--	533
Total Organic Carbon (Plumb, 1981) (Percent)		0.129	--	0.150	--	0.230	--	0.136	--	--	--	--

Notes:

Bold and boxed values exceed Method A/B cleanup level.

a) Washington Administrative Code Chapter 173-340, Model Toxics Control Act Cleanup Regulation, Method A suggested soil cleanup level; promulgated August 15, 2001.

b) Method B cleanup level from Washington Dept. of Ecology's Cleanup Levels and Risk Calculations (CLARC) tables. Soil cleanup levels based on direct contact (ingestion); not to be used for protection of groundwater.

µg/kg - micrograms per kilogram.

mg/kg - milligrams per kilogram

J - value from sample out of holding time; estimated value

M - Estimated amount of analyte found and confirmed by analyst but with low GC/MS spectral match.

N/A - not applicable

-- not analyzed

< - analyte not detected at or greater than the listed concentration

Table 3

Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties

Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.

Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. GT1	GT2	GT3	LC1	LC2 [b]	LC3	LC4 [c]	LC5	LC6	Field Blank	Trip Blank
Field-Measured Parameters													
pH	05/06	N/A	7.23	7.03	7.10	7.05	7.43	6.95	7.18	6.95	6.99	--	--
ORP [d] (mV)	05/06	N/A	-33.2	-27.3	-56.0	-72.1	-151.5	-33.3	-49.6	-81.6	-49.7	--	--
Temperature (°C)	05/06	N/A	15.96	16.19	15.08	18.34	18.17	15.92	14.07	13.79	14.24	--	--
Specific Conductivity (µS/cm)	05/06	N/A	1,243	1,283	1,264	1,190	1,183	1,345	1,360	1,322	1,281	--	--
Dissolved Oxygen (mg/L)	05/06	N/A	0.70	0.34	0.70	0.24	0.40	0.42	0.43	0.33	0.39	--	--
Turbidity (NTU)	05/06	N/A	1.76	0.83	0.66	5.76	62.0	1.05	1.79	2.82	2.01	--	--
Ferrous Iron (ppm)	05/06	N/A	0.1	0.2	0.2	0.5	0.3	0.3	0.2	1	0.5	--	--
General Groundwater Chemistry													
Chloride (EPA Method 325.2) (mg/L)	05/06	N/A	7.4	7.9	16.5	20.5	8.8	16.1	6.8/6.7	14.0	17.5	--	--
Sulfate (EPA Method 375.2) (mg/L)	05/06	N/A	62.3	64.4	77.8	88.9	52.7	69.7	39.3/39.5	39.5	54,2	--	--
Chemical Oxygen Demand (EPA Method 410.4) (mg/L)	05/06	N/A	6.18	5.68	9.29	12.8	12.4	7.71	10.1/6.87	10.1	12.8	--	--
Alkalinity (SM 2320) (mg/L $CaCO_3$)	05/06	N/A	336	406	358	368	309	398	233/233	372	401	--	--
Carbonate (SM 2320) (mg/L CaCO3)	05/06	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0/<1.0	<1.0	<1.0	--	--
Bicarbonate (SM 2320) (mg/L CaCO3)	05/06	N/A	336	406	358	368	309	398	233/233	372	401	--	--
Hydroxide (SM 2320) (mg/L CaCO3)	05/06	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0/<1.0	<1.0	<1.0	--	--
***Dehalococcoides spp.* (QCPR) [e]**	05/06	N/A	-	+	+	+	-	+	-/-	+	+	--	--
Reductive Dechlorination End Products (RSK 175) (µg/L)													
Methane	05/06	N/A	98	140	100	110	590	33	98/87	220	77	--	--
Ethane	05/06	N/A	<12	<12	<12	<12	<12	<12	<12/<12	<12	<12	--	--
Ethene	05/06	N/A	<11	<11	<11	<11	<11	<11	<11/<11	<11	<11	--	--
NWTPH-Dx (mg/L)													
Diesel	05/06	0.50	<0.25	0.32	<0.25	<0.25	<0.25	<0.25	<0.25/<0.25	0.35	0.35	--	--
Motor Oil	05/06	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50/<0.50	<0.50	<0.50	--	--
Detected Volatile Organic Compounds (EPA SW8260B) (µg/L)													
Tetrachloroethene	05/06	5	<0.2	<0.2	0.4	2	**9.4**	2.9	**14/14**	0.4	<0.2	<0.2	<0.2
Trichloroethene	05/06	5	0.4	0.6	**11**	2.8	4	0.6	2.4/2.4	0.5	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	05/06	80 [f]	4.2	16	49 D	5.9	14	2.4	7.6/7.9	3.4	2.4	<0.2	<0.2
trans-1,2-Dichloroethene	05/06	160 [f]	<0.2	5	9.4	<0.2	0.9	<0.2	0.4/0.4	0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	05/06	0.073 [f]	<0.2	<0.2	**0.3**	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	05/06	0.2	<0.2	**19** D	**9.7**	**1.1**	**2.8**	**2**	**2.6/2.6**	**4.8**	**1.2**	<0.2	<0.2
1,1,1-Trichloroethane	05/06	200	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	05/06	0.77 [f]	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	05/06	800 [f]	<0.2	<0.2	<0.2	<0.2	0.9	<0.2	0.4/0.4	<0.2	<0.2	<0.2	<0.2
Benzene	05/06	5	<0.2	1.5	1.4	<0.2	0.4	<0.2	0.7/0.6	<0.2	<0.2	<0.2	<0.2
Toluene	05/06	1,000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	0.4	<0.2

CDM

Table 3

Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties

Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.

Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D.										
			GT1	GT2	GT3	LC1	LC2 [b]	LC3	LC4 [c]	LC5	LC6	Field Blank	Trip Blank
Dibromochloromethane	05/06	0.52 [f]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2
tert-Butylbenzene	05/06	N/A	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2
Acetone	05/06	800 [f]	3.4 M	5.3 M	<1.0	1.5	2.3	1.3	1.5/1.7	2.1	1.7	5.2	1.5
Methylene Chloride	05/06	5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3/<0.3	<0.3	<0.3	<0.3	0.4

Notes:

Bold and boxed values exceed Method A/B cleanup level.

a) Washington Administrative Code Chapter 173-340, Model Toxics Control Act Cleanup Regulation, promulgated August 15, 2001. Method A suggested groundwater cleanup level used when available.

b) Water in LC2 had a strong hydrogen sulfide odor and would not clear up fully; suspect turbidity is suspended organics.

c) Second set of concentrations are from a blind duplicate sample.

d) Silver-silver chloride reference electrode.

e) + means dehalococcoides detected; - means dehalococoides not detected.

f) Method B cleanup level from Washington Dept. of Ecology's Cleanup Levels and Risk Calculations (CLARC) tables.

°C - degrees Celsius.

mV - millivolts.

NTU - Nephelometric turbidity units.

ORP - oxidation reduction potential.

N/A - not applicable.

µS/cm - microsiemens per centimeter.

µg/L - micrograms per liter.

mg/L - milligrams per liter.

ppm - parts par million

J - estimated value.

D - value from a diluted sample.

M - estimated amount of analyte found and confirmed by analyst but with low GC/MS spectral match.

-- not analyzed.

< - analyte not detected at or greater than the listed concentration.

Table 4
Groundwater Analytical Summary - WestFarm Foods Property
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Analytes and Test Methods	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW12
Field-Measured Parameters											
pH	05/06	N/A	7.39	7.31	7.09	6.99	7.01	7.03	6.93	6.89	7.20
ORP [b] (mV)	05/06	N/A	96.6	-32.0	-156.2	-37.8	-95.3	-75.6	-94.0	-84.0	-16.5
Temperature (°C)	05/06	N/A	15.22	16.10	14.73	15.27	15.55	13.77	14.18	14.18	12.36
Specific Conductivity (µS/cm)	05/06	N/A	1322	1244	1277	1251	1261	1332	1296	1302	1358
Dissolved Oxygen (mg/L)	05/06	N/A	0.89	0.17	0.22	0.38	0.32	0.26	0.52	0.32	0.58
Turbidity (NTU)	05/06	N/A	0.89	1.06	0.86	1.54	1.47	3.54	2.43	2.46	0.47
Ferrous Iron (ppm)	05/06	N/A	0	0.10	0.50	0.9	2	0.9	0.6	0.8	0
General Groundwater Chemistry											
Chloride (EPA Method 325.2) (mg/L)	05/06	N/A	4.8	7.7	19.7	14.3	17.6	13.3	15.5	12.7	10.2
Sulfate (EPA Method 375.2) (mg/L)	05/06	N/A	30.0	32.1	56.1	47.4	48.7	42.8	13.6	24.1	31.7
Chemical Oxygen Demand (EPA Method 410.4) (mg/L)	05/06	N/A	7.56	<5.0	28.6	57.1	17.2	12.7	41.4	36.2	11.7
Alkalinity (SM 2320) (mg/L $CaCO_3$)	05/06	N/A	161	190	416	407	405	344	450	427	296
Carbonate (SM 2320) (mg/L CaCO3)	05/06	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate (SM 2320) (mg/L CaCO3)	05/06	N/A	161	190	416	407	405	344	450	427	296
Hydroxide (SM 2320) (mg/L CaCO3)	05/06	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dehalococcoides spp. **(QCPR)** [d]		N/A	-	-	-	-	-	+	-	-	-
Reductive Dechlorination End Products (RSK 175) (µg/L)											
Methane	05/06	N/A	12	10	250	250	190	120	700	540	180
Ethane	05/06	N/A	<12	<12	<12	<12	<12	<12	<12	<12	<12
Ethene	05/06	N/A	<11	<11	<11	<11	<11	<11	<11	<11	<11
NWTPH-Dx (mg/L)											
Diesel	03/01	0.50	<0.25	<0.25	6.44	<0.25	<0.25	<0.25	19.6	<0.25	<0.25
	05/03	0.50	0.325	0.789	12.9 *	0.954	0.765	0.752	8.0	6.43	1.76
	10/03	0.50	0.317	0.488	209 *	2.7	<0.25	0.289	2.31	0.82	1.34
	05/04	0.50	0.271	0.498	FP	2.83	0.381	0.394	4.37	4.0	0.626
	11/04	0.50	<0.25	<0.25	FP	<0.25	0.27	<0.25	1.4	0.75	0.48
	03/05	0.50	<0.25	<0.25	4.7	1.0	0.43	0.37	3.7	1.8/1.8	<0.25
	08/05	0.50	0.390	0.86	13 *	1.9	0.68	0.28	2.1	1.3	<0.25
	10/05	0.50	0.310	0.52	4.1	1.4/1.7	0.64	0.42	2.8	1.7	0.27
	12/05	0.50	<0.25/<0.25	--	13	3.4	1.1	0.38	2.6	1.8	0.33
	03/06	0.50	0.330	0.59	4.4	1.3	1.2	1.2	0.30	0.52	<0.25
	05/06	0.50	<0.25	<0.25	0.61	2.3	0.66	0.5	2.6	1.6	<0.25
Motor Oil	03/01	0.50	<0.50	<0.50	15.4	<0.50	<0.50	<0.50	3.51	<0.50	<0.50
	05/03	0.50	<0.50	<0.50	26.2 *	<0.50	<0.50	<0.50	1.05	0.538	<0.50
	10/03	0.50	<0.50	<0.50	705 *	<0.50	<0.50	0.289	0.71	<0.50	<0.50
	05/04	0.50	<0.50	<0.50	FP	0.501	<0.50	<0.50	0.89	<0.50	<0.50
	11/04	0.50	<0.50	<0.50	FP	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	03/05	0.50	<0.50	<0.50	15	<0.50	<0.50	<0.50	0.90	<0.50/<0.50	<0.50
	08/05	0.50	<0.50	0.68	49 *	0.98	<0.50	<0.50	0.54	<0.50	<0.50
	10/05	0.50	<0.50	<0.50	16	0.68/0.92	<0.50	<0.50	0.82	<0.50	<0.50
	12/05	0.50	<0.50/<0.50	--	50	0.95	<0.50	<0.50	<0.50	<0.50	<0.50
	03/06	0.50	<0.50	0.68	17	<0.50	<0.50	<0.50	1.4	<0.50	<0.50
	05/06	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Table 4
Groundwater Analytical Summary - WestFarm Foods Property
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Analytes and Test Methods	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW12
Detected Volatile Organic Compounds (EPA SW8260B) (µg/L)											
Tetrachloroethene	03/01	5	--	--	<0.1	--	<0.1	2.48	<0.1	--	--
	05/03	5	12.8	--	--	--	--	2.25	--	--	--
	10/03	5	4.84	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	11/04	5	12	<0.2	<0.2	<0.2	<0.2	2.1/0.3	<0.2	<0.2	<0.2
	03/05	5	19	<0.2	<0.2	<0.2	<0.2	1.5	<0.2	<0.2/<0.2	0.3/0.4 [c]
	08/05	5	18	<0.2	<0.6	<0.2	<0.2	0.8	<0.2	<0.2	<0.2
	10/05	5	8.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2
	12/05	5	17	--	<0.2	<0.2	<0.2	0.6	<0.2	<0.2	0.2 J
	03/06	5	2.6	<0.2	<0.2	<0.2	<0.2	0.7	<0.2	<0.2	<0.2
	05/06	5	4.1	<0.2	<0.2	<0.2	<0.2	1	<0.2	<0.2	<0.2
Trichloroethene	03/01	5	--	--	<0.1	--	<0.1	1.37	<0.1	--	--
	05/03	5	2.59	--	--	--	--	1.23	--	--	--
	10/03	5	2.79	1.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	11/04	5	2.4	0.8	<0.2	<0.2	<0.2	0.7/0.3	<0.2	<0.2	<0.2
	03/05	5	2.4	0.8	<0.2	<0.2	0.2 J	0.4	0.2 J	<0.2/<0.2	<0.2/<0.2 [c]
	08/05	5	3.3	0.8	<0.6	<0.2	<0.2	0.5	<0.2	<0.2	<0.2
	10/05	5	3.0	1.0	<0.2	<0.2	0.2	0.4	<0.2	<0.2	<0.2
	12/05	5	2.5	--	<0.2	<0.2	0.1 J	0.3	0.1 J	<0.2	<0.2
	03/06	5	1.1	0.3	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	<0.2
	05/06	5	1.5	0.3	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	03/01	80 [e]	--	--	<0.1	--	<0.1	<0.1	<0.1	--	--
	05/03	80 [e]	7.62	--	--	--	--	7.4	--	--	--
	10/03	80 [e]	13.8	12	<0.1	<0.1	1.17	13	<0.1	1.55	<0.1
	11/04	80 [e]	6.8	6.8	<0.2	<0.2	3.0	4.2/2.4	1.4	1.8	<0.2
	03/05	80 [e]	4.2	6.2	0.2 J	0.2	1.4	3.0	1.8	1.4/1.3	<0.2/<0.2 [c]
	08/05	80 [e]	5.6	7.1	<0.6	<0.2	1.3	3.7	0.6	1.0	<0.2
	10/05	80 [e]	8.6	7.4	0.2	<0.2	3.1	3.6	2.2	1.4	0.2
	12/05	80 [e]	4.7/4.5	--	0.2 J	0.1 J	1.9	2.9	1.6	1.4	0.1
	03/06	80 [e]	2.4	2.6	<0.2	<0.2	1.5	4.0	1.0	1.4	0.2
	05/06	80 [e]	3.1	2.4	0.2	0.3	0.8	2.7	0.7	1.3	<0.2
trans-1,2-Dichloroethene	03/01	160 [e]	--	--	<0.1	--	<0.1	<0.1	<0.1	--	--
	05/03	160 [e]	<0.1	--	--	--	--	0.5	--	--	--
	10/03	160 [e]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	11/04	160 [e]	0.2	0.3	<0.2	<0.2	<0.2	0.3/0.2	<0.2	<0.2	<0.2
	03/05	160 [e]	0.2	0.4	<0.2	<0.2	<0.2	0.3	<0.2	<0.2/<0.2	<0.2/<0.2 [c]
	08/05	160 [e]	0.4	0.4	<0.6	<0.2	<0.2	0.3	<0.2	<0.2	<0.2
	10/05	160 [e]	0.6	0.4	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2
	12/05	160 [e]	0.3/0.3	--	<0.2	<0.2	<0.2	0.3	1.1 J	<0.2	<0.2
	03/06	160 [e]	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	05/06	N/A [e]	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table 4
Groundwater Analytical Summary - WestFarm Foods Property
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Analytes and Test Methods	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW12
1,1-Dichloroethene	03/01	0.073 [e]	--	--	<0.1	--	<0.1	2.02	<0.1	--	--
	05/03	0.073 [e]	<0.1	--	--	--	--	<0.1	--	--	--
	10/03	0.073 [e]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	11/04	0.073 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2
	03/05	0.073 [e]	**0.2** J	**0.1** J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2/<0.2 [c]
	08/05	0.073 [e]	<0.4	<0.2	<0.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	10/05	0.073 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	12/05	0.073 [e]	<0.2/<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	03/06	0.073 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	05/06	0.073 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	03/01	0.20	--	--	<0.1	--	<0.1	**3.21**	<0.1	--	--
	05/03	0.20	**0.665**	--	--	--	--	**11.1**	--	--	--
	10/03	0.20	**1.21**	**20.4**	<0.1	<0.1	<0.1	**41.2**	**1.74**	**1.38**	<0.1
	11/04	0.20	**0.5**	**5.8**	<0.2	<0.2	**2.1**	**7.9/8.8**	**1.4**	**1.7**	<0.2
	03/05	0.20	**0.5**	**3.3**	<0.2	<0.2	**0.4**	**6.1**	**1.6**	**1.3/1.1**	<0.2/<0.2 [c]
	08/05	0.20	**0.7**	**2.0**	<0.6	<0.2	**0.3**	**7.7**	0.2	**0.4**	<0.2
	10/05	0.20	**2.1**	**4.1**	<0.2	<0.2	**1.3**	**9.2**	**1.4**	**0.8**	<0.2
	12/05	0.20	**1.2/1.0**	--	<0.2	<0.2	**0.6**	**11**	**1.0**	**1.0**	<0.2
	03/06	0.20	**0.3**	0.2	<0.2	<0.2	**0.8**	**3.5**	**0.7**	**0.7**	<0.2
	05/06	0.20	**0.4**	0.2	<0.2	<0.2	0.2	**3.2**	**0.4**	**0.4**	<0.2
1,1,1-Trichloroethane	03/01	200	--	--	<0.1	--	<0.1	<0.1	<0.1	--	--
	05/03	200	<0.1	--	--	--	--	<0.1	--	--	--
	10/03	200	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	05/06	200	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	05/06	0.77 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	05/06	800 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	05/06	5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	05/06	1,000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dibromochloromethane	05/06	0.52 [e]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
tert-Butylbenzene	05/06	N/A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Acetone	05/06	800 [e]	<1.0	<1.0	1.2	2	<1.0	1.4	3.3	<1.0	1.8
Methylene Chloride	05/06	5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

Notes:

Bold and boxed values exceed Method A/B cleanup level.
a) Washington Administrative Code Chapter 173-340, Model Toxics Control Act Cleanup Regulation, promulgated August 15, 2001. Method A suggested groundwater cleanup level used when available.
b) Silver-silver chloride reference electrode.
c) MW12 was resampled on 4/4/05.
d) + means *Dehalococcoides spp*. detected; - means *Dehalococcoides spp*. not detected.
e) Method B cleanup level from Washington Dept. of Ecology's Cleanup Levels and Risk Calculations (CLARC) tables.
M - Estimated amount of analyte found and confirmed by analyst but with low GC/MS spectral match.
°C - degrees Celsius
mV - millivolts
NTU - nephelometric turbidity units
ORP - oxidation reduction potential
µS/cm - microsiemens per centimeter
µg/L - micrograms per liter
ppm - parts per million
mg/L - milligrams per liter
J - estimated value
< - analyte not detected at or greater than the listed concentration
D - value from a diluted sample
-- not analyzed
FP - not sampled due to free product
* free product present

Table 5
Mann-Kendall Trend Analysis
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Statistic		MW-01	MW-02	MW-03	MW-04	MW-05
Tetra-chloroethene	Count (n)	9	7	9	8	9
	Count (nondetects)	0	7	9	8	9
	S Statistic	-10	NA	NA	NA	NA
	Var(S)	92	NA	NA	NA	NA
	Trend	Decreasing	NA	NA	NA	NA
	prob (%) [a]	17.40%	NA	NA	NA	NA
Trichloroethene	Count (n)	9	7	9	8	9
	Count (nondetects)	0	0	9	8	8
	S Statistic	-11	-11	NA	NA	NA
	Var(S)	91	40	NA	NA	NA
	Trend	Decreasing	Decreasing	NA	NA	NA
	prob (%) [a]	14.73%	5.62%	NA	NA	NA
cis-1,2-Dichloroethene	Count (n)	9	7	9	8	9
	Count (nondetects)	0	0	7	6	1
	S Statistic	-20	-11	NA	NA	6
	Var(S)	92	44	NA	NA	92
	Trend	Decreasing	Decreasing	NA	NA	Increasing
	prob (%) [a]	2.38%	6.66%	NA	NA	30.11%
Vinyl Chloride	Count (n)	9	7	9	8	9
	Count (nondetects)	0	0	9	8	2
	S Statistic	-7	-16	NA	NA	7
	Var(S)	91	43	NA	NA	91
	Trend	Decreasing	Decreasing	NA	NA	Increasing
	prob (%) [a]	26.47%	1.13%	NA	NA	26.47%
NWTPH-Dx-Diesel	Count (n)	11	10	9	11	11
	Count (nondetects)	5	4	0	2	2
	S Statistic	-5	3	-13	18	30
	Var(S)	148	116	91	164	164
	Trend	Decreasing	Increasing	Decreasing	Increasing	Increasing
	prob (%) [a]	37.13%	42.64%	10.42%	9.22%	1.18%
NWTPH-Dx-Motor Oil	Count (n)	11	10	9	11	11
	Count (nondetects)	11	8	1	7	11
	S Statistic	NA	NA	-4	NA	NA
	Var(S)	NA	NA	92	NA	NA
	Trend	NA	NA	Decreasing	NA	NA
	prob (%) [a]	NA	NA	37.72%	NA	NA

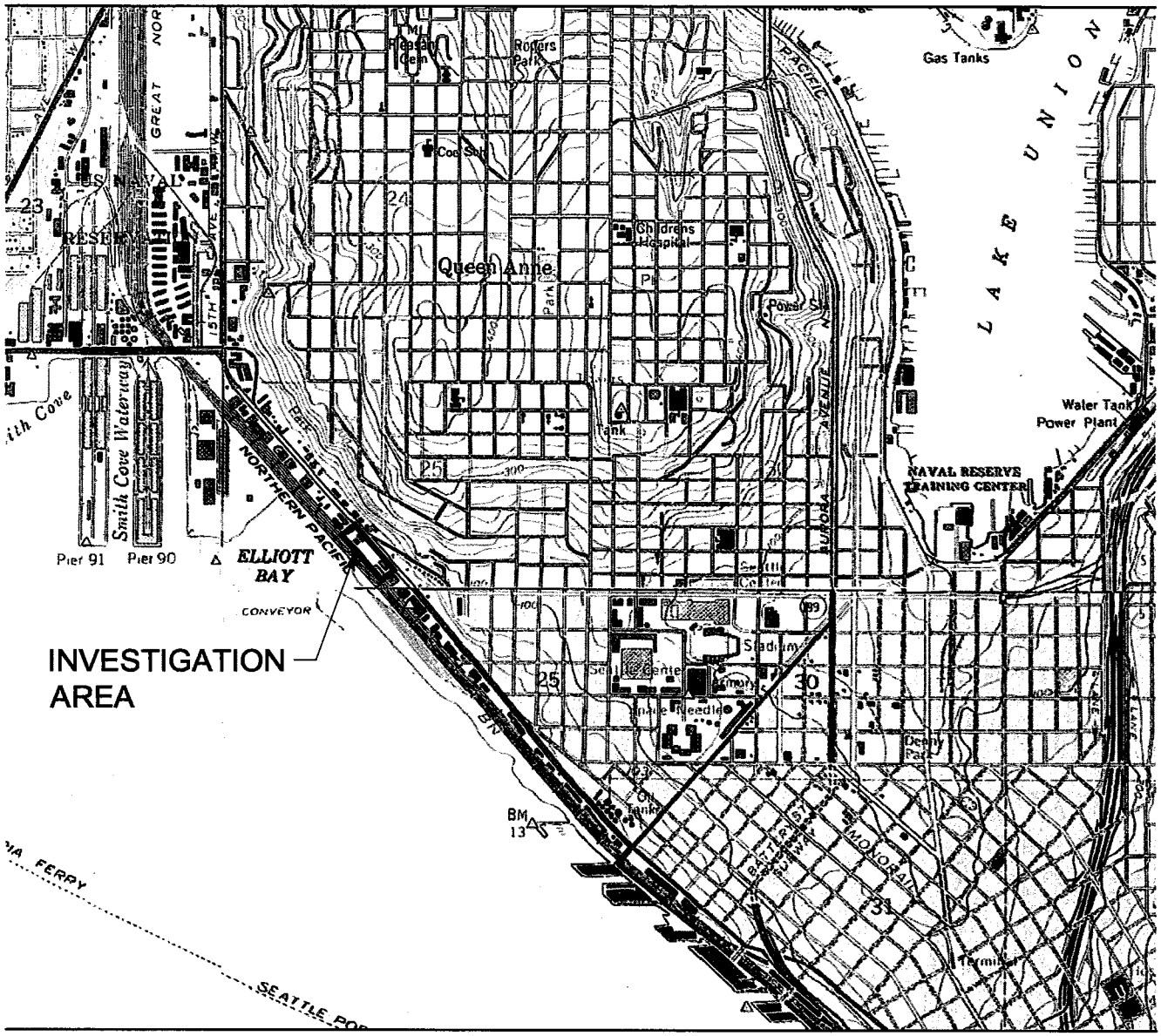
Table 5
Mann-Kendall Trend Analysis
Ryan, Swanson & Cleveland, PLLC/LeatherCare, Inc.
Seattle, Washington

Statistic		MW-06	MW-07	MW-08	MW-12
Tetra-chloroethene	Count (n)	10	9	8	8
	Count (nondetects)	1	9	8	7
	S Statistic	-17	NA	NA	NA
	Var(S)	125	NA	NA	NA
	Trend	Decreasing	NA	NA	NA
	prob (%) [a]	7.62%	NA	NA	NA
Trichloroethene	Count (n)	10	9	8	8
	Count (nondetects)	1	9	8	8
	S Statistic	-17	NA	NA	NA
	Var(S)	120	NA	NA	NA
	Trend	Decreasing	NA	NA	NA
	prob (%) [a]	7.23%	NA	NA	NA
cis-1,2-Dichloroethene	Count (n)	10	9	8	8
	Count (nondetects)	1	2	0	5
	S Statistic	-1	9	-12	NA
	Var(S)	125	91	57	NA
	Trend	Decreasing	Increasing	Decreasing	NA
	prob (%) [a]	50.00%	20.08%	7.20%	NA
Vinyl Chloride	Count (n)	10	9	8	8
	Count (nondetects)	0	1	0	8
	S Statistic	-11	-9	-17	NA
	Var(S)	125	91	64	NA
	Trend	Decreasing	Decreasing	Decreasing	NA
	prob (%) [a]	18.55%	20.08%	2.30%	NA
NWTPH-Dx-Diesel	Count (n)	11	11	11	11
	Count (nondetects)	2	0	1	5
	S Statistic	20	-26	-2	-23
	Var(S)	164	164	164	148
	Trend	Increasing	Decreasing	Decreasing	Decreasing
	prob (%) [a]	6.90%	2.55%	46.89%	3.54%
NWTPH-Dx-Motor Oil	Count (n)	11	11	11	11
	Count (nondetects)	10	3	10	11
	S Statistic	NA	-20	NA	NA
	Var(S)	NA	161	NA	NA
	Trend	NA	Decreasing	NA	NA
	prob (%) [a]	NA	6.73%	NA	NA

Notes:
a) Probability of no real increasing or decreasing trend given S, Var(S), and n.
NA - not applicable (insufficient number of detections to calculate statistics).

Figures

Figures



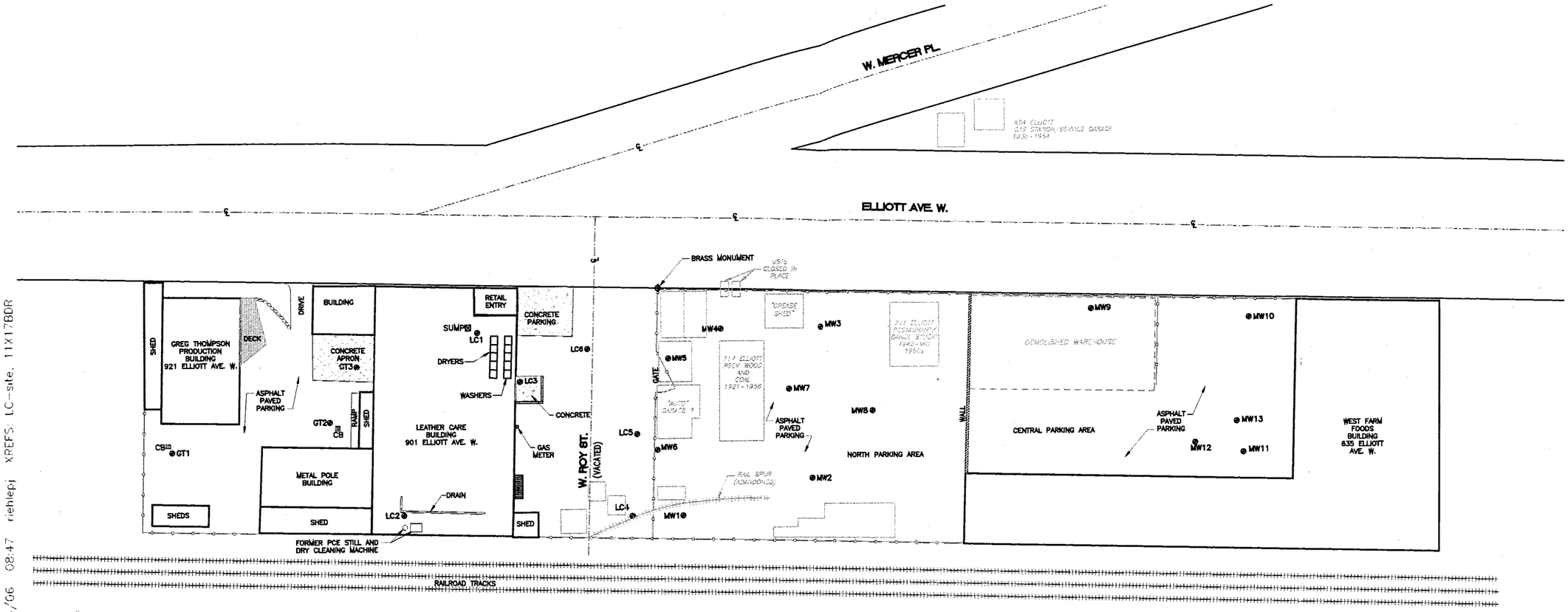
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Source: USGS SEATTLE NORTH, 7.5 MIN. QUADRARANGLE, 1973

RYAN SWANSON & CLEVELAND PLLC
LEATHERCARE
SEATTLE, WASHINGTON

Figure No. 1
Vicinity Map

CDM



REFERENCES:

- SURVEY OF MONITORING WELL LOCATIONS BY APEX ENGINEERING ON MAY 10, 2006 USING AN ASSUMED VERTICAL DATUM AND BASIS OF BEARING.
- FIELD MEASUREMENTS OF LEATHERCARE AND GREG THOMPSON PRODUCTION BUILDINGS BY CDM ON MAY 10, 2006.
- ENTRIX, WEST FARM FOODS FIELD INVESTIGATION DATA SUMMARY REPORT, MAY 10, 2001, FIGURE 2.
- ENTRIX ENVIRONMENTAL DATA SUMMARY FROM PREVIOUS STUDIES AND REPORTS, WEST FARM FOODS SITE, MAY 10, 2001. FIGURE-3.
- HISTORICAL AERIAL PHOTOGRAPHS DATED 1936 AND 1946.
- SANBORN MAP DATED 1950.
- POLK DIRECTORIES DATED 1938-1996

SITE PLAN

N

1" = 80'

40 0 80

LEGEND:

- MW1 ● MONITORING WELL LOCATION AND DESIGNATION
- FENCE
- RAILROAD TRACKS
- CB CATCH BASIN
- INDICATES HISTORICAL FEATURES — HISTORICAL FEATURES
- SURVEY MONUMENT

VERTICAL DATUM:

STAMPED ON BRASS MONUMENT NOT TIED TO CITY OF SEATTLE (NOT PUBLISHED)

BASIS OF BEARING:

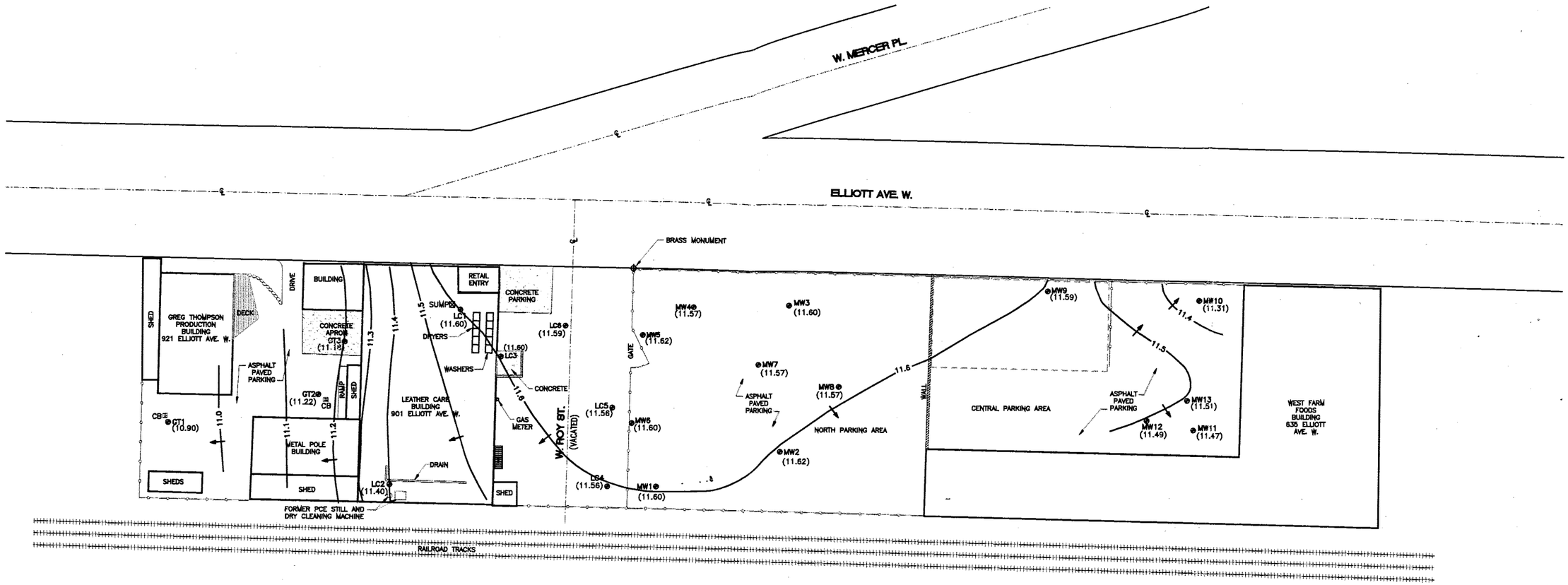
BASIS OF BEARING ASSUMED DUE WEST

RYAN SWANSON & CLEVELAND PLLC
LEATHERCARE
SEATTLE, WASHINGTOM

Figure No. 2
CURRENT AND HISTORICAL SITE FEATURES

CDM

P:\38657\47522\Ryan-Swanson\REPT\ Fig-2-site 07/24/06 08:47 riehlepj XREFS: LC-site, 11X17BDR



REFERENCES:

- SURVEY OF MONITORING WELL LOCATIONS BY APEX ENGINEERING ON MAY 10, 2006 USING AN ASSUMED VERTICAL DATUM AND BASIS OF BEARING.
- FIELD MEASUREMENTS OF LEATHERCARE AND GREG THOMPSON PRODUCTION BUILDINGS BY CDM ON MAY 10, 2006.
- ENTRIX, WEST FARM FOODS FIELD INVESTIGATION DATA SUMMARY REPORT, MAY 10, 2001. FIGURE 2.

SITE PLAN

N

1" = 80'

40 0 80

LEGEND:

- MW1 (11.60) — MONITORING WELL LOCATION AND DESIGNATION AND ELEVATION IN FEET
- 11.6 — POTENTIOMETRIC CONTOUR, CONTOUR INTERVAL IS 0.1 FT. (AVERAGE)
- DIRECTION OF GROUNDWATER FLOW
- FENCE
- RAILROAD TRACKS
- CB — CATCH BASIN

VERTICAL DATUM:

STAMPED ON BRASS MONUMENT NOT TIED TO CITY OF SEATTLE (NOT PUBLISHED)

BASIS OF BEARING:

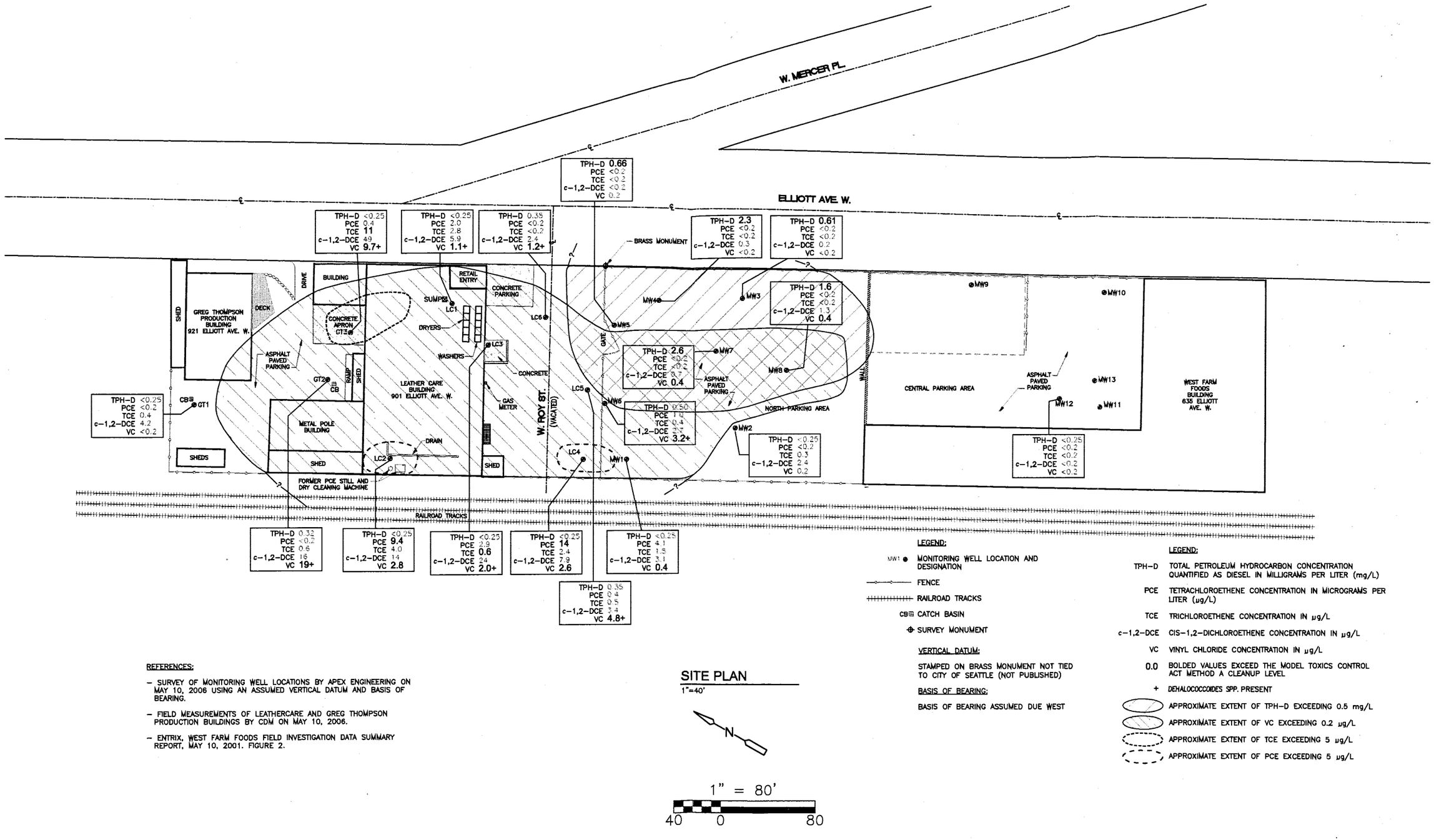
BASIS OF BEARING ASSUMED DUE WEST

RYAN SWANSON & CLEVELAND PLLC
LEATHERCARE
SEATTLE, WASHINGTOM

Figure No. 3
POTENTIOMETRIC SURFACE MAP
MAY 10, 2006

CDM

P:\3857\47522\Ryan-Swanson\REPT\ Fig-3 07/24/06 08:57 richiepj XREFS: LC-site. 11X17BDR



REFERENCES:

- SURVEY OF MONITORING WELL LOCATIONS BY APEX ENGINEERING ON MAY 10, 2006 USING AN ASSUMED VERTICAL DATUM AND BASIS OF BEARING.
- FIELD MEASUREMENTS OF LEATHERCARE AND GREG THOMPSON PRODUCTION BUILDINGS BY CDM ON MAY 10, 2006.
- ENTRIX, WEST FARM FOODS FIELD INVESTIGATION DATA SUMMARY REPORT, MAY 10, 2001. FIGURE 2.

SITE PLAN
1"=40'

N

1" = 80'
40 0 80

LEGEND:

- MW1 ● MONITORING WELL LOCATION AND DESIGNATION
- FENCE
- RAILROAD TRACKS
- CB CATCH BASIN
- SURVEY MONUMENT

VERTICAL DATUM:

STAMPED ON BRASS MONUMENT NOT TIED TO CITY OF SEATTLE (NOT PUBLISHED)

BASIS OF BEARING:

BASIS OF BEARING ASSUMED DUE WEST

LEGEND:

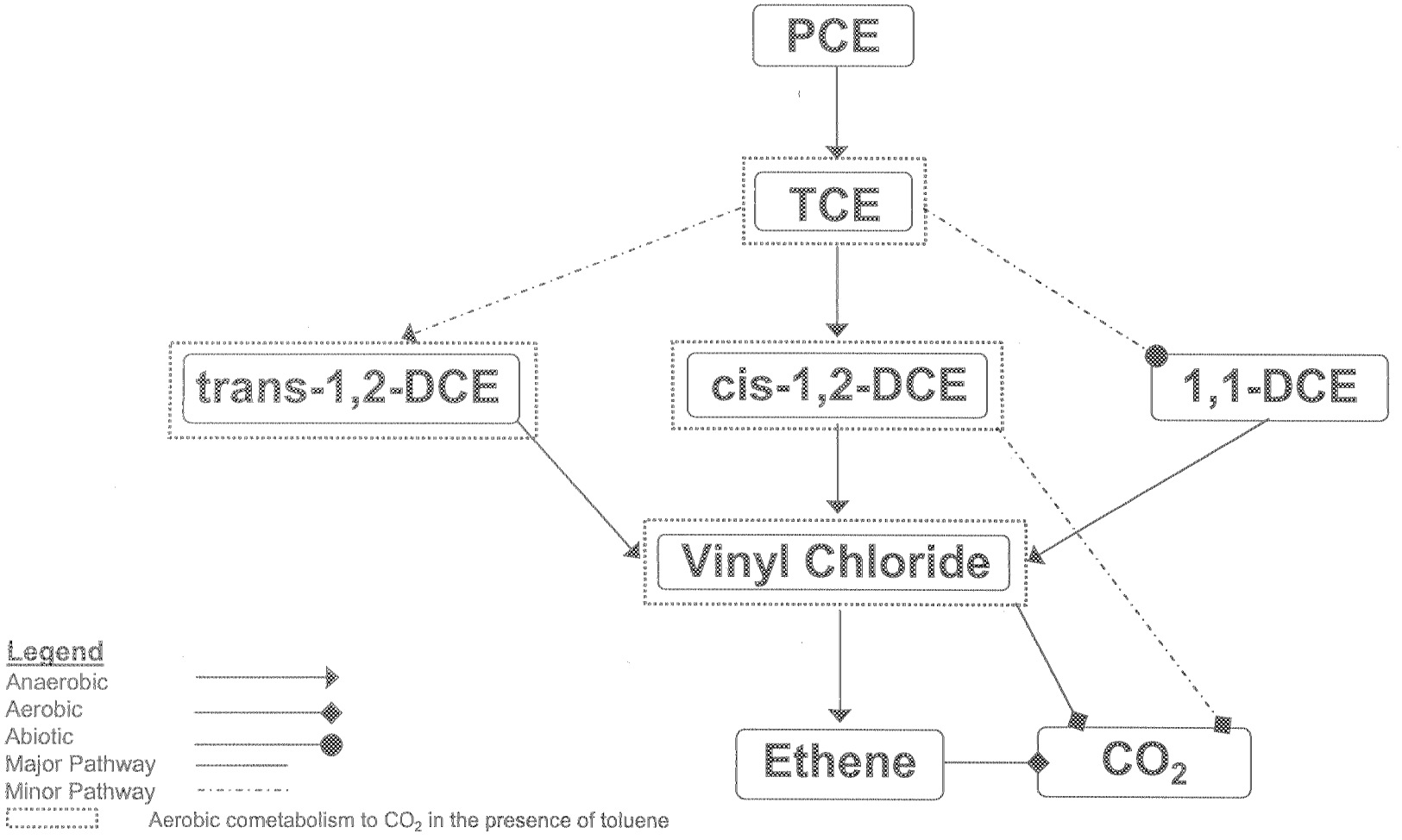
- TPH-D TOTAL PETROLEUM HYDROCARBON CONCENTRATION QUANTIFIED AS DIESEL IN MILLIGRAMS PER LITER (mg/L)
- PCE TETRACHLOROETHENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- TCE TRICHLOROETHENE CONCENTRATION IN µg/L
- c-1,2-DCE CIS-1,2-DICHLOROETHENE CONCENTRATION IN µg/L
- VC VINYL CHLORIDE CONCENTRATION IN µg/L
- 0.0 BOLDED VALUES EXCEED THE MODEL TOXICS CONTROL ACT METHOD A CLEANUP LEVEL
- \+ DEHALOCOCCOIDES SPP. PRESENT
- APPROXIMATE EXTENT OF TPH-D EXCEEDING 0.5 mg/L
- APPROXIMATE EXTENT OF VC EXCEEDING 0.2 µg/L
- APPROXIMATE EXTENT OF TCE EXCEEDING 5 µg/L
- APPROXIMATE EXTENT OF PCE EXCEEDING 5 µg/L

RYAN SWANSON & CLEVELAND PLLC
LEATHERCARE
SEATTLE, WASHINGTON

Figure No. 4
DIESEL AND CHLORINATED COMPOUNDS IN GROUNDWATER

CDM

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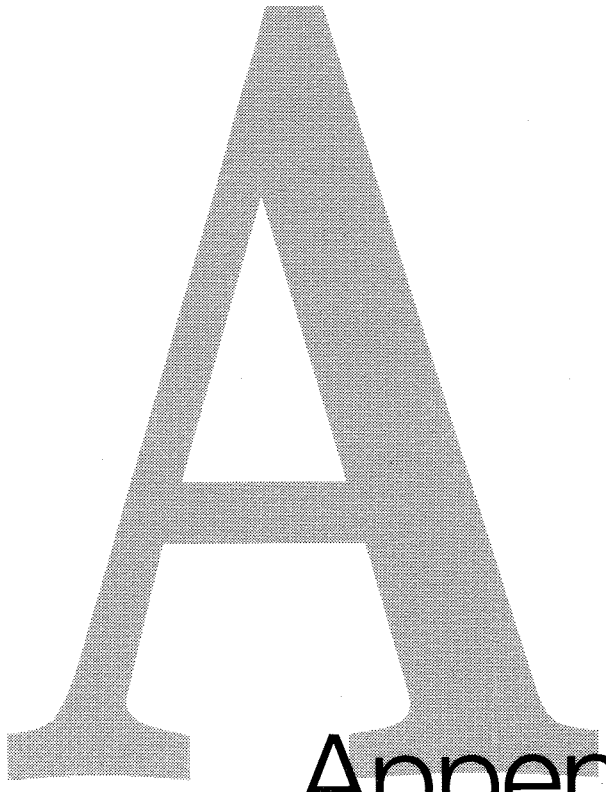


RYAN, SWANSON & CLEVELAND, PLLC/LEATHERCARE, INC.
SEATTLE, WASHINGTON

Figure 5
Common Degradation Pathways of PCE

CDM

Q:\38057-Ryan Swanson\47522-LeatherCare\Figure 5 Biodegradation



Appendix A

Appendix A
Historical Data Sources

POLK DIRECTORIES

John A. Whalley & Co.

General Insurance

206-210 COLMAN BLDG.

Since 1891

City and Country Property

ESTABLISHED 1891 SPARKMAN & McLEAN Co. 1108 THIRD AVE.

Realtors

Business Property
Homes
Appraisals
Insurance

MAin 0277

1108 3d Ave.

F 899 S45 S42 1938

Pay Your Bills—Keep Your Credit Good

THE SEATTLE ASSOCIATION OF CREDIT MEN

A Membership-Owned Credit Organization Serving the Business Interests of the Pacific Northwest

7TH FLOOR ALASKA BLDG. TELEPHONE SE neca 2400

ELLIOTT AV W—Contd

545 △Blackstock Lumber Co
W Mercer ends 6th av W intersects
600 △Taylor Allan M gas sta
601 △King County Humane Society
611 △Matheny & Bacon Inc contrs and bldg wreckers
635 △Consolidated Dairy Products Co
△Seattle Milk Producers Assn
648 Pruitt Jas H
664 Richardson O R gas sta
664½ △Kerl L A
W Mercer pl and W Roy intersect
717 △Peck Wood & Coal Co Inc fuel and gas sta
W Roy intersects
900 Vacant
901 △American Conserving Co food products mfrs
901½ △Schwartz J David
906 △Hetherington Wm B sausage casings
907 △American Wineries Co Inc mfrs
908 △Crouch Chas R lighting equip mfr
912 △Chief Seattle Awning Co
921 △Elliott Avenue Building Co Inc contrs
925 △Johnson O B furn repr
926 △Honore Carl E Sheet Metal Works
946 △Acme Plumbing & Heating Co
965 △Consolidated Fuel Co
1022 △Hill Ida Mrs steam baths
1024 Blomquist Carl G
1030 △Foods Products Co egg meats whol
Musser Wm C
1038 △Wilson Machine Works
1039 △Western Foundry Sand Co sand and gravel
1042 McClure Stella Mrs
Weston Ida M Mrs
1045 △McKale's Inc gas sta
W Prospect intersects
1124 △Ace Tank & Welding Co
1140 △N & S Foundry Co
1144 △N & S Engine Co
1152 △Sharp Brass Foundry
1400 △Star Fuel Co
1405 △Williams & Co potato chip mfrs
1426 △Economy House Wreckers
1437 △Dowell L J Inc grading contrs
1441 △Hartung & Hansen Inc bldg materials
1451 △Pennzoil Co The
1454 △Richfield Oil Corp whse
1460 Vacant
1461-69 △American Cracker Co
1462 Haworth Chas C
1464 Vacant
1476 △Duck Inn The restr and beer parlor
W Galer intersects 15th av W begins
1500 △Van deKamp's Holland Dutch Bakeries
1501 △Johnson Carl gas sta

ELLIS AV—Fr 1200 Bailey sw

6201 △Miller Bros gas sta
6202 Salvation Army Social Service
6204 Masonic Temple Home Lodge No 100
Georgetown South Seattle Improvement Club
6219 Lewis Albert J
6220 △Capp Carl ⊙
6221 Haarmann Henry J ⊙
6225 Oliver Virgil ⊙
6253 Price Wilson T
6258 △Menard Fredk A ⊙
6263 Malinak Steph F ⊙
6264 Chiftis Geo ⊙
6267 Lentz Lee L ⊙
6271 Hill John
6272 △Harrison Gerald V
6273 Mules Jas H ⊙
6276 Santini Emil
6279 McElroy Edgar F
6281 Peterson Mabel D Mrs
6286 Rollin Frank
6287 △Halstead Geo W ⊙
Angelo intersects
6306 Tolay Marianina Mrs
6310 Reda Luigi ⊙
6311 Hoffman John
Eddy intersects
6409 Schissler Nettie Mrs
6415 Macy Mabel A
Elizabeth begins
6501 Wright Clifford F ⊙
6507 △Richter Ernest H ⊙
6511 Rudman Augusta Mrs
6517 △Lewis Robt H
6523 Perovich Chris ⊙ gas sta
6525 △Perovich Chris ⊙ gro
Warsaw intersects
6600 △Malmo & Co nursery
Foster Landscape Engineering Co
6603 Perovich Chris ⊙
6633 McKilrath Saml ⊙
6637 Johnson Axel E ⊙
6643 △Ellis Harry E ⊙
6649 △Ward Harmon A ⊙
6653 Vacant
6661 △Bianchi Carl J ⊙
6665 Schmidt Herman J ⊙
6701 △Carney Wallace R ⊙
6705 △Graham Maud Mrs ⊙
6719 Drago Adolph ⊙
6721 Schultz Albert ⊙
6731 △Reynolds Menzo F ⊙
6733 △Gordon Jas ⊙
6737 Knowles Ellis P
Willow intersects
6901 △Vermeire Rene ⊙
6909 Dennis Walter T ⊙
6915 Condon Ira ⊙
6921 △Peggin John B ⊙
6929 White Maggie Mrs ⊙
6933 Sechser Wm O ⊙
6937 △Knoll Carl ⊙
6945 △VanWoerden Dirk ⊙
E Marginal way and Myrtle intersect

ELM PLACE—Fr California pl s

1107 △Farber Fannie Mrs ⊙
1109 Berkland John ⊙
1119 LeClaire Wilfred ⊙
Maryland intersects

ELMGROVE—Fr 8100 2d av S e
5th av S intersects
524 Barnett Margt Mrs
7th av S intersects
720 Spicer Geo W ⊙
726 Warner Wm M ⊙
727 Keck Dwight M
737 Palmer Lillian E Mrs ⊙
740 Hawton Stanley S
741 Palmer Lynn V
746 Boyer Ernest C ⊙
749 Haglof Oscar E
8th av S intersects
839 △Araki Nisaku
10th av S intersects
1016 Burns John J ⊙
1022 △Genovese Dominic ⊙
1025 Clough Sarah S Mrs
1029 Sweet Philip
1033 Gilmer Perl A
1037 Lowther Harry
1040 Baer Walter A
1046 Peltier Henry
1047 Vacant
1054 Giles Ernest
1055 Betts Robt K
1403 △Kanetomi Tsuphiichi ⊙
1405 Connell Wm L ⊙
Curtis Albert
Ohrner Edw G
Smith Chas W
Duwamish Waterway intersects Unopened to 50th av S
5004 Hall Oscar A ⊙
5007 △Hackett Dora W Mrs ⊙
Rainier av intersects

ELMGROVE, W—Fr 8100 4th av SW w

1003 Marvich Peter M ⊙
5th, 6th, 7th, 8th, 9th and 10th avs SW intersect
1009 Chetvergoff Serge N ⊙
1015 △Bates Alfd ⊙
1025 Hieronymus Reuben C ⊙
11th av SW intersects
1117 △Suver F M ⊙ bldg contr
12th av SW intersects
1218 △Lloyd Gerald N ⊙
13th, 18th, 25th, 35th, 37th and 39th avs SW intersect
3900 △Duggan Lillian E Mrs ⊙
3916 △Heyer Fredk C ⊙
3928 △Boldt Jacob ⊙
3929 △Munderloh Gustave ⊙
3932 △Weir Wm D ⊙
3939 △James Geo A ⊙
3942 △Boldt Henry ⊙
3945 Finch Roy K
3951 Warren John L ⊙
3957 △LeVitre Aloysius ⊙
41st av SW intersects
4110 △Elder Walter ⊙
4115 △Richardson Harold L ⊙
4118 △Wabraushek Nina E
4123 Webb Chas N ⊙
California av intersects

ELMORE—Fr 4200 21st av W w
22d av W, 23d av W, Gilman pl, G N Ry tracks and Gilman av intersect
2515 Johns John F ⊙
Burton pl, 26th av W, 27th av W, Williams av, 28th av W, 29th av W, 30th av W, 31st av W and 32d av W intersect
3205 Langstaff Otto ⊙
3223 △Reed Ormond E ⊙
33d av W intersects
3317 △Lofgren Pierre J ⊙
ne cor Pleasant Valley Presbyterian Church
34th av W intersects
3411 Eischen N J
36th av W intersects

ELMWOOD PLACE—Fr 1100 27th av S e

2708 △Dahlgren Robt E ⊙
Cavanaugh Glen
2711 Morrell Bradley C
Gordon Clinton C
2725 Mirante Tony
2734 Mastrogiacoma Mike
Bradner pl intersects

EMERSON—Fr 350 W Bertona w

362 Setterlind Leona E Mrs
5th av W intersects
500 △Purcell Jas C ⊙
502 Clements Geo F ⊙
508 △Beck Emil
512 Shand Wm R ⊙
520 △Bumstead Roy O ⊙
524 Jensen Morten R pntr
6th av W intersects
605 Harkness Jas N
608 Hodges Herbert ⊙
611 Reynolds Jas M
621 △Sterner John E
624 △Walker Wm E ⊙
625 Norton Frank M
632 △Smith Wellington O ⊙
637 △Looney Arth N
638 △Todd Darcy A ⊙
639 △Wilson Warner ⊙ bldg contr
650 △Morehouse Milton C
654 Hansen Harold W ⊙
657 Ward Etta F ⊙
658 Vacant
667 Hopper Emma B Mrs ⊙
673 △Thompson Wm H ⊙
8th av W intersects
814 △Berlin Paul J ⊙
828 Knox Evangeline E Mrs ⊙
9th av W intersects
900 Coleman Chas ⊙
904 McVay Wm G ⊙
909 Taylor Robt D
914 Vacant
916 Eldridge Alice M Mrs ⊙
Nonis Fred
917 Nyberg Annie Mrs ⊙
937 Elliott Clinton C ⊙
945 △Nelson Adolph N ⊙
950 Pulver Peter J ⊙
953 △Stanaland Reuben C ⊙
piano tuner

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Holt Jos M
Jannings Richd F
Kirklin W H
ΔLucas Frank
Lundgren A F
Lynch Wm B
McKnight Wm A
McRoberts Pitt E
ΔPowell John T
ΔQuackenbush Donald S
ΔSlagle Denise M
Sliger Una M Mrs
Thorell Edw
Valentine Victor C
ΔVanDonge Chas
Weaver Loren A

421 **Westroy Apartments**
ΔRutherford John B mgr
ΔAnderson Cora M
Archer J F
ΔBentley O W
ΔBerney Joe A
ΔBonaci Alex J
ΔBrown Lloyd O
ΔBurke Henry H
ΔCadman Horace B
ΔClark R A
ΔCutting Otis
Eeckhout Mary
ΔEshom Clifford W
Foley W F
ΔFlomerfelt Wayne W
ΔFloye Ross E
Foley W S
ΔGlass Margt
ΔGreen L Leo
ΔHoyt Edith J Mrs
Hume Robt R
ΔMalnate Wm F
Marshall Ann S
ΔMilheiser Arth J
Minter Donald A
ΔMonk Ermul L Mrs
ΔMorse Steph H
Osberg Ora
ΔPhalon Nell L
ΔSeaborg Harold J
Seagram Distillers Corp
Sentz Henry N
ΔThomas Robt H
ΔWeicher Anthony L

5th av W intersects

501ΔBrewer Glenn E
502ΔShaffrath Paul
518ΔBoardman Alfd E ◎

519 **Sea View Apartments**
Brannon Emma H Mrs mgr
ΔAgner John H
Allen Zella E
ΔAnderson Otto L
ΔAppleton Chas A
ΔAsen Walter C
ΔAtz Wm E
Bradley Ken
ΔBrannon Edwin G
ΔBurns Robt
ΔCarlson Raymond A
ΔChesterfield Elmer C
ΔCondon Caroline H
ΔCorliss Clinton C
Dickinson Julia M
Dorst Minnie F
Fisher Gertrude
Foreman Ethel C
Glass Melvin L
ΔGodwin John W
ΔGran Sadie M Mrs
ΔHartung Fred L
ΔHewitt Arth J
ΔHickman Minnie G Mrs
ΔHobbs Frank
Hoffman Bennett
Hughes Lee M
ΔHutcheson Hugh H
ΔJohnson Andy R
Kiesel Hans
King Marie H Mrs
ΔKister Anthony J
ΔLarrigan John E
ΔLucas Frank
ΔMayne Florence
ΔMcEwen John D
ΔMcLaughlin Arth
Melton S E
Miller Burdette L
ΔMiner Geo F
Newton Margt L
Niesz Raynor A
Pantages Aug A
Pearson Walter
Quackenbush Ted
ΔRiley Nell
ΔSimpson Jesse M
ΔSmedberg Florence
Storey Herman
ΔTucker Geo D
Warner Harry E
Warner Wm
ΔWatts Lewis T
ΔWetzel Eliz H Mrs
ΔWhite Hoyt
522ΔLong Howard ◎
601ΔJordan Harold D ◎

Elliott av intersects

812ΔService Distributors beer and wine whol

ROYAL COURT — Fr 2500 blk Roanoke n and s

2523ΔSchneider Saml B ◎
2524ΔAdams Florence M ◎
2527ΔCasebolt Walter C ◎
2528ΔFritsch Chas E
2531ΔTat Max S
2532ΔImpson Chauncey W
2535ΔPort Horace W ◎
2536ΔGreenberg Louis ◎

Roanoke intersects

2607ΔWeston Thos A ◎
2611 Strecker Owen

RUBY PLACE, W—Fr 2950 8th av W w

RUFFNER—Fr 3600 9th av W w

1209ΔHupy Herbert A ◎

13th and 14th avs W intersect

1415 Maddox Gertrude Mrs

15th av W intersects
Unopened to 22d av W

2217 Young Theo R
2316 Knight Arth ◎
4218ΔMaxwell Geo C ◎

43d av W intersects

4515 Burroughs Benj M

Perkins la intersects

4701ΔPaul Kathleen A Mrs ◎
4706ΔGranneberg Eric ◎
4721ΔGwinn Ernest S ◎

Ruffner ends

RUGGLES—Fr 10200 blk 51st av S e

5113 Engebretson Peter ◎
5113B Hansen Oscar F ◎
5124ΔDiot Helen N Mrs ◎
5129 Marcy Roy O ◎
5134 Richards Howard ◎
5171ΔWilliamson Edw K

RUSSELL AV—Fr 5000 blk 17th av NW nw

5117ΔHansen Olaf H ◎
5121 Larsen Leonard J
McLaughlin Isobel C Mrs
5124 Genter Geo
5127 LaVerne Wm J ◎

lone pl intersects

5203 Benson Birger ◎
5206 McVay Alice W Mrs ◎
5207 McKechnie Jas E ◎
5209 Harris Harold
5210 Parsons Orville E ◎
5213 Gillman Earl R
5216 Tomlinson Josephine Mrs
5217 Watney Severin Z ◎
5222 Johnson Luther H ◎

Central pl ends

5229 Cooper Chas H
5233 Hegdahl Tallie
5306ΔMcDermott Ann
5307 Erickson Fritz
5310 Vacant
5311ΔLee A C Mrs furn rms
5314 Hedell Emil ◎
5316 Smith Arol F
5318 Branstrom Eric
5321 Rismoen Birger L ◎
Miller May Mrs
Fields Claude E
5322ΔGray Saml M ◎
5323 Vacant
5332 Wallace Matthew L
Cowardin Chas L
5342 Shelley John C
5344ΔBanner Dye Works clo prsrs

20th av NW intersects

5405 Wilson Motor Co auto reprs
5409ΔReliable Sheet Metal Works
5410 Vacant
5411 Schrader Herman F
sw cor Seattle Fire Dept Sta No 18

Market intersects

RUSTIC ROAD — Fr 7200 blk Ryan s

RUTAN PLACE—Fr 4400 blk W Edmonds s

4802ΔNichols A Hayden
4806ΔRazzore Geo S ◎
4811ΔWadlington J Bartley ◎
4812 Thompson Anna Mrs ◎
4818ΔDamon Bernard A

RYAN—Fr 10200 blk 55th av S e

5504ΔSchmidt Henry A ◎
5521 Burleson Harry A ◎

56th av S intersects

5607 VanEtten Mabel E Mrs
5623ΔAnderson Albert J ◎

57th av S intersects

5702 Day Donald L ◎
5703ΔKohl Bernadette A Mrs ◎
5708ΔFrank Jos M ◎
5717 Harvey Clarence
5718 Sommers Jos R ◎
5721 Dyches Irene
5727 Markle Isaac E ◎
5728ΔWestrup Harry A ◎
5732ΔHill John H ◎
5746ΔMichels Edgar A ◎
5758ΔBrown Elmer K

59th av S intersects

6003 Mahoney Wallace C

61st av S intersects

6117ΔBent Wm F ◎

62d av S intersects

6207 Allinson Fred G
6211 Murray Jas W ◎
6215 Heston Donald W ◎

63d av S intersects

6307ΔCook Morris C ◎

64th av S intersects

6405 Sandahl Harold G ◎
6410 Curtis Gladys M

65th av S intersects

6515ΔClarke Colburn C ◎
6518ΔDavis Wm E ◎
Davis & Bodine hauling contrs

66th av S intersects

6613 Vacant
6619ΔBaker Maurice A ◎
6862ΔLipstrap Jas B ◎
7210 Byrd Andrew H
7216ΔDick John T ◎

75th av S intersects

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ELLIOTT AV W—Contd
475△Muskatell Morris & Sons salmon reconditioners
481△Seattle House Wreckers
487△Superior Fish Co whol
489 Bassett Harry H
W Republican ends
5th av W intersects
507 Atlia Tony
509 Carlson John
511 Lord Mount C
Johnson Mary M Mrs
525△Anderson Iron Works
Anderson Chas A ⊙
535△Lumber Supply & Warehouse Co bldg matls
544△Triple XXX Restaurant
545△Blackstock Lumber Co bldg matls and bldr
W Mercer ends
6th av W intersects
600△Taylor Allan M gas sta
601△King County Humane Society
611△Bacon Henry Inc bldg matls
635△Consolidated Dairy Products Co canned milk mfrs
△Seattle Milk Producers Assn
648-664 Vacant
W Mercer pl and W Roy intersect
711△Pendulum The restr
717△Peck Wood & Coal Co Inc fuel and gas sta
W Roy intersects
900 Little Bit of Norway restr
901△American Conserving Co food products mfrs
Schwartz J David ⊙
Mueller Robt
901½ Vacant
902 Keyes Market gro
904-06△Hetherington Wm B sausage casings
905-07 Vacant
908-10△Rogers Candy Co mfrs
911 Star Electric Co contrs
Schwartz Stanford R ⊙
920△Crouch Chas R lighting equip mfrs
921△Elliott Avenue Building Co portable bldg mfrs
925 Johnson Furniture Refinishing Co
Hamren Wm C wood fnshr
926△Honore Sheet Metal Works
946 Vacant
963 ShoreLunch Room
Burns R Mrs ⊙
965△Consolidated Fuel & Heating Co
1022△Hill Ida Mrs steam baths
1024 Vacant
1030△Magnolia News newspaper
1038△Wilson Machine Works
1039△Western Foundry Sand Co sand and gravel
1045△McKale's Inc gas sta
W Prospect intersects
1104△Schoonover & Peterson gas sta
1110△Home Oil Co The
1121△Walsh Construction Ltd fire sprinkler systems
1124△Ace Tank & Welding Co
1140△N & S Foundry Co
1144△N & S Engine Co machs
1162△Sharp Brass Foundry
1170 Maxwell Petroleum Co gas sta
1174 Gimmestad Sam ⊙
1400△Star Fuel & Lumber Co
1405△Williams & Co potato chip mfrs
1408△Clark Saml W vet surg
1428△Marine Moore Co engs
1430△Dermetics Inc toilet preparations
1436△Western Pacific Chemical Laboratories Inc
1437△Dowell L J Inc grading contrs
1441△Hartung & Hansen Inc bldg materials
1450 Foulds Tom restr
1451△Pennzoil Co The whol oils and lubricants
1454△Richfield Oil Corp whse
1461-71△American Cracker Co whol bakers
1462△Haworth C C gro
1464-72 Vacant
1476△Duck Inn Cafe & Tavern
Knauss Thos W ⊙
W Galer intersects
15th av W begins
1500 Vacant
1501△Mlngeaud Archie gas sta

ELLIS AV—Fr 1200 Bailey sw
6201△Miller's Service gas sta
6202 Vacant
6204 Masonic Temple Home Lodge No 100
Georgetown Rod & Gun Club
6219 Casey Cornelius W ⊙
6220△Capp Carl ⊙
6221 Haarmann Henry J ⊙
6225△Laing Maurice R
6253 Haarmann Emelia C W Mrs
6258△Schubert Marquette C ⊙
6263 Malinak Steph F ⊙
6264 Chiftis Geo ⊙
Lozzi Dino
6267 Lentz Lee L ⊙
6271△Popworth Glen N ⊙
6272△Harrison Gerald V
6273△Cleveland Howard E
6276 Gehring Emma Mrs ⊙
Vernarelli Romeo
6279△Lentz Richd L
6281△Nickola Conrad I ⊙
6286 Goerger John H⊙
6287△Halstead Geo W ⊙
Angelo intersects
6306 Berry Bert J ⊙
6309△Rose Jos
6310 Reda Lena Mrs ⊙
6311△White Martin E
Eddy intersects
6409 McLeod Jack K
6415 Mitchell Eliz Mrs
Elizabeth begins
6501 Wright Clifford F ⊙
6507△Richter Ernest H ⊙
6511 Lamme Chas A
Drake Ted P
6511½ Penberthy Alice
6517 Perovich Chris ⊙
6517½ Vacant
6519 Vacant
6519½ Vacant
6525△Perovich Chris ⊙ gro
6525½ Engle Harold J
Warsaw intersects
6600△Bovier's Airport Nursery
6603△Mylroie John E ⊙
Begg Leona A Mrs
6633 Clark Paul G ⊙
6637△Johnson Axel E ⊙
6643△Ellis Harry E ⊙
6649△Ward Harmon A ⊙
6653△Atkinson John S ⊙
6657△Clark Arlo M ⊙
6661△Bianchi Carl J ⊙
6665 Schmidt Herman J ⊙
6701△Carney Wallace R ⊙
6705△Graham Maud Mrs ⊙
Graves Esther A Mrs
6719△Drago Adolphe ⊙
6721△Schultz Albert ⊙
6725△Reynolds Menzo F ⊙
6731△Stanford Ralph J ⊙
6733△Roberg Helmer P ⊙
6737 Craigo Noah ⊙
Willow intersects
6901△Vermeire Rene ⊙
6909△Anderson Frank ⊙
6915 Condon Ira E ⊙
6921△Peggia John B ⊙
6929 Holly Joe ⊙
6929½ Schmaing Ed
6933△Ganders Dean E ⊙
6937△Elliott Albert G ⊙
6945△VanWoerden D V ⊙
E Marginal way and Myrtle intersect

ELM PLACE—Fr California pl s
1107 Farber Fannie Mrs ⊙
1109 Berkland John A ⊙
1117 Vacant
1119△Chipperfield Robt E
Maryland intersects

ELMGROVE—Fr 8100 2d av S e
5th av S intersects
524 Barnett Margt Mrs ⊙
7th av S intersects
720 Spicer Geo W ⊙
726 Warner Ida A Mrs ⊙
727△Bowman Leon R ⊙
737 Vacant
740 Busche Alvin F ⊙
741 Steinebach Glen N
746 Boyer Ernest C ⊙
749△Belcher Carl A ⊙
8th av S intersects
839△Araki Toru ⊙ florist
10th av S intersects
1016 Burns John J ⊙
1022△Genovese Dominick ⊙
1025 Miller John
1029 Green Jess H
1033 Roggenkamp Otto W ⊙
1037△Redelfs Emil J ⊙
1040 Willman Henry
1046 Fleischmann Wm ⊙
1049 Culver Albert C ⊙
1053 White Leonard
1054 Giles Ernest ⊙
1055△Link Jos E ⊙
1403 Vacant
1405 White Isabel Mrs ⊙
Youngren Richd C
1406 Vacant
1407 Smith Chas W
1408 Shank Walker ⊙
Goe Eleanor E Mrs
1409 Vacant
1411 Vacant
Duwamish Waterway intersects
Unopened to 50th av S
5004 Tangen Irvin H
5007△Hackett Dora W Mrs
Rainier av intersects

ELMGROVE, W—Fr 8100 4th av SW w
5th, 6th, 7th, 8th, 9th and 10th avs SW intersect
1003 Marvich Peter M ⊙
1009 Chetvergoff Serge N ⊙
1015△Bates Alfd ⊙
1025 Hieronymus Reuben C ⊙
11th av SW intersects
1117 Vacant
12th av SW intersects
1218△Lloyd Gerald N ⊙
13th av NW intersects
1823△Heppell Randall L ⊙
18th, 25th and 35th avs SW intersect
3524 Mitchell John D ⊙
3540 Vacant
37th and 39th avs SW intersect
3900 Vacant
3916△Heyer Fredk C ⊙
3924△Hansen Theo ⊙
3928△Boldt Jacob ⊙
3929△Sever Frank J ⊙
3932△Champoux Louis A
3939△James Geo A ⊙
3942△Boldt Henry ⊙
3944△Wilson Alden R ⊙
3945 Cassidy Jerome F ⊙
3951△Warren John L ⊙
3957△LeVitre Aloysius F ⊙
41st av SW intersects
4101 Campbell Fred A ⊙
4110△Elder Walter G ⊙
4115△David Cyril G ⊙
4118△Cleveland Edwin H ⊙
4123 Webb Chas N ⊙
California av intersects

ELMORE—Fr 4200 21st av W w
22d av W, 23d av W, Gilman pl, G N Ry tracks and Gilman av intersect
2108△Lee Clyde W
2209 Vacant
2515△Johns John F ⊙
Burton pl, 26th av W, 27th av W, Williams av, 28th av W, 29th av W, 30th av W, 31st av W and 32d av W intersect
3205 Langstaff Otto D ⊙
3223△Reed Sadie Mrs ⊙
33d av W intersects
3317△Lofgren Pierre J ⊙
ne cor First Presbyterian Church
Lawton Branch
34th av W intersects
3411△Elschen Nick J ⊙
Wray Margt E Mrs
Suttell Jean Mrs
36th av W intersects

ELMWOOD PLACE—Fr 1100 27th av S e
2708△Dahlgren Robt E ⊙
Colello Jerry J
2711 Gordon Clinton C
2712△King Henry H ⊙
2713 Sharp Gusta B Mrs
Klemmer Fred
2715 Hill Nick ⊙
2716△Brabant Robt F ⊙
2719 Nelson Florence L Mrs ⊙
2725△Mlrante Tony ⊙ fuel dlr
2734 Mastro Mike ⊙
2736△Mirante Evangelista ⊙
Bradner pl intersects

EMERSON—Fr 350 W Bertona w
362△Setterlind Leona E Mrs
5th av W intersects
500△Purcell Jas C ⊙
502△Clements Geo F ⊙
508△Beck Emil ⊙ bldg contr
512△Ahern Frank J ⊙
515△Bilderback Allen H
516 Vacant
520△Bumstead Roy O ⊙
524△Jensen Morten R
525△Smith Kenneth W
6th av W intersects
605 Palmer Alfd S
608 Hodges Elbert J ⊙
611△Jovick Walter J ⊙
Johnson Harold A
621 Jack Edwin A
624△Rose Kirk M ⊙
625 Norton Frank M ⊙
632△Smith Wellington O ⊙
637△Horrell Fredk M
Leise Ruth M Mrs
638△Pattison Raymond W ⊙
639△Williams Myron R ⊙
650△Morehouse Milton C
654△Smith Wm J
657 Ward Etta F ⊙
667 Hopper Emma B Mrs ⊙
673△Thompson Wm A ⊙
8th av W intersects
814△Berlin Paul J ⊙
828 Knox Evangeline E Mrs ⊙
9th av W intersects
900△Coleman Chas ⊙
904 McVay Wm ⊙
909 Schmidt Robt E
914 Parks Orland K
Kinkilla Wm A
916 Eldridge Alice M Mrs ⊙
917 Vacant
937△Elliott Flo Mrs ⊙
Knight Merle A
945△Nelson Adolph N ⊙
Polos Thos
950 Pulver Peter J ⊙
953 Stanaland Reuben C ⊙
1010△Pettit Bessie D Mrs ⊙
11th av W intersects
1100△Lindahl Sigurd J ⊙
1106 Smith Lester G
1114 Iverson Matt ⊙
12th av W intersects
1208△Fairley Mary E Mrs
13th and 14th avs W intersect
1411 Klettner John R ⊙
15th av W and Thorndyke av intersect
Unopened to G N Ry tracks
22d av W intersects
2220 Lundeen Jack ⊙
23d av W intersects
2311△Case Vernard W ⊙
2316△Moses Harry G Jr
2319△Leo Thos ⊙
2327△Henning Earl C
24th, 25th, 26th, 27th, Williams, 28th, 29th and 30th avs W intersect
3015△Weller Arth E ⊙
3023△Swenson Melvin I ⊙
3105△Miller John M
32d av W intersects
3209△Fairbanks Chas B
33d av W intersects
—— Pittson's Hall
34th av W intersects
4321△Mahlum Edw K ⊙
4325△Warren Thos M ⊙
4511△Griggs Walter J ⊙
4700 Vacant
Roberts way intersects
4721 Vacant
——△Fort Lawton (South Gate)

EMMA PLACE—Fr 7300 8th av NE ne
7315△Boyter Mary Mrs ⊙
Limerick Ann Mrs
9th av NE intersects

EMPIRE WAY—Fr 3200 Rainier av s and se
Winthrop intersects
3103△Dimeo Jasper ⊙ gro

TO TEST readers' interest in this space...see page 54 for unprecedented advertising **GIFT OFFER**

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F 899 S43 S42 1948-49 pt 2

NATIONAL BANK OF COMMERCE
OF SEATTLE
30 OFFICES---FIVE SEATTLE LOCATIONS
Member Federal Deposit Insurance Corporation

39
ELLIOTT AV—From 87 Lenora northwest
Blanchard intersects
2210 ——
88
Bell intersects
2314 Anderson H J lodgings
2318 Amundsen N T
Rustad Jacob
2322 Martin R D
△Nelson E W
Sullivan J E
2328 Totten Harry
Vassily Peter
2332 Fuerst S C
Battery intersects
2408△Perfection Smokery Inc fish curers
2422 Evergreen Trailways Inc (shop)
Wall intersects
2500△Skyway Cafe
2512 Schwendener F L ◎
2512a McCall Cecelia Mrs
2516△Sletto Roy
2516a△Lalka J M Mrs
2516b Rhynas David
Vine intersects
2601△American Can Co
Cedar begins
2700-04 Vacant
2708△Dahl Gjermunn Co contrs
2718△Hewitt A D Co decalomania
Clay intersects
Broad intersects
2819△Nash-Kelvinator Sls Corp whol refrig
2901△Lasater Transfer Co
3001 Union Oil Co of Calif (plant)
Bay intersects
3101△Grinnell Co of the Pac automatic sprinklers
3112△Olberg Fred
3116 Vacant
3124△Pac Chemicals Co soap mfrs
3126△Western Distrs coin operated machs
3130△Fire Appliance Co fire extinguishers
3134△Sandtner A J mfrs agt
3134△Virginia Lee Candy Co
3136△Salesbook Mfg Co stationery
3138△Hamilton Mfg Co mfrs agts
3140△Heavens H A sup Co Inc dry clng sups
3143△Lasco Sup Co Indy sups
3143△White King Soap Co
3144△Northwest Coin Machine Sls Co
3150△Forsyth Arth Co htg and ventilating equip
3150△Forsyth Arthur Co htg apparatus
3155△Am Ship Sup Co ship chandlers
E Denny Way intersects
89
ELLIOTT AV, W—From W 100 Denny way, northwest
100△Moore Jack R Co coin operated machs
105△Am Lndy Machy Co
114△Puget Sound Novelty Co
116△Harlan Fairbanks Co pop corn mfrs
122△Northwest Filter Co
126 Puget Sound Novelty Co (whse)
128△Reliable Lunch
130 Scott Vernon Co (whse)
131△Lighthouse for the Blind Inc broom mfrs
2d av W intersects
W John ends
201△Wash Co-op Farmers Assn
208△Hilsenberg E B
Kremer Curt
△Skippers Sea Food Restr
220△Himmelman H W jr gas sta
3d av W intersects
W Thomas ends
318△Standard Sta Inc
333△Crawford's Sea Grill restr
350△Violet's Hamburger Shanty
351△Glaser Beverages Inc

ELLIOTT AV, W—Contd
375△Ocean House restr
4th av W intersects
W Harrison ends
400△Northwest Auto Wrecking Co
411△Bacon Henry Inc wrecking contr
430△Askew E A
430½ Askew J W
454 Donovan Michl ◎
470△Evergreen Garden Supply Co
475△Assoc Canning Co
△Assoc Land Co real est
475△Muscatel Bros real est
△Muscatel Morris & Sons canners
481△Doyle Plmbg Sup Co
487△Superior Fish Co distrs
W Republican ends
5th av W intersects
500 Vacant
525△Anderson C A
△Anderson Iron Wks
535△Lbr Sup & Whse Co whol
544△Triple XXX Barrel restr
545△Blackstock Lmbr Co
W Mercer ends
93½
6th av W intersects
600△Blood Jack gas sta
601△King County Humane Soc Inc
△Smith A A jr
611 Vacant
612△Taylor A M brake repr
614△Air-Mack Equip Co
630 Tait Stevedoring Co whse
635△Consolidated Dairy Products Co whol
△Seattle Milk Producers Assn
△United Dairymen's Assn
652△Massart L G Plmbg & Htg Co
644△T & M Motor Sls used cars
W Mercer pl intersects
W Roy intersects
711△Selandia Cafe
717△Haeussler V D
900△North Pac Elec
901△Am Conserving Co food processing
△Schwartz J D ◎
901½△Schwartz S R ◎
902△LaMode Furn & Uphol Co
904-10△Northwest Sls Co musical instruments
919△Art's Transfer
920△Crouch C R lighting equip mfrs
921 Alderbrook Development Co
△Lockhaven Development
△Market Street Development Co
△McAbee F R Inc contrs
△Sunset Hill Ter Co real est owners
925 Grisim Furn Finishing Serv
934△Instrument Labty Inc industrial instruments
946△Instrument Labty Inc (whse)
963△Shore Lunch Room
965△Consolidated Fuel & Htg Co
1022 Hill Ida Mrs ◎
1024 **Apartments**
△Nielsen Bernhard
Oyea Ray
Pakjota Vilho
△Travis W E
1030△Magnolia News newspaper
1038△Wilson Machine Wks
1039△Western Foundry Sand Co
1045△McKales Inc gas sta
W Prospect intersects
94½
1104 Hank's Texaco Serv
1110△Home Oil Co The
1121△Erickson O C & Co contrs
1124 Ace Tank & Welding Co
1140 N & S Foundry Co
1143△Connoisseur Wineries Inc mfrs
1144-54 N & S Engine Co machs
1162 Sharp Brass Fndy
1170△Bill's Serv Sta
1174 Gimmestad Soren ◎
1400△Deming Roofing & Insulation Co

ELLIOTT AV, W—Contd
1402 Vacant
1405 Williams & Co potato chip mfrs
1408△Barneich E G
1408△Elliott Avenue Vet Hosp
1412 Baker E H ◎
1418△Elliott Avenue Garage
1421 Bloss Margt
1426 Graystone Concrete Prod Co (truck repr shop)
1430 Dermetics Inc toilet preparations
1436△Western Pac Chem Laboratories Inc
1437△Materials Handling Equip Co
1441-45△Hartung F L Co whol bldg matls
1450 Cottage Lunch
△Sandahl M M
1451 Pennzoil Co whol oil
1452-54 Richfield Oil Corp (whse)
1462△Haworth C C ◎
△Your Market
1472-74 Lee Albert Furn Co
1476△Decker M E
△Duck-Inn Cafe
Duck-Inn Hotel
△Duck-Inn Tavern
W Galer intersects
15th av W begins
1500△Clark Elec Co
△Coml Specialties Co radios
1501△Smith Cove Assoc Serv Sta
12
ELLIS AV — From 1200 Bailey southwest
6200△Charmed Land Dairies Inc
6201△Edward's Serv gas sta
6204△Home Masonic Temple
△Crown Circle No 326 Neighbors of Woodcraft
Glendale Post No 3075 VFW
Glendale Unit No 3075 VFW Auxiliary
Hakeber Rebekah Lodge No 259 IOOF
Home Chapter No 193 OES
Home Lodge No 100 F & AM
Natl Institute of Music & Arts (br)
Seattle Assembly No 25 Order of Rainbow for Girls
△Sunlight Court No 14 O of A
6219△Casey C W ◎
6221△Haarmann H J ◎
6225△Lumbert M L Mrs
6253 Rocha Peter ◎
△Svien Florence Mrs
6258△Schubert M C ◎
6263 Malinak S F ◎
6254 Chiftis Geo ◎
6267△Smith D D
△Smith Heating Serv furnaces
6271△Hall F C ◎
6272△Salvesen H L
6273△Kerns W F ◎
6276△Gehring E M Mrs ◎
Vernarelli Romeo
6279 Lentz E H
6281△Mickola C I ◎
6285△Pistoresi Peter ◎
6286△Vincenzi Allchile ◎
6287△Stanley W D ◎
Angelo intersects
6306△Harrison G V ◎
6309 Fueston O E ◎
△Rose A M Mrs
6310△Reda Lena Mrs
6311△Santinoni F J ◎
Eddy intersects
6409△Hemming J A ◎
6415△Mitchell B V Mrs ◎
6417△Sarley H O
6421 Whittaker Wm ◎
Elizabeth begins
6501△Sykes H L ◎
6507△Richter E W ◎
6511b Wyatt J L
6517△Perovich C M ◎
6523△Perovich C M used furn
6525 Ellis Avenue Serv gas sta
6525½ Camp C W
Warsaw intersects
6603△Smith F H ◎
6620△Capp Carl ◎

ELLIS AV—Contd
6633△Rezek J M ◎
6637 Johnson A E ◎
6643△Ellis H E ◎
6649△Ward I G Mrs ◎
6653△Preston V G ◎
6657△Clark A M ◎
6661△Bianchi C J ◎
6665△Harrington A J ◎
6701 Ton Neille Mrs ◎
6705△Luffman C H ◎
6719△Drago Adolph ◎
6721 Coles F W ◎
6725△Martin J J ◎
6731△Vezzetti Peter ◎
6733△Roberg Helmer
6737△Kinnear G W ◎
Willow intersects
6901△Vermeire Rene ◎
6909△Anderson F W ◎
6915△Condon P I Mrs ◎
6921△Peggia J B ◎
6929△Davidson J E ◎ contr
6929½ Vacant
6933△Conway F J ◎
6937△Schimmer P J ◎
6945△Van Woerden Dirk ◎
E Marginal way intersects
Myrtle intersects
5¼
ELM PLACE—From 4013 Maryland pl
1107 Lefever L J
1109△Elde Bergloit Mrs ◎
1119△Bonner E H ◎
Maryland pl intersects
10
ELMGROVE—From 3100 2d av S, east
5th av S intersects
524△Barnett E P ◎
7th av S intersects
720△Vlahos Mike ◎
726△Kourkoumelis J D
727△Bowman L R ◎
730 Kearwill J H ◎
736 Smith E E ◎
737△Smith M V
740△Sample M B Mrs ◎
741△Patterson A M Mrs ◎
746 Boyar E C ◎
749△Belcher C A ◎
8th av S intersects
839△Araki Toru ◎ greenhouse
10th av S intersects
1016△Burns J J ◎
1022△Genovese Dominick ◎
1025△Heacock R M ◎
1029 Vacant
1033△Osborn G C ◎
1037△Poore T E ◎
1040 Booher D R
△Walters R M
1046△Mobley H R ◎
1049 Nielsen N J ◎
1054 Giles Ernest ◎
1055△Link C B Mrs ◎
1406△Palmer D B ◎
1407△Smith C W ◎
1408 Sheick Walter ◎
1408½ Smith H W
1409△Steineger C D ◎
1411△Sheiden J E
Duwamish Waterway intersects
45
Rainier av intersects
Unopened to 50th av S
5004△Tangen I H ◎
5007△Hackett R A ◎
Rainier av intersects
10¼
ELMGROVE, W—From 3100 4th av SW, west
5th av SW intersects
6th av SW intersects
7th av SW intersects
8th av SW intersects
9th av SW intersects
10th av SW intersects
1003△Marvich P M ◎
1009 Chetvergoff Anna Mrs ◎
1014 Gutierrez Adolph ◎
1015△Bates Alfd ◎
1025△Hieronymus R C ◎
11th av SW intersects
1102△Solomonson H A ◎
1107△Slater E L ◎
1110△Davis C C ◎
1117△Suver F M ◎ contr
12th av SW intersects

Davies Chevrolet INC.
★
New Cars
New Trucks
Used Cars
Used Trucks
Parts
Service
★
800 E. Pike
EA 4200

West & Wheeler
MARION BC. *REALTORS* EL. 5252
REAL ESTATE
RENTALS
LOANS
INSURANCE

F 899 S43 S42 1954

2008

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Washington Mutual Savings Bank

Resources Over $245,000,000

Fifth at Olive • California at W. Oregon • SECOND AT SPRING • East 45 at 12th Av. N. E.

MUtual 1101

BETTER HOME LOANS • LOWEST INTEREST RATES • EASY TERMS

EDMUNDS W—Contd
1208 McKinnon Earl C ⓞ
W Marginal way intersects
14th av SW intersects
15th av SW intersects
Puget blvd begins
Unopened to 21st av SW
22d av SW intersects
23d av SW intersects
Delridge way intersects
2402 Gyland Hans ⓞ
25th av SW intersects
26th av SW intersects
36th av SW intersects
37th av SW intersects
3718 Campagnaro Jos ⓞ AV 0143
38th av SW intersects
39th av SW intersects
40th av SW intersects
4017 Buck Vivian M Mrs ⓟ
AV 5550
4023 Lapin John E ⓞ AV 6884
41st av SW intersects
4103 Fisher Ruby Mrs ⓞ AV 3544
42d av SW intersects
4208 Estes Mtr Parts HO 2366
4215 Chandelier Apts The
Apartments:
101 Klumb Jas
102 Bell Marguerite H Mrs
AV 6363
103 England W C
104 Rodger Mae T AV 4332
105 Richardson Ken AV 4956
106 Johnson Ruth Mrs
107 Hatch Joan B AV 9800
108 Vacant
109 Neill Frank M mgr WE 3015
201 Young Martha C Mrs KE 0416
202 Gilmore Marie K WE 6365
203 Vacant
204 Vacant
205 Howard Margt
206 Mann Ida W WE 8940
207 Lyon Rhea D Mrs AV 2639
208 Balliauw Victor J HO 0222
209 Bennett Eulalia C Mrs
AV 8303
California av intersects
4321 Nunnery Roe ⓞ HO 2297
4327 Kappler Walter E ⓞ AV 7518
44th av SW intersects
4401 McManus Loring J ⓞ
HO 4432
4420 Sweeney Wm J ⓞ WE 7703
4421 Wabraushek Nina E Mrs ⓞ
WE 4658
Rutan pl intersects
45th av SW intersects
46th av SW intersects
4614 Boerun Albert ⓞ AV 1939
47th av SW intersects
4707 Schweitzer Galen R ⓞ
WE 3706
4708 Austin Edwin C ⓞ
4720 Stumpf Fred P ⓞ WE 4593
48th av SW intersects
4816 Johnson Mabel M Mrs ⓞ
AV 6844
49th av SW intersects
5004 Starkey Richd S ⓞ AV 6061
5016 Duncan Dalton D ⓞ AV 9730
5022 Gedney Asa L ⓞ AV 4202

EDWARDS DRIVE — From 9000 Cecil av, west and southwest
9157 Wiekal Roy C ⓞ
Barton intersects

ELFORD DRIVE — From intersection of 8th av NW and 135th W, winding northwest and west
830 Brown Harold G ⓞ
872 Duckering Richd E ⓞ GL 2030
890 Provine Ellis F ⓞ EM 7364
893 Strom John F jr ⓞ GL 3931
895 Whittlesey Max B ⓞ GL 2053
899 Serr Willis B ⓞ GL 9561
930 Stahlke Geo A ⓞ EM 3013
970 Menconi Leonard ⓞ EM 5476
1022 No return
1023 Reynolds John J ⓞ GL 2854
1031 Gruol Constn Co genl contrs
Gruol Kenneth R ⓞ GL 6359
1039 Hockin Stanley E ⓞ EM 5562
1048 Brandt Otto P ⓞ EM 2138
1109 Denny Harold M ⓞ EM 4756
1217 Mortensen Nels P ⓞ EM 3411
1249 Kamins Selwin ⓞ EM 0099
13515 Wheelon Burton J ⓞ GL 7090
13535 Guttormsen Geo C ⓞ GL 1853

ELIZABETH—From 6500 Ellis av, east
1103 Yanger John C ⓞ RA 7243
1104 Larson Augusta M Mrs ⓞ
RA 4992
1107 Brunie Lena A ⓞ
1110 Collins Walter ⓞ RA 7022
1115 Garlatz Iron Wks LA 2622
1120 Bufmyer Edw D
1124 Brunie Frank ⓞ RA 3968
1128 Balcom Henry A
1132 Ryer Ruth C
1134 Ball Chas W ⓞ LA 1344
1140 Kaiser Spencer J RA 0264
1143a Koznek Frank J
1143b Vacant
1143½ Fleming Don K
1145a Vacant
1145b Allen Solomon
13th av S intersects
1145½ Darling Don L
Wagenius Jerome A

ELK PLACE—From 8250 Latona av, east
4th av NE intersects
5th av NE intersects

ELLERAY LANE—From intersection Ambleside rd and Penrith rd, north
5424 Webb Arth W ⓞ FI 0116
5425 Faller Preston ⓞ VE 7257

ELLIOTT AV — From 87 Lenora, northwest
Blanchard intersects
2226 Boysen Walter N Co paints
EL 1714
Bell intersects
2314 Brion Lila M Mrs SE 5563
2318 Smith Wm H EL 8033
2322 Holum Torgus G
2328 Vacant
2332 Kelly Harry
Battery intersects
2408 Evergreen Trailways (garage)
Perfection Smokery Inc canners EL 3845
Wall intersects
2500 Skyway Cafe MA 9361
2512 Schwendener Fredk L ⓞ
2512a Spinks Cleveland
2512b Segal Bernard SE 0238
2516 Sletto Roy E SE 2681
2516a Lalka Julia M Mrs
2516b Gregory Jos SE 5473
Vine intersects
2801 American Can Co EL 8100
Cedar begins
2700-04 Vacant
2708 Dahl G Co contrs MU 5281
2718 Bartman Elevator Co serv
MA 8719
Sound Elev Co Inc MA 1655
Clay intersects
Broad intersects
2801 Vacant
2817 Ship Equip & Sup Co
MA 1800
2819 Kelvinator Div-Am Motors
Sales Corp whol elec appliances EL 4394
2901 Lasater Chas A Co auto frt
EL 3811
3001 Union Oil Co of Calif (plant)
MA 1251
Bay intersects
3101 Grinnell Co of the Pac sprinkler sys GA 8440
3124 Amusement Assn of Seattle Inc AL 2227
3126 Western Distrs coin operated machs GA 3585
Sound Amusement Co Inc coin operated machs GA 3585
3130 Fire Appliance Co fire extinguishers AL 1717
3136 Salesbook Mfg Co stationery AL 3700
3140 Heavens Sup Co dry clnr sups GA 5029
3144 Vacant
3150 Northwest Sls Co
3155 Am Ship Sup Co ship chandlers AL 4919
Colby Steel & Mfg Inc AL 0570
Quale Sales Agcy Inc marine sups AL 4920

ELLIOTT AV W—From W 100 Denny way, northwest
100 Dunis Distributing Co coin operated machs AL 0414
105 Am Lndry Machy Co The GA 0553
Am Cleaners Equip Co GA 0553
106 Maddox Sls Co coin operated machs AL 0418
Seattle Amusement Co coin operated machs AL 0416
114 Puget Sound Novelty Co Inc coin operated machs AL 1010
116 Fairbanks Harlan Co pop corn mfrs AL 5350
122 Northwest Filter Co mfrs GA 7700
126 Dwyer Edwin C Co prntrs sups AL 3877
128 Reliable Lunch GA 9722
130 Henley Engineering Indry sups AL 3323
Machy Distrs Inc
131 Lighthouse for the Blind Inc broom mfrs GA 3111-3112
2d av W intersects
W John ends
201 Wash Co-op Farmers Assn GA 0355
208 Skipper's Sea Food Restr GA 8821
Kremer Curt ⓞ AL 2827
220 Lowe's Shell Serv gas sta GA 9028
3d av W intersects
W Thomas ends
318 Standard Sta Inc gas sta GA 9762
333 Crawford's Sea Grill & Coral RM restr GA 3330
350 Violet's Hamburger Shanty restr GA 9707
351 Glaser Beverages Inc GA 2177
375 Ocean House restr GA 9859
4th av W intersects
W Harrison ends
400 Northwest Auto Wrecking Co AL 2020
401 Lumbermen's Mercantile Co Inc lbr and hdw AL 3184
410 Northwest Auto Sup Co AL 3309
411 Bacon Henry Inc bldg wreckers GA 8844
430 Vacant
430½ Vacant
450 Vacant
454 Donovan Michl ⓞ
470 Evergreen Garden Supply AL 3622
475 Pacific Putty Inc mfrs AL 5662
Timesaver Products Co putty mfrs AL 5662
481 Doyle Plmbg Sup Co whol AL 4450
487 Superior Fish Co whol GA 0017
W Republican ends
5th av W intersects
500 Cook R L Sls & Sup Co marine and industrial sups AL 3717
535 Lbr Sup & Whse Co whol AL 4422
Seattle Pneumatic Tool Co AL 4242
544 Ruff's Drive In restr
545 Blackstock Lbr Co GA 3636
W Mercer ends
6th av W intersects
600 Charlie's Shell Serv gas sta GA 9888
601 King County Humane Soc Inc AL 2536
Furulie Norman O
611 Herr Lbr & Sup bldg materials GA 1104
Herr Box Co mfrs GA 1104
612 Taylor Al Brake Serv GA 9911
614 National Spra-Kote Co paint dlrs whol GA 8187
630 Hale Sam Lbr Co AL 8377
635 Consolidated Dairy Products Co whol GA 4220
Seattle Milk Producers Assn GA 7180
United Dairymen's Assn GA 4220
Wash Milk Producers Assn AL 0433
652 Vacant
664 Pickett's Les Automotive Serv GA 9804
W Mercer pl intersects
W Roy intersects
711 Selandia Smorgasbord restr AL 8260
717 Vacant
W Mercer pl ends
900 North Pac Elec Co appliances sls & serv AL 2131
Pac Appliance Co sls & serv AL 2131
901 Am Conserving Co food processing GA 1020
901½ Trevaillon Violet Mrs EL 4956
902 LaMode Furn & Uphol Co uphol AL 1212
904a Mist Publishing Co prntrs AL 4010
904b Carpet Brokerage Co AL 4010
906a Vacant
906b Vacant
908a Vacant
908b Vacant
910 Vacant
912 Vacant
915 N W Stone Products Co MI 0906
919 Art's Transfer AL 1762
920 Crouch Chas R ⓞ lighting equip GA 0010
921 Better Bilt Furn Mfg Co GA 3763
Statewide Constn Co AL 7800
934 Intrument Laby Inc industrial instruments L 4940
945 Gladding McBean & Co clay products GA 0330
948 Vacant

ELLIOTT AV W—Contd
954 Cooper-Bessemer Corp (br) deisel eng mfrs AL 5777
963 Shore Lunch Room GA 9
Tate Mabel M Mrs
965 Consolidated Fuel & Htg Co GA 4330
1022 Hill Ida M Mrs GA 6913
1024 Apartments
1 Teale Jas W
2 Vacant
3 Howard Steph F
4 Palo Geo
5 Hill Ida Mrs ⓞ GA 6913
Street continued
1030 Kollmar Sht Mtl Wks AL
1038 Wilson Machine Wks GA
1039 Western Foundry Sand C
AL 7022 or AL 0123
W Prospect
1101 Burke W J & Co bldg ma
AL 0553
1104 Perkins Union Serv gas
GA 9978
1110 Home Oil Co The GA 800
1111 Quench-Nesbitt Bottling
AL 7700
1121 Better Properties bldg co
AL 3646
Sharin Sol mfrs agt
1124 Ace Tank & Welding Co
AL 5650
1140 N & S Foundry C AL 08
1143 Table Products Co prepar
food AL 8833
1144 N & S Engine Co machs
GA 0500
1162 Vacant
1170 Gas City Garage auto rep
GA 9989
1400 Eidem Plywood Sales GA
1401 Vacant
1402 Vacant
1405 Williams & Co Inc potato
mfrs AL 0770
1408 Elliott Avenue Vet Shop
GA 1889
Clark Sa W vet GA 1889
1415 Line Matl Co elec equip
AL 6368
Federal Pacific Elec Co
equip mfrs MU 9324
1417 Washington Glass Co AL
1418 Paul's Garage AL 8006
1426 Graystone Concrete Prod
br (truck repr shop)
GA 0066
1430 Vacant
1436 Western Pac Chem Labor
Inc GA 0431
1437 Materials Handling Equip
mach dlrs AL 7300
1441-45 Dealers Millwork Sup
bldg matls GA 6132
1450 Vacant
1451 Pennzoil Co whol oil GA
1452 Shifton Plywood Co
GA 0409
1461-71 Martin Van Lines Inc
GA 5023
Northwest Consolidators
hsehold gds GA 5023
1462 Your Market GA 0350
Haworth Chas C ⓞ gro
GA 0350
1472-74 Lee Albert Furn Co d
ret GA 5330
W Galer
15th av W
1501 Phillips Associated gas s
GA 3871
1515 Car Wash Inc AV 3550
McConnell Ross Appliance
Talev AV 3800

ELLIS AV—From 1200 Bailey, west
6201 Chuck & Ed's Serv gas s
RA 9634
6202 Vacant
6204 Home Masonic Temple
RA 9826
6219 Casey Cornelius W ⓞ L
6220 Capp Carl ⓞ LA 0252
6221 Haarmann Henry J ⓞ RA
6225 Kraut Simon J LA 1303
6253 Connelly Howard ⓞ LA
6258 Schubert Marquette C ⓞ
RA 7224
6263 Malinak Steph F ⓞ
6264 Chiftis Geo P ⓞ
6267 Smith Gertrude G Mrs ⓞ
6271 Domanski Stanley J ⓞ
RA 3589
6272 McConnell Helen ⓞ
6273 Kerns Wm F ⓞ LA 3974
6276 Gehring Emma M Mrs ⓞ
RA 2960
6279 Lentz Ernest H ⓞ MO 6
6281 Mickola Conrad I ⓞ RA
6285 Pistoresi Peter ⓞ RA
6286 Vincenzi Achille ⓞ RA
6287 Caffell Henry R ⓞ LA
Angelo
6309 Drake Albert E ⓞ LA

COLLECTIONS EVERYWHERE
BONDED — Established Over 25 Years
MAIN 2750
711 2ND AVE.
COLLECTION CHARGE

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THE BON MARCHE ...where all Seattle shops

ELLIOTT AV W—Contd
700 Vacant
601 King County Humane Soc Inc
Δ AT 4-8080
602 Taylor Building
Rooms:
1 Combined Business Serv photoprinting Δ AT 4-8166
2 Mustang Mfg Co whol camping equip Δ AT 3-1667
3 Vacant
4 Lunch Room
Street continued
611 Dorco Inc real est
Δ AT 4-8050
Herr Lbr & Sups bldg materials Δ AT 4-8050
612 Taylor Al Brake Serv
Δ AT 4-8610
614 National Spra-Kote Co Inc paint whol Δ AT 4-8187
630 Hale Sam Lbr Co Δ AT 4-8377
635 Consolidated Dairy Products Co whol Δ AT 4-7220
Darigold Farms (ofc)
Δ AT 4-7220
Seattle Milk Producers Assn
Δ AT 4-7180
United Dairymen's Assn
Δ AT 4-7220
Wash Milk Producers Assn
Δ AT 4-8120
652 Motor Wheel & Parts Co
Δ AT 4-7005
W Mercer pl intersects
W Roy intersects
711 Selandia Smorgasbord restr
Δ AT 4-8260
Jensen Sigurd E
900 Pac Appliance Co elec appls
Δ AT 3-2131
901 Am Conserving Co food processing Δ AT 2-1020
901½ Vacant
902 Contract Furn Inc whol
Δ AT 3-9100
904a Hersey Sparling Meter Co mfrs Δ AT 3-9921
906 Construction Take-Off Co surveyors Δ AT 3-8181
906b Vacant
908a Emanuels Mason Co mfrs agts Δ AT 3-4600
908b Sundt Chester A acct
Δ AT 2-3727
910a T & H Co mfrs agt
Δ AT 3-3540
910b Hughson & Merton mfrs agts
Δ AT 3-6633
912 General Mills Inc (sales office) flour mill Δ AT 4-1850
Hosp Consultants Inc
Δ AT 4-7104
Seattle Teachers Association Clubs Δ AT 3-8443
Washington Gas Dirs Assn
Δ AT 4-1376
Westway Petroleum Co
Δ AT 3-6905
919 Art's Transfer Inc Δ AT 3-1762
920 Crouch Ornamental Iron Wks
Δ AT 2-0010
921 Betty-Bilt Furn Mfg Co
Δ AT 2-3763
Statewide Constn Co contrs
Δ AT 3-8500
934 Instrument Laby Inc industrial instruments
Δ AT 3-5850
945 Gladding McBean & Co clay products Δ AT 2-0330
946 Instrument Laby Repr Shop
Δ AT 3-5850
954 Cooper-Bessemer Corp (br) diesel eng mfrs
Δ AT 3-5777
953 Shore Lunch Room
Δ AT 2-9831
965 Consolidated Fuel & Htg Co
Δ AT 2-4380
1022 Hendrickson Frank ⓒ
1024 Apartments
1 Vacant
2 Carlson Walter
3 Bushman Peter B Δ AT 2-6913
4 Joki Matt
Street continued
1030 Kollmar Sht Mtl Wks
Δ AT 3-2330
1038 Wilson Mach Wks
Δ AT 2-7560
1039 Western Fdry Sand Co fdry sups Δ AT 3-0122
351
W Prospect intersects
1104 Tarbox Ralph Serv gas sta
Δ AT 2-9988
1110 Home Oil Co The fuel
Δ AT 2-8000
Walker Oil Co Δ AT 3-1555
1111 Quench-Nesbitt Bottling Co
Δ AT 3-7700
1121 Vacant
1124 Ace Tank & Welding Co mfrs
Δ AT 3-5650
1140 Rogers Foundry Inc iron & steel Δ AT 3-0800
1143 Safeway Dressings Plant-Brookside Div prepared foods
Δ AT 3-8833
1144 Buckman M F Mach Wks
Δ AT 2-0500
1146 N & S Engine Co machs
Δ AT 2-0500
1162 LaMode Furn & Uphol Mfg Co Δ AT 3-1212
1170 Gas City gas sta Δ AT 2-9827
1400 Robinson Distr Corp hsehold appls Δ AT 4-8400
1402 Vacant
1405 Frito Co The Northwest Div potato chip & corn chip mfrs Δ AT 3-1330
1408 Elliott Av Dog & Cat Hosp
Δ AT 2-1991
1415 Federal Pac Elec Co elec equip mfrs Δ AT 3-7800
1418 Elliott Av Garage auto repr
Δ AT 3-9696
1426 Vacant
1430 Professional Products whol toilet preparations
Δ AT 2-0341
Runnels Co Inc whol toilet preparations Δ AT 2-0341
Western Pac Chemical Labys Inc toilet preparations
Δ AT 2-0341
1436 Kirkman Pharmacal Co
Δ AT 3-0446
1437 Hilton Canning Co Inc whol
Δ AT 3-4388
Hilton Seafoods Co Inc
Δ AT 3-4388
1441 Hartung F L Glass Co
Δ AT 3-3220
1451 Pennzoil Co (br) Δ AT 2-0840
1452 Martenson's Equip Inc matl handling equip
Δ AT 2-0245
1461-71 Martin Van Lines Inc
Inc Δ AT 2-5022
Martin Overseas Van Lines Inc Δ AT 2-0522
Martin Van Lines-A Partnership Δ AT 2-5023
Northwest Consolidators forwarding agts
Δ AT 2-5023
1462 Your Market gro
Δ AT 2-0350
Haworth Chas C
1476 Lee Albert Furn Co
Δ AT 2-5330
W Galer intersects
15th av W intersects
1501 John's Flying A gas sta
Δ AT 3-3830
1515 McConnell Ross Appliance & Telev Δ AT 3-3800
Pier Ninety-One Car Wash

ELLIS AV—From 1200 Bailey southwest 145
6201 Ed's Union Serv gas sta
Δ PA 2-9834
6204 Home Masonic Temple
Δ PA 2-9826
Crown Circle No 328 (F&AM)
Home Chapter No 193 (OES)
Home Lodge No 100 (F&AM)
Rainbow Girls No 25
Rebekah Lodge No 259
Sunlight Court (Order of Amaranth)
6219 Casey Olive R Mrs ⓒ
Δ PA 3-4498
6220 Byrd John A ⓒ Δ PA 3-0252
6221 Haarmann Isabella M Mrs ⓒ
Δ PA 2-7719
6225 Kraut Simon J ⓒ
Δ PA 3-1503
6253 LaFreniere Alfa Mrs ⓒ
Δ PA 2-8884
6257 Vacant
6258 No return
6263 Mallnak Emma D Mrs ⓒ
6264 Lozzi Dino A Δ PA 3-2238
6267 Gjerdrum Olaf O ⓒ
6271 Schutte Robt S ⓒ
Δ PA 2-9303
6272 McConnell Helen Mrs ⓒ
6273 Deryke Myrtle Mrs ⓒ
Δ PA 5-0336
6276 Gehring Emma M Mrs ⓒ
Δ PA 2-2960
6279 Barry Arth J Δ PA 5-1273
6281 Mickola Conrad I ⓒ
Δ PA 2-2999
6285 Pistoresi Peter ⓒ
Δ PA 2-5462
6286 Sweeney Thos F ⓒ
Δ PA 2-7205
6287 Caffell Henry R ⓒ
Angelo intersects
6306 Harrison Gerald V ⓒ
Δ PA 3-4978
6309 Drake Albert E ⓒ
Δ PA 3-1565
6310 Engman Eric S ⓒ Δ PA 3-8227
6311 Santinoni Fred J ⓒ
Δ PA 3-7420
Eddy intersects
6409 Hemming John A ⓒ
Δ PA 3-3963
6415 Vacant
6421 Whittaker Anne Mrs ⓒ
Δ PA 2-5012
Elizabeth intersects
6501 Andal Maurice
6507 Rogers Raleigh E ⓒ
Δ PA 2-4865
6511 No return
6511½ Gonzales Jas S Δ PA 3-6362
6511a Gall Tijindel
6517 Perovich Nana Mrs ⓒ
Δ PA 2-0835
6523 South End Furn used
Δ PA 3-9025
6525 Perovich Bros Serv gas sta
Δ PA 2-9977
Warsaw intersects
6603 Smith Helen M Mrs ⓒ
Δ PA 5-7704
6631 Shoemaker Albert P ⓒ
Δ PA 5-5188
6633 Rezek Mary Mrs ⓒ
Δ PA 3-4811
6643 Ellis Odella Mrs ⓒ
6649 Ward Izula G Mrs ⓒ
Δ PA 2-4890
6653 Eibenschink Willis R ⓒ
Δ PA 5-6980
6657 Cramer Emma M Mrs ⓒ
6661 Bianchi Carl J ⓒ
Δ PA 2-7195
6665 Gire Henry ⓒ Δ PA 3-7145
6701 Ton Nellie Mrs ⓒ
6705 Luffman Clarence H ⓒ
Δ PA 2-5932
6715 Shoemaker Kenneth ⓒ
Δ PA 3-1389
6719 Keppler Herbert G ⓒ
Δ PA 3-3518
6721 Coles Frances W ⓒ
Δ PA 2-1004
6725 Martinni John J ⓒ
6731 White Richd L ⓒ Δ PA 5-4850
6733 Boyce Willford H ⓒ
Δ PA 5-7943
6736 State Air National Guard 143d AC&W Squadron
Δ PA 5-6266
6737 Glover Vernon W Δ PA 5-7323
Willow intersects
6901 Vermeire Rene ⓒ
Δ PA 2-8279
6909 Anderson Jessie V Mrs ⓒ
Δ PA 2-8014
6915 Condon Pearl I Mrs ⓒ
Δ PA 2-9282
6921 Peggia Delfina M Mrs ⓒ
Δ PA 3-8170
6929 Gillie Donald F
Δ PA 3-1628
6933 Dial Jack J Δ PA 2-4916
6937 Bernasek Barton L ⓒ
Δ PA 3-1236
6945 Helfert Michl W ⓒ
Δ PA 2-7929
E Marginal way intersects
7000 U S Pipe & Salvage Co junk Δ PA 5-8100
Myrtle intersects

ELM PLACE — From 4013 Maryland 213
1107 Wood Elix Δ WE 7-4429
1109 McQuillan Harlan J
Δ WE 5-9998
Thies Richd C ⓒ
Δ WE 7-3207

ELMGROVE—From 8100 2d av S, east 271
203
5th av S intersects
520 Joy Bob
524 Barnett Everett P ⓒ genl contr Δ PA 2-3333
7th av S intersects
711 Gilinski Ben Δ PA 3-5658
714 Bates J W ⓒ Δ PA 5-7097
720 Crosby Ruby Mrs ⓒ
728 Pella Jas V ⓒ Δ PA 5-2571
727 Bowman Leon R ⓒ Δ PA 2-3758
730 Vacant
733 O'Brien Edw G ⓒ Δ PA 5-9667
736 Stevens Richd F ⓒ
Δ PA 3-7497
737 Summers Homer ⓒ
Δ PA 5-7324
740 West Larry
741 Gelinas Hazel L Mrs ⓒ
Δ PA 5-2730
746 Schlosser Neil L ⓒ
Δ PA 4-6418
749 Belcher Carl A ⓒ
Δ PA 2-8334
8th av S intersects
839 South Park Green House
Δ PA 2-0747
Araki Toru ⓒ Δ PA 2-0747
10th av S intersects
1015 Hatch John H ⓒ
1018 Burns John J ⓒ Δ PA 2-7760
1022 Genovese Domnick ⓒ
Δ PA 2-8280
1025 Heacock Clinton L
Δ PA 2-0837
1029 Maio Peter H ⓒ Δ PA 5-6340
1033 Osborn Glen C ⓒ Δ PA 3-1011
1037 Poore Trace E ⓒ
Δ PA 2-8238
1040 Schmidt Harold Δ PA 5-0817
1046 Curtis Jas F Δ PA 5-4345
1049 Neilson Neils J ⓒ
1054 Giles Ernest ⓒ Δ PA 3-7391
1055 Johnson Gaylan M Δ PA 2-5898
Duwamish Waterway intersects
Rainier av intersects
173
42d av S intersects
3945 Hren Frank jr ⓒ Δ PA 3-3722
181
50th av S intersects
5004 Tangen Irvin H ⓒ
Δ PA 3-3882
Rainier av intersects

ELMGROVE, W — From 8100 4th av SW, west 273
5th av SW intersects
6th av SW intersects
7th av SW intersects
8th av SW intersects
9th av SW intersects
10th av SW intersects
1003 Amundsen Michl J
Δ WE 7-6747
1009 Cochrane Carl D ⓒ
Δ WE 2-7818
1010 Miniken Danl P ⓒ
Δ WE 5-0774
1014 Garrison Robt D
1015 Bates Alf ⓒ Δ WE 2-4617
1025 Kemper Arth ⓒ Δ WE 5-2635
11th av SW intersects
1102 Cameron Jean M Mrs ⓒ
1107 Matthews Harry K ⓒ
Δ WE 7-9917
1110 Will Donald R ⓒ
Δ WE 5-8632
1117 Suver Fred M ⓒ bldg contr
Δ WE 2-5367
12th av SW intersects
1218 Bartletto Paul G ⓒ
Δ WE 5-3872
13th av SW intersects
1310 Tweten Louis A ⓒ
Δ WE 5-3984
1314 Cheriault Ella Mrs ⓒ
Δ WE 7-0080
14th av SW intersects
277
16th av SW intersects
17th av SW intersects
1702 Emerick Edwin L ⓒ
Δ WE 7-3998
1708 Rowley Earl E ⓒ Δ WE 7-7861
18th av SW intersects
1802 Peyton Delbert L
Δ WE 5-7322
1808 Hellum Henry H ⓒ
Δ WE 7-8655

DOLLARS MULTIPLIED for MORE ENJOYABLE LIVING

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Member: New York Stock Exchange — American Stock Exchange

Investment Securities

MAin 4-4800

Norton Building

EST. 1870

ELLIOTT AV W--CONTD
411 BACON HENRY INC BLDG MATLS AT4-7844
444 GOODYEAR SERVICE STORE TIRES AT4-0600
475 PACIFIC PUTTY CO MFRS AT4-8765
TIMESAVER PRODUCTS CO INC ABRASIVES AT4-8765
481 DOYLE PLUMBING SUPPLY CO WHOL AT4-8460
487 VACANT
---W REPUBLICAN INTERSECTS
---5TH AV W INTERSECTS
500 SAL'S SIGNAL SERVICE AT2-9816
535 LUMBER SUPPLY & WAREHOUSE CO AT4-8530
SEATTLE PNEUMATIC TOOL CO MFRS AT4-8464
544 RUFF'S ELLIOTT AVENUE DRIVE IN RESTR AT4-9994
545 BLACKSTOCK LUMBER CO INC AT4-1313

317

---W MERCER INTERSECTS
---6TH AV W INTERSECTS
600 ELLIOTT AVENUE AUTO PARTS INC AT4-7570
601 KING COUNTY HUMANE SOCIETY INC AT4-8080
602 TAYLOR BUILDING COMBINED BUSINESS SERVICE LETTER SHOP AT4-8166
611 VACANT
612 TAYLOR BRAKE INC AT4-8610
614 PAINT COUNSELORS INC AT4-8187
---6TH AV W INTERSECTS
630 HALE SAM LUMBER CO AT4-8377
635 CONSOLIDATED DAIRY PRODUCTS CO WHOL AT4-7220
DARIGOLD FARMS (OFC) AT4-7220
NORTHWEST DAIRYMEN'S ASSN AT4-8120
UNITED DAIRYMEN'S ASSN AT4-7220
652 ALLIED SAFE & VAULT AT3-7200
---W MERCER PL INTERSECTS
711 BARCLAY DANCE STUDIO AT4-1533
BARCLAY GEO
---W ROY INTERSECTS
900 PACIFIC APPLIANCE CO ELEC APPLS AT3-2131
901 AMERICAN CONSERVING CO FOOD PROCESSING AT2-1020
901½ NO RETURN
902 CONTRACT FURNITURE INC WHOL AT3-9100
904A HERSEY-SPARLING METER CO MFRS AT3-9921
906B HUPP CORP-RICHARDS WILCOX DIV WHOL HDW AT4-5600
908A EMANUELS MASON CO MFRS AGTS AT3-4600
908B SUNDT CHESTER A ACCT AT4-7010
910A RENA-WARE DISTRIBUTORS (STGE)
912 DUNHAM BUSH INC AIR CONDITIONING AT4-7075
EXECUTIVE SUITE HEALTH CARE INC INS AT4-0180
GENERAL MILLS INC (SLS OFC) FLOUR MILL AT4-1850
HOSPITAL CONSULTANTS INC AT4-7104
VARIETY WHOLESALERS AT2-3944
WESTWAY PETROLEUM CO AT3-6505
919 ROBERTSHAW CONTROLS CO TEMPERATURE CONTROLS AT3-0550
920 CROUCH ORNAMENTAL IRON WORKS AT2-2100
921 BETTER BILT FURNITURE MFG CO AT2-3763
STATEWIDE CONSTRUCTION CO BLDG CONTRS AT3-8500
GREENBERG IRVING L
934 INSTRUMENT LABORATORY INC MARINE SUPS AT3-5850
945 INTERNATIONAL PIPE & CERAMIC CORP AT2-0330
946 INSTRUMENT LABORATORY INC (REPR SHOP)
954 COOPER-BESSENER CORP DIESEL ENG MFRS AT3-5777
963 SHORE LUNCH RESTR
965 CONSOLIDATED FUEL & HEATING CO OIL AT2-4380
1024 APARTMENTS
1 CARLSON HJELMER
2 VACANT
3 BUSHMAN PETER B
1030 KOLLMAR SHEET METAL WORKS AT3-2330
1038 WILSON MACHINE WORKS AT2-7560
1039 HEMPHILL OIL CO FUEL OIL AT4-1434
POWER PLANT ENGINEERING CO OF SEATTLE INC REAL EST AT4-1434
1041 BANNER CLEANERS AT3-7591

997

---W PROSPECT INTERSECTS
1104 TARBOX RALPH SERVICE GAS STA AT2-9988
1110 HOME OIL CO THE FUEL AT2-8000
WALKER OIL CO OILS & LUBRICANTS AT3-1555
1111 QUENCH BOTTLING CO INC AT3-7700
1121 ACE TANK & WELDING CO (ANNEX)
1124 ACE TANK & WELDING CO MFRS AT3-5650
1140 ROGERS FOUNDRY INC IRON & STEEL AT3-0800
1143 VACANT
1144 BUCKMAN M F MACHINE WORKS AT2-0500
1146 N & S ENGINE CO MACHS AT2-0509
1170 LOWE'S AUTOMOTIVE SERVICE GAS STA AT4-8214
1180 ROBINSON DISTRIBUTING CORP HSEHOLD APPLS AT4-8400
1402 VACANT
1405 FRITO-LAY INC POTATO CHIPS AT3-1330
1408 ELLIS DOROTHY ELLIOTT AVENUE DOG & CAT HOSPITAL AT2-1991
REAR VACANT
1415 FEDERAL PACIFIC ELECTRIC CO ELEC EQUIP MFRS AT3-7800
1418 ELLIOTT AVENUE GARAGE AUTO REPR AT3-9696
1426 ADVANCED SHEET METAL CO AT2-2961
1430 PROFESSIONAL PRODUCTS WHOL TOILET PREPARATIONS AT2-0341
RUNNELS CO INC WHOL TOILET PREPERATIONS AT2-0341
WESTERN PACIFIC CHEMICAL LABORATORIES INC TOILET PREPARATIONS MFRS AT2-0341
1436 VACANT
1437 HILTON CANNING CO INC WHOL AT3-4388
HILTON SEAFOOD CO INC WHOL AT3-4388
1441 HARTUNG F L GLASS CO AT3-8230
1451 PENNZOIL CO WHOL OIL AT2-0840
1452 YALE & TOWNE INC (BR) LIFT TRUCKS AT2-0244
1461 VACANT
1462 VACANT
1476 LEE ALBERT FURNITURE CO AT2-2110
---W GALER INTERSECTS
---15TH AV W INTERSECTS
1501 VACANT

981

ELLIS AV S --FROM 1200 S BAILEY SOUTHWEST

6201 ED'S UNION SERVICE GAS STA PA2-9634
6204 HOME MASONIC TEMPLE PA2-9826
CROWN CIRCLE NO 326 (F&AM) PA2-9826
HOME ASSEMBLY NO 25 ORDER OF RAINBOW GIRLS PA2-9826
HOME CHAPTER NO 193 (OES) PA2-9826
HOME LODGE NO 100 (AF&AM) PA2-9826
HORTON JULIUS CHAPTER-ORDER OF DEMOLAY PA2-9826
REBEKAH LODGE NO 259 PA2-9826
SUNLIGHT COURT (ORDER OF AMARANTH) PA2-9826
6219 HOLMES ELLA V MRS • PA2-8302
---S ANGELO INTERSECTS
6220 BYRD JOHN A • PA3-0252
6221 HOARMANN ISABELLE MRS • PA2-7719
6225 KRAUT MARGT F MRS • PA3-1303
6253 LA FRENIERE ALFA MRS • PA2-8884
6257 QUINN HAZEL M •
6258 HAYNES ALBERT
6263 REED CALVIN E
6264 LOZZI DINO A
6267 GJERDRUM OLAF O • PA2-4294
6271 CRAIG ARNOLD W PA2-8190
6272 MOORE NELLIE M MRS
6273 WALZ GLORIA J MRS PA5-0376
6276 VACANT
6279 CORULLI CECIL S PA5-3846
6281 MICKOLA ELSIE M MRS • PA2-2999
6285 PISTORESI PETER • PA2-5462
6286 SWEENEY THOS F • PA2-7205
6287 CAFFELL HENRY R •
6306 SANTINI EMIL
6309 DRAKE ALBERT E • PA3-1565
6310 ENGMAN ERIC S • PA3-8227
6311 BRAA CLARENCE T PA2-8758
---S ALBO PL INTERSECTS
6404 ROSSO JULIUS WHOLESALE NURSERY CO NURSERY WHOL PA3-1888
6409 VACANT
6415 LOVEJOY ROBT W
---S ELIZABETH INTERSECTS
6421 WHITTAKER ANNE MRS • PA3-1503
6501 COLLIER ROBT L PA5-2687
6507 TUPPER DEAN M PA2-2483
6511 VACANT
HADLEY FRANK
6511½ GONZALES JAMES S PA3-6362
6517 PEROVICH ROBT • PA2-0835
6523 SOUTH END FURNITURE USED PA3-9025
6525 PEROVICH BROS FUEL HEATING OILS PA2-9977
PEROVICH BROS SERVICE GAS STA PA2-9977
---S WARSAW INTERSECTS
6603 FISCHER CLIFF C • PA5-7704
6631 SHOEMAKER ALBERT P • PA5-5188
6633 REZEK DONALD M • PA3-4811
6637 BROCATO EDW L PA2-1392
6643 ELLIS ODELIA MRS • PA2-5880
6649 WARD GLEN •
6653 VACANT
6657 CRAMER EMMA M MRS • PA3-7339
6661 BIANCHI CARL J • PA2-7195
6665 GIRE HENRY • PA3-7145
NO RETURN
6701 TON NELLIE MRS •
6705 LUFFMAN CLARENCE H • PA2-5932
6715 SHOEMAKER KEN L • PA3-1389
6719 KEPPLER HERBERT G • PA3-3518
6721 COLES FRANCIS W • PA2-1004
6725 MARTINI KATH E •
6731 HEWITT GRACE E MRS • PA5-6633
6733 BOYCE WILLFORD H • PA5-7943
6736 WASHINGTON STATE NATIONAL GUARD PA5-6266
STATE NATL GUARD PA5-6266
MARDILLA VIC J
6737 HANNAH JOHN R PA2-4565
---S WILLOW INTERSECTS
6901 VERMEIRE RENE • PA2-8279
6909 ANDERSON JESSIE V MRS • PA2-8014
6915 CONDON PEARL I MRS • PA2-9262
6921 PEGGIA DELFINA M MRS • PA3-0453
6929 GILLIE DONALD F
6933 METCALF JOHN H PA2-4533
6937 WALLACE PATK L
6945 HELFERT ALICE L MRS • PA2-7929
---S MYRTLE INTERSECTS
7000 U S PIPE & STEEL CO STEEL PRODUCTS PA5-8100
---MARGINAL WAY S INTERSECTS

213

ELM PL SW --FROM 1106 CALIFORNIA PL SW SOUTH

1107 VACANT
1109 THIES RICHD C • WE7-8207
FRARY RUTH F WE7-0753
1119 DOREMUS CARL J •

271

S ELMGROVE ST --FROM 8100 2D AV S EAST

203

---5TH AV S INTERSECTS
520 VACANT
524 VACANT
527 CRESCENT SHEET METAL SHOP PA5-3020
---7TH AV S INTERSECTS
711 GILINSKI BENJ PA3-5658
714 BATES JAMES N • PA5-2472
720 CROSBY RUBY E MRS •
726 PELLA EMMA L PA5-2571
727 VACANT
730 VACANT
733 O'BRIEN EDW G • PA5-0450
736 STEVENS RICHD F • PA3-7497
737 SUMMERS HOMER • PA5-4387
740 NO RETURN
741 MATTOX MOLLIE E MRS • PA5-3488
746 SCHLOSSER NEIL L • PA5-6418
749 BELCHER CARL A
---8TH AV S INTERSECTS
839 SOUTH PARK GREEN HOUSE NURSERYMN PA2-0747
ARAKI TORU • PA2-0747
---10TH AV S INTERSECTS
1015 HELGESON ROY E • PA5-5998
1016 BURNS JOHN J •
1022 GENOVESE ASUNTA MRS • PA2-8280
1025 TUCKER WALTER L PA3-9064
1033 OSBORN IRENE C MRS • PA3-1011
1029 HEIL MARION C
1037 POORE TRACY E • PA2-8236
1040 BRYCE WAYNE G KILASH RUTH PA5-1191
1046 CURTIS JAMES F PA5-4345
1049 SAINT PETER MERLE A • PA5-9921
1054 GILES ERNEST • PA3-7391
1085 VACANT
---DUWAMISH WATERWAY CROSSES

173

---EMPIRE WAY S INTERSECTS
3945 HREN FRANK J • PA3-3722

181

---50TH AV S INTERSECTS
5004 HAMILTON MARTHA PA2-1013
5007 HEIN HOWARD M • PA3-4585
---RAINIER AV S INTERSECTS

273

SW ELMGROVE ST --FROM 8100 4TH AV SW WEST

---5TH AV SW INTERSECTS
---6TH AV SW INTERSECTS
---7TH AV SW INTERSECTS
---8TH AV SW INTERSECTS
---9TH AV SW INTERSECTS
---10TH AV SW INTERSECTS
1003 KUICH RICHD A WE2-4876
1009 SHERBON FRED S • WE7-6362
1010 VAN EATON MACK B
1014 CHRISTENSEN LILLIAN MRS WE5-8752
1015 MATTOX DONALD M WE2-0852
1025 NO RETURN
---11TH AV SW INTERSECTS
1102 MACIAS JEAN M MRS •
1107 STEWART LLOYD E • WE5-9843
1110 CARGILE DELVIN E
1117 SUVER EULALIA D MRS • WE2-5367
---12TH AV SW INTERSECTS
1218 ZORNES DONALD E • WE5-3099
---13TH AV SW INTERSECTS
1310 TWETEN LOUIS A • WE5-3984
1314 KRECZKOWSKI PAUL • WE2-7043
---14TH AV SW INTERSECTS

277

---16TH AV SW INTERSECTS
---17TH AV SW INTERSECTS
1702 EMERICK EDWIN L • WE7-3998
1708 ROWLEY ELIZ A MRS •
---18TH AV SW INTERSECTS
1802 SMITH JEFFERY H WE5-5932
1808 HELLUM HENRY H • WE7-8655
---20TH AV SW INTERSECTS
2202 OSAKI TOM H • WE5-2617
---DELRIDGE WAY SW INTERSECTS

281

---27TH AV SW INTERSECTS
2703 STROBEL WILBERT C • WE2-9118
2706 SINGLETARY CLIFTON • WE2-4241
2711 TAINIO GARY K WE7-8453
2712 KOSEL FREDA MRS • WE2-4030
2716 REES VICTOR D •
2717 DUJAROTN ARTH N WE7-7415
2722 CHANEY SAML L • WE7-6030
2723 BARTOL EUG F • WE7-3619
---28TH AV SW INTERSECTS
2809 BUCK FREDK S • WE7-1905
---29TH AV SW INTERSECTS
---30TH AV SW INTERSECTS
3007 VACANT
3011 DORNBUSCH LEON S • WE5-9812
3012 KIRBY GEO C • WE2-8167
3017 GREENFIELD ROY A • WE2-5753
---31ST AV SW INTERSECTS
---32D AV SW INTERSECTS
---33D AV SW INTERSECTS
---34TH AV SW INTERSECTS
---35TH AV SW INTERSECTS
3815 GANNAM JOHN D WE5-9849
3518 SCHRADER JACK • WE2-8519
3519 WOLFORD LOVELL H • WE2-5342
3524 FIELDSON CHARLES H • WE2-2046
3527 MARTIN MICHL J • WE2-0608
3530 WRIGHT HELEN I MRS • WE2-4304
3533 SCHUSSLER KARL F • WE5-3624
3534 TAYLOR MARK S • WE5-5223
3540 MUNSCH HENRY • WE5-0748
3541 KATT MARIAN B MRS • WE2-2325
3544 COLLIER LEWIS H • WE5-9039
3545 DOWNS MARK R • WE7-9686
---37TH AV SW INTERSECTS
3711 LAWRENCE THEO H • WE5-8770
3712 RODLUN THEO E • WE5-0561
3716 STROMBERG VELTA M MRS • WE7-8650
3717 GREEN CARTER H • WE5-7611
3723 DUNCAN JOHN WE7-5539
3724 AHO ERNEST A • WE5-5354
3726 KIRK JOB H • WE5-3297
3727 GALLAGHER GERALD E • WE5-9619
3731 CARLSON LARRY D • WE7-3931
3732 GOEBEL WM A • WE2-6765
3735 KNUTZEN ASMUN WE7-0732
3738 ZILKE ROBT W • WE7-0890
3743 RICE MARGT E MRS •
3747 VAN HOOSE MYLA L • WE5-4793
3748 BROWN DEE W WE7-3025

283

---39TH AV SW INTERSECTS
3900 VACANT
3910 WOLFE,RICHD G STONE CTR • WE2-4060
3915 SWEEM E C •
3916 HEYER FRED C • WE2-0983
3921 RDE CHARLES C • WE2-3684
3924 SKUTLEY ANDREW E • WE7-2712
3928 BOLDT JACOB • WE2-2874
3929 ANDERSON BURT M • WE5-2891
3932 PRITCHARD CLARENCE B • WE7-6668
3935 NEWMAN EBEN J • WE7-9267
3939 BUCHNER ARTH A
3942 MC FARLAND EARL D • WE5-4248
3944 MC ALPINE FRED W • WE2-5770
3945 VACANT
3951 WOOD WAYNE G • WE5-0690
3957 LE VIERE ANGELIQUE E MRS • WE2-7405
---41ST AV SW INTERSECTS
4102 TOOMBS GLADYS A MRS • WE5-8314
4106 HARTNETT DOUGLAS W • WE2-4568
4110 LYSHALL ARNOLD P •
4115 VACANT
4118 DRENNEN LILLIAN I • WE5-0720
4122 SUNDERLAND FRANK V • WE5-3878
4123 WEBB TIRZAH E MRS • WE2-5084
4128 LOVRE BENNY WE5-0046
4131 KNOWLES ALICE M • WE2-7163
4132 LACKEY EMMA L MRS • WE2-2516
4136 NO RETURN WE2-0226
4137 SMITH PAUL S • WE2-3679
4141 STRUCK C FRED • WE2-4581
4142 CRAWFORD FRANK W •

337

W ELMORE PL --FROM 28TH AV W AT ELMORE WEST

2803 ADAMS MARJORIE E MRS • AT3-0961
2806 THOMAS BRUCE • AT3-5953
2809 ARVETT EDLA Y MRS • AT2-6934
2812 LAWSON ROY •
2815 SHARP CARL C • AT3-9791
2816 HOLT BENJ C • AT3-4626
2819 HEFT EVA E •
2822 ERICKSON THEO W •
2825 BYRNE EDW T AT4-5219
2828 SOS JOSEPH P • AT2-7960
2831 ROWLEY DAVID A AT3-9934

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Affiliated With The National Association of Credit Management

212 VIRGINIA STREET — PHONE MAin 4-2400

EDMUNDS ST—Contd

123
---RAINIER AV S INTERSECTS
3803 KANE APARTMENTS PA2-9662
1 HAAR DONALD
2 AKERSTROM GLENN PA2-6842
3 AUST FRANCES
4 LINDAHL IRENE
5 JAMES ALAN
6 MC CARTEN PATK
7 WETTLAND ERNIE
8 DAY ROBT
9 KEENAN DAN D
10 DUPRAW H J
11 OLSEN JOHN K
12 SCHULEY LLOYD
13 VACANT
14 WALTERS EDW
15 VACANT
16 WRIGHT MICHL F
17 ROGERS JOHN
18 VACANT
19 VACANT
20 KARADICK STANKA MRS
21 VACANT
22 RCONEY MARGT MRS PA5-2645
23 VACANT
24 VACANT
25 NO RETURN
26 THOMPSON GOODWIN L
27 PHILLIPS JACK E
28 VACANT
29 HARRINGTON JOHN E
30 VACANT
3804 BANK APARTMENTS
A MILLER EDLA MRS PA3-0380
B VACANT
C LENORT HELDORA T
D MC CAFFERTY BESSIE PA5-3921
E MC CUE CHARLES J PA3-6341
F VACANT
G LEE ADELE E MRS
H LEE VIOLET MRS
3808 SESLAR PHOTOGRAPHY PA5-3516
3810 HAVENICK ROBT J DENTIST PA3-1488
SCHARMAN EDW J DENTIST PA3-1488
3812 EASLEY ROBT
3815 SHIRLEY MARVIN APARTMENTS
A ANDERSON HERBERT O PA2-8621
B SMITH SUSAN H MRS
C MITCHELL BEULAH I PA5-0438
D BRICKELL ERNESTINE PA2-7230
3816 APARTMENTS
101 VACANT
102 QUALSUND AMANDA MRS PA5-3785
103 HERMANSEN G
104 TUNNARD A R
203 PATCH JOSEPH PA2-8140
204 HUNTER VIVIAN PA5-1633
205 VICARY WALTER B MRS PA2-3001
206 KINNEY LOUISE
207 BERMACK WM PA5-9717
306 USUI MICHIKO PA3-7079
307 MICHELA JOHN PA2-1917
308 NO RETURN
309 EDWARDS S
310 THOMPSON M PA3-7753
3822 APARTMENTS
1 SEVERTSEN DEAN PA3-0085
2 WENDAL AUGUST
3 BEAVER WM JR PA2-5389
4 FIELDER G S PA3-5242
5 UYEDA TAO
3823 WILLIAMS GEO
3828 EDMUNDS APARTMENTS PA3-0942
1 FABI JENNY PA3-8247
2 NO RETURN
3 VACANT
4 VACANT
5 BEYER MILDRED
6 STEPHENS MERLE MRS PA2-9295
7 JANSKY ANN M PA2-7405
8 WILKEN MARY A PA3-0942
3834 STEVENS PAUL • PA3-6282
3835 JONES J CASEY • PA5-5316
3838 SPARTAN HOUSE APARTMENTS PA5-1713
101 HIRAOKA STANLEY K
102 FOX ARTH
103 REPPOND BENJ
204 DONALDSON LILIAN I PA3-3253
205 PRICE J W
206 RUTLEDGE ARTH
207 NO RETURN
208 BYLUND GARY PA5-1713
309 MC CREA MAUREEN
3839 YAMADA KELLY K • PA3-0685
---39TH AV S INTERSECTS
3903 SWIECH EDW • PA3-8407
SWIECH VANCE A PA3-8407
3904 LOSNEGAARD LAURITZ S • PA2-9267
3907 MOYER BARBARA
3910 MC CLURE DONALD S • PA2-3835
3912 REPLOGLE LLOYD PA2-4247
VITRO FRANK R PA3-5022
3913 RAGAZA STANLEY PA3-0888
3913½ COONS PAULA MRS
3918 HAYATSU JOHN H • PA5-2350
3922 CORPUZ MOSES C • PA5-5739
3923 GONZALES MAX
3925 LORBER CHARLES • PA5-5861
3928 MATTHEWS JOHNNIE MRS • PA2-5042
3933 MOORE AUGUSTUS C • PA2-9213
3934 HEGEL EUG • PA3-2966
3938 HOPKINS EARL
3940 KOUNKEL WM J • PA5-2646
3941 DADDEO LUCILLE MRS
3945 GILLIAM DONALD •
3946 VEZUELA EDW
3951 LAROYA CIRIANO
3952 MORRIS CLIFFORD C • PA2-1668
3955 CHIN RONALD • PA3-9669
3958 WEATHERLY RUSSELL • PA2-0618
3961 HILLIS BUZZ PA2-2959

---42D AV S INTERSECTS

207
SW EDMUNDS ST -FROM DUWAMISH WATERWAY WEST INTERSECTING W MARGINAL WAY SW AT 4700

---ZIP CODE 98106
---12TH AV SW INTERSECTS
---W MARGINAL WAY SW INTERSECTS
---14TH AV SW INTERSECTS
---15TH AV SW INTERSECTS
---PUGET BLVD SW INTERSECTS

247
---21ST AV SW INTERSECTS
---22D AV SW INTERSECTS
---23D AV SW INTERSECTS
---DELRIDGE WAY SW INTERSECTS
2402 TERRIEN DALE G
---25TH AV SW INTERSECTS
---26TH AV SW INTERSECTS

245
---35TH AV SW INTERSECTS
---36TH AV SW INTERSECTS
---37TH AV SW INTERSECTS
3718 CAMPAGNARO JOSEPH • WE5-0143
3719 ECHIS PETER A • WE7-5812
---38TH AV SW INTERSECTS
---ZIP CODE 98116
---39TH AV SW INTERSECTS
---40TH AV SW INTERSECTS
---FAUNTLEROY WAY SW
---INTERSECTS
4017 LANTZY WM E • WE2-0819
4023 HOGAN DORSEY A • WE5-6684
---41ST AV SW INTERSECTS
4103 O'BRIEN JAMES J WE7-4813
---42D AV SW INTERSECTS
4200 PEOPLES NATIONAL BANK OF WASHINGTON (W S MTR BR) 344-4574
4215 CHANDELIER APARTMENTS THE WE2-8640
101 CAMPBELL EVA WE5-4359
102 WRIGHT MAUDE WE7-6793
103 NOYES ALICE L WE5-8158
104 O'MEARA MARGUERITE WE2-9227
105 BOLTON IDA M MRS WE2-7789
106 POYNTER DOROTHY K MRS
107 HUNT ELIZ A
108 HOOVER ELLA MRS
109 PULEY FRED H WE2-8640
201 LARANA EVA B WE7-9094
202 RANSTAD CAROLYN W WE7-1615
203 FOLSON ALICE MRS
204 WINSOR AMANDA C MRS WE7-9020
205 MURRAY MARION MRS WE5-9964
206 SAUER ARTH
207 LANGSCHMIDT FRANK WE5-9261
208 FJORLO DINA MRS WE2-0392
209 BROWN MARY E WE7-0622

990
---CALIFORNIA AV SW INTERSECTS
4301 KEPPERS FISH & CHIPS RESTR & TAKE OUT WE8-1515
4321 MARKEL RALPH •
4327 MITCHELL ROBT S WE2-4211
---44TH AV SW INTERSECTS
4401 KITTRIDGE RICHD WE8-3222
---RUTAN PL SW INTERSECTS
4420 SVEHAUG RALPH J • WE7-0493
4421 VACANT
---45TH AV SW INTERSECTS
4518 LANGLEY GEO R • WE2-8774
---46TH AV SW INTERSECTS
4614 SAN CLEMENTE M RONALD • WE7-7419
---47TH AV SW INTERSECTS
4707 AITCHISON LARRY • 938-3261
4708 AUSTIN EDWIN C • WE7-8136
4720 STUMPF ELSIE MRS • WE2-4593
---48TH AV SW INTERSECTS
4816 NO RETURN

241
---49TH AV SW INTERSECTS
---50TH AV SW INTERSECTS
5004 STANLEY RICHD S • WE5-6061
5016 DUNCAN DALTON D • WE5-9730
5022 GEDNEY ASA L • WE5-4202
5405 OLSON R W WE7-3412
---51ST AV SW INTERSECTS
---51ST PL SW INTERSECTS
---52D AV SW INTERSECTS
---54TH AV SW INTERSECTS
---55TH AV SW INTERSECTS
---BEACH DR SW INTERSECTS

193
EDWARD DR S -FROM 9000 CECIL AV S WEST AND SOUTHWEST

---ZIP CODE 98118
---S BARTON INTERSECTS

268
NW ELFORD DR -FROM INTERSECTION OF 8TH AV NW AND NW 135TH WINDING NORTHWEST AND WEST

---ZIP CODE 98177
800 KREMER LESLIE A • EM4-1099
830 BROWN HAROLD G • EM3-9782
850 PAULSON JAY N •
853 NORTH DOUGLASS C • EM2-3672
872 DUCKERING RICHD E • EM3-2030
875 GUTTORMSEN GED C • EM3-1853
890 PROVINE ELLIS F • EM2-7364
893 FERBER WERNER F •
895 WHITTLESEY MAX B • EM3-2053
899 SERR WILLIS B • EM3-4697
930 STRECKER OWEN E • EM4-2144
945 CHAMBERS RALPH F • EM3-3388
950 VERANTH CHARLES O • EM4-1553
962 GILBERT WM N • EM3-4642
970A MENCONI LAURA P MRS • EM2-5476
970B HARMS KENNETH K EM3-4595
980 VONADA NEAL E • EM5-4340
1001 FROBERG ERIK • EM4-1832
1008 BRANDT OTTO P EM2-2138
1022 BOWLUS HAROLD H • EM2-8881
1023 REYNOLDS JOHN J • EM3-2854
1031 VACANT
1039 KAMINS SELWIN • EM3-3545
1100 HOFER AMOS C • EM3-1605
1109 DENNY HAROLD M • EM2-4756
1217 MORGAN ALLEN B • EM4-1956
1219 SWANSON HENRY E • EM2-9181
1225 STEWART PHILIP A • EM4-5616
1249 KAMINS ARMOREL MRS • EM2-0099
1290 SCHEUMANN RICHD • EM3-1481
1291 KANE W JEROME • EM3-6222

981
S ELIZABETH ST -FROM 6500 ELLIS AV S EAST

---ZIP CODE 98108
1104 SHIREY ESTELLE H •
RO3-2176
1110 CANDA RANNIE J • RO7-4190
1116 VACANT

154
NE ELK PL -FROM 8214 LATONA AV NE EAST

---ZIP CODE 98115

72
ELLERAY LA NE -FROM INTERSECTION NE WINDERMERE RD, NE KESWICK DR & NE AMBLESIDE RD

---ZIP CODE 98105
5405 BLUME WM B • LA3-5189
5424 WEBB ARTH W • LA4-0116
5425 YOUNG FOSTER LA4-8994
--- NE 55TH ST INTERSECTS

327
ELLINOR DR W -FROM 2450 MONTAVISTA PK W NORTHWEST

---ZIP CODE 98199
---39TH AV W INTERSECTS

946
ELLIOTT AV -FROM LENORA NORTHWEST TO BELL ST

---ZIP CODE 98121
---BLANCHARD INTERSECTS
2226 BOYSEN PAINT CO WHOL PAINT MA3-1714
2226 BRODIE HOTEL SUPPLY (ACCT OFC) MA3-8940

947
---BELL INTERSECTS
2300 BRODIE HOTEL SUPPLY INC RESTR SUPS MA3-8940
2314 SAMATH APARTMENTS MU2-1854
1 VACANT
3 PARKE W M
5 WINFIELD BILL
6 WINKLE HOMER
7 VACANT
8 DYE DWIGHT C
9 PULZM AL
10 VACANT
11A JENSEN HARRY MU2-1854
12 RUBICH MARTIN J MA4-9626
14 SMITH ADALINE MA3-3799
15 AMUNDSON BERNICE
16 PERSUKE JAMES
2328 LOOMIS ARMORED CAR SERVICE INC (DIV LOOMIS CORP) MU2-5193
---BATTERY INTERSECTS
2408 PERFECTION SMOKERY INC CANNERS MA3-3845
2422 PERFECTION SMOKERY (WHSE)

948
---WALL INTERSECTS
2500 SKYWAY LUGGAGE (STGE) MA3-5300
2512 EARP RALPH D
2512A FINK RONALD J
25128 LINAM HARVEY
2516 VACANT
2516½ VACANT
---VINE ST INTERSECTS
2601 AMERICAN CAN CO MFRS MA3-8100

949
---CEDAR INTERSECTS
2700 VACANT
2708 NORTHWEST PROTECTIVE SERVICE INC MA2-4040
2718 SOUND ELEVATOR CO MFRS MA2-1653
---CLAY INTERSECTS
2801 OLD SPAGHETTI FACTORY RESTR MA3-3520
2819 TERRY ROLAND A I A & ASSOCIATES ARCHITECTS MA3-7045

950
---BROAD ST INTERSECTS
2901 LASATER CHARLES A CO AUTO FRT MA3-3811
2902 UNION OIL CO OF CAL (WHSE)
3001 UNION OIL OF CALIFORNIA (WHSE) MU2-7611
UNION OIL CO OF CALIFORNIA (PLANT) MU2-7611
---BAY ST INTERSECTS
3101 GRINNELL CO OF THE PACIFIC (FIRE PROTECTION DIV) SPRINKLER SYS AT4-8440
GRINNELL CO OF THE PACIFIC (SHIP & REC DEPT)
3126 NORTHWEST SALES (STGE)
3130 PHILLIPS SCALE CO DISTRS AT4-6090
3144 NORTHWEST SALES CO (SHIP & REC DEPT)
3150 NORTHWEST SALES CO COIN OPR MACHS AT4-8030
3155 TAPE DISPENSERS NORTHWEST MFR REP AT2-4414
DELUIS T E CO MFR REP AT2-4414
SMITH WILLARD INC INSULATING CONTRS AT4-4435
3157 DISCOUNT OFFICE FURNITURE MART OFC EQUIP AT3-4440

969
ELLIOTT AV W -FROM W 100 DENNY WAY NORTHEAST

---ZIP CODE 98119
100 MUSIC-VEND DISTRIBUTING CO AT4-7740
BUSINESS MUSIC CO MUSIC VENDERS AT4-2630
105 WEBER NORTHWEST AT2-6777
WEBER SHOWCASE & FIXTURE CO AT2-6777
MODERN REFRIGERATION CO AT2-6777
105½ NO RETURN
106 AMUSEMENT SERVICES INC VENDING MACHINES AT4-7740
114 AMUSEMENT ASSN OF WASHINGTON (SUPPLY DEPOT) AT4-8930
122 FAIRBANKS HARLAN CO POPCORN AT4-7420
126 DWYER EDWIN C CO INC PRNTRS SUPS AT4-8770
130 BELL & HOWELL BAUM FOLDER MFRS AGT AT3-6770
BELL & HOWELL PHILLIPSBURG CO INSERTING AND SEALING EQUIP AT3-6770
CHARNSTROM W A CO MAIL BAG HOLDERS AT3-6770
DANNER PACKAGE TYING EQUIPMENT PACKAGING CRATING & SHIP AT3-6770
MAILERS AUTOMATIC ENCLOSING SERVICE AT3-6770
---2D AV W INTERSECTS
---W JOHN ST INTERSECTS
201 WESTERN FARMERS ASSN WHOL POULTRY AT4-8500
208 BLACK ANGUS STEAK HOUSE AT2-1700
220 ELLIOTT AVENUE SHELL SERVICE STATION AT2-9990
---3D AV W INTERSECTS
---W THOMAS ST INTERSECTS
300 STEREO TAPE SOUND AT4-4020
318 STANDARD STATIONS INC (BR) AT4-9904
333 IVAR'S CAPTAINS TABLE RESTR AT4-7040
---4TH AV W INTERSECTS
350 VIOLET'S HAMBURGER SHANTY RESTR AT4-9935
361 PHILLIPS J W DISTRIBUTING CO WHOL HSEHOLD APPLIANCES AT4-5010
NORTH PACIFIC COMMERCIAL EQUIPMENT INC WHOL LNDRY EQUIP AT4-2250
375 OCEAN HOUSE THE AT4-9983
---W HARRISON ST INTERSECTS
401 MARVIN JOHN H CO POWER PLANT EQUIP AT4-0331
MC COOL MC DONALD & ASSOCIATES AT4-1651
410 DISC CITY ONE STOP RECORDS AT2-7555
411 BACON HENRY INC BLDG MTLS AT4-7844
444 GOODYEAR SERVICE STORE TIRES AT4-0600
475 PACIFIC PUTTY CO MFRS AT4-8765
TIMESAVER PRODUCTS CO INC ABRASIVES AT4-8765
481 DOYLE PLUMBING SUPPLY CO WHOL AT4-7460
487 VACANT
---W REPUBLICAN ST INTERSECTS
---5TH AV W INTERSECTS
500 SKI'S ENCO SERVICE AT4-5566
535 LUMBER SUPPLY & WAREHOUSE CO AT4-8530
SEATTLE PNEUMATIC TOOL CO MFRS AT4-8464
544 TIKI HUT RESTR AT4-6020
SHELL ROOM COCKTAIL LOUNGE
545 BLACKSTOCK LUMBER CO INC AT4-1313

317
---W MERCER ST INTERSECTS
---6TH AV W INTERSECTS
600 RENT-IT-SHOPS TOOLS AT2-8300
601 HUMANE SOCIETY INC THE AT4-8080
602 TAYLOR BUILDING SERVICE MASTER OF SEATTLE INC HSE CLNS AT4-6121
DATA CARD INC AT4-0585
JENSEN MARK MFG AGT AT2-8590
612 TAYLOR BRAKE INC AT4-8610
614 PAINT COUNSELORS INC AT4-8187
R C CHEMICALS INC AT2-2446
---6TH AV W INTERSECTS
630 HALE SAM LUMBER CO AT4-8377
635 CONSOLIDATED DAIRY PRODUCTS CO WHOL AT4-7220
DARIGOLD FARMS OFC AT4-7220
NORTHWEST DAIRYMEN'S ASSN AT4-8120
NORTHWEST DAIRY NEWS AT3-7949
UNITED DAIRYMEN'S ASSN AT4-7220
652 DOHERTY JOHN T & ASSOCIATES MFRS AGTS AT4-1771
---W MERCER PL INTERSECTS
---W ROY ST INTERSECTS
900 PACIFIC APPLIANCE CO ELEC APPLS AT3-2131
901 AMERICAN CONSERVING CO FOOD PROCESSING AT2-1020

SHELL PURE OIL

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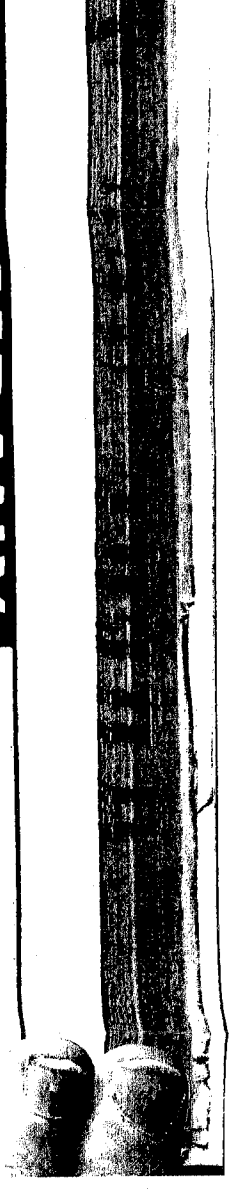
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MARINE — DIESEL — DAY AND NIGHT SERVICE

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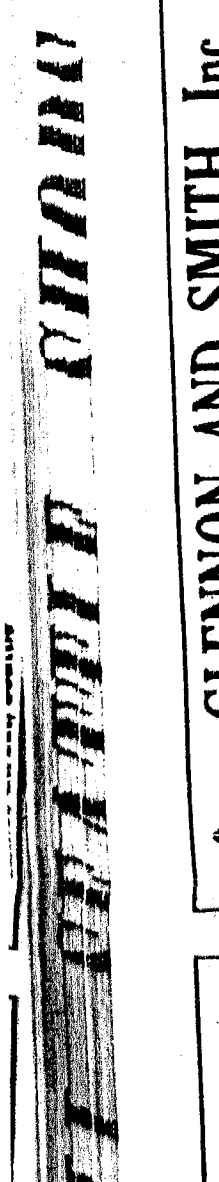
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9241 Greenwood Avenue North, Seattle Phone SUnset 4-4600

MARSH & McLENNAN Inc. OF WASHINGTON
INSURANCE
AVERAGE ADJUSTERS - CONSULTING ACTUARIES
8th FLOOR NORTON BLDG., 801 2nd AVE. TELEPHONE MAin 4-7900

ELLIOTT AV W—Contd
902 CONTRACT FURNITURE INC WHOL AT3-9100
9088 RECORD A CALL ANSWERING SERV AT2-5242
910 CHURCH OF SCIENTOLOGY AT4-3650
919 VACANT
920 CROUCH ORNAMENTAL IRON WORKS AT2-2100
921 BETTER BILT FURNITURE MFG CO AT2-3763
VINYL-TEX OF WASHINGTON INC SIDINGS AT4-2350
934 INSTRUMENT LABORATORY INC INSTR REPR AT3-5850
945 INTERPACE CORP WHOL• BLDG PRODUCTS AT2-0330
954 COOPER-BESSEMER CO (DIV COOPER INDUSTRIES INC) DIESEL ENG MFRS 283-8777
963 SHORE LUNCH RESTR
965 CONSOLIDATED FUEL & HEATING CO OIL AT2-4380
REAR VACANT
1024 APARTMENTS
1 VACANT
2 CARLSON HILMER
3 BUSHMAN PETER B
4 VACANT
1030 KOLLMAR SHEET METAL WORKS AT3-2330
1038 WILSON MACHINE WORKS AT2-7560
1039 PACIFIC COAST HEMPHILL OIL CO FUEL OIL AT4-2300
1041 BANNER CLEANERS AT3-7591

997
---PROSPECT ST INTERSECTS
1110 HOME OIL CO THE FUEL AT2-8000
1111 QUENCH BOTTLING CO INC AT3-7700
1121 ACE TANK & WELDING CO (ANNEX)
1124 ACE TANK & WELDING CO MFRS AT3-5650
1135 ACE TANK & WELDING CO WLDG SHOP AT4-7780
1140 ROGERS OLYMPIC CORP (PLANT II) IRON & STEEL
1143 ACE TANK & WELDING CO (ANNEX)
1144 ROY ROGERS RESTAURANT RESTR DRIVE-IN AT4-9866
1170 HERBY'S RESTAURANT RESTR DRIVE-IN 285-1564
1400 ROBINSON DISTRIBUTING CORP HSEHOLD APPLS AT4-8400
1405 FRITO-LAY INC CORN CHIPS AT3-1330
1408 ELLIS DOROTHY DONEY ANIMAL HOSPITAL AT2-1961
1415 FEDERAL PACIFIC ELECTRIC CO ELEC EQUIP MFRS AT3-7800
1417 FEDERAL PACIFIC ELECTRIC CO (CUSTOMER SERV CENTER) AT3-7800
1418 SMITH & SON WRECKING CONTRACTORS INC AT4-6871
1430 MODERN PRODUCTS INC PLASTIC BOTTLE SILK SCREENING AT2-5441
PROFESSIONAL PRODUCTS WHOL TOILET PREPARATIONS AT2-0341
RUNNELS CO INC WHOL TOILET PREPARATIONS AT2-0341
WESTERN PACIFIC CHEMICAL LABORATORIES INC TOILET PREPARATIONS MFRS AT2-0341
1436 DONLEY BLOUSE'S INC MFG AT2-6155
1437 HILTON CANNING CO INC WHOL AT3-4388
HILTON SEAFOOD CO INC WHOL AT3-4388
1441 HILTON SEAFOODS (WHSE)
1451 PENNZOIL CO WHOL OIL AT2-0840
1452 WESTERN TOURS INC (MTCE SHOP) AT4-0460
1460 LOWE'S AUTOMOTIVE & CYCLE CENTER
1461 HAYS MERCHANDISE INC TOYS WHOL AT4-7004
1476 LEE ALBERT FURNITURE & APPLIANCE CO AT2-2110
---W GALER ST INTERSECTS
---15TH AV W INTERSECTS
1501 BILL'S PHILLIPS 66 SERVICE STATION AT2-9954

981
ELLIS AV S —FROM 1200 S BAILEY SOUTHWEST
---ZIP CODE 98108
6201 ED'S UNION SERVICE GAS STA RO2-9712
6204 HOME MASONIC TEMPLE RO2-9878
CROWN CIRCLE NO 326 (PEAM)
HOME ASSEMBLY NO 26 ORDER OF RAINBOW GIRLS RO2-9878
HOME CHAPTER NO 193 (OES) RO2-9878
HOME LODGE NO 100 (AF&AM) RO2-9878
REBEKAH LODGE NO 259 RO2-9878
SUNLIGHT COURT (ORDER OF AMARANTH) RO2-9878
6219 ZAMICHOWSKI ELLA MRS • RO2-8302
---S ANGELO INTERSECTS
6220 BYRD JOHN A • RO3-0259
6221 WALTZ GLORIA J MRS
6225 KRAUT MARGT L MRS •
6253 LA FRENIERE ALFA MRS • RO7-4613
6257 QUINN HAZEL M •
6258 FRASER EROLLE RO3-1718
6263 PITZER ROY RO7-3410
6264 LOZZI DINO A • RO3-2388
6267 GJERDRUM OLAF • RO7-4294
6271 GREEN HENRY •
6272 BURKEY PAUL R RO3-2907
6273 OLSON GARY • RO2-8961
6276 FURNITURE (STGE)
6279 TROMBLEY ALBANA MRS
6281 LIDNIN OLGA M • RO2-7599
6285 PISTORESI PETER • RO7-3619
6286 SWEENEY THOS F • RO3-2714
6287 CAFFELL HENRY R •
6306 SANTINI EMIL •
6309 DRAKE ALBERT E • RO3-1565
6310 VACANT
6311 NO RETURN
---S ALBO PL INTERSECTS
6404 ROSSO JULIUS WHOLESALE NURSERY CO RO3-1888
6409 BALDOZ ROGER RO3-9835
6415 LOVEJOY ROBT W VACANT
---S ELIZABETH INTERSECTS
6421 WHITTAKER NASTASIA MRS • RO3-1509
6501 COLLIER ROBT L RO3-2697
6507 MCFARLANE ROBT RAGSDALE LOUISE RO3-9560
6511 VACANT
6511A HURLEY JAY RO7-4697
6511½ VACANT
6517 NO RETURN
6523 SOUTH END FURNITURE USED RO2-8200
6525 PEROVICH BROS FUEL HEATING OILS RO2-7766
PEROVICH BROS SERVICE GAS STA RO2-7766
---S WARSAW INTERSECTS
6603 FISCHER CLIFFORD C • RO3-2875
6631 SHOEMAKER ALBERT P • RO7-3009
6633 REZEK DONALD M • RO7-4811
6637 KISLO GEO T RO3-0909
6643 ELLIS ODELIA MRS • RO3-2848
6649 WARD GLEN •
6653 VACANT
6657 CRAMER MARY V •
6661 NO RETURN
6665 GIRD ELIZ J MRS • RO7-3054
6701 TON JOSEPH L •
6705 LUFFMAN MAUD MRS • RO3-2326
6715 SHOEMAKER RICHD P • RO3-1482
6719 KEPPLER HERBERT G • RO7-3518
6721 COLES FRANCIS W • RO7-3035
6725 MARTINI KATH E •
6731 COULTER EARL C • RO2-8417
6733 BOYCE WILLFORD H • RO3-0317
6736 STATE AIR NATL GUARD RO7-4420
6737 MC CLAIN WICKEY
---S WILLOW INTERSECTS
6901 VERMEIRE RENE • RO2-8279
6909 PARROTT FREIDDA C MRS • RO3-0604
6915 VACANT
6921 PEGGIA DELFINA M MRS • RO3-0488
6929 LARSON CLAUDIA J MRS RO7-7688
6932 FIRE STATION NO 27 RO2-8212
6933 HIROTSUKA CAROLYN S
6937 BOOTH WM
6945 HELFERT MICHL RO3-0362
---S MYRTLE INTERSECTS
---MARGINAL WAY S INTERSECTS
7108 BURGY'S RESTR RO2-4661
---MARGINAL WAY S INTERSECTS

213
ELM PL SW —FROM 1106 CALIFORNIA PL SW SOUTH
---ZIP CODE 98116
1107 COLES THOS G JR WE5-2513
1109 PURDEY BARBARA A F • 938-5713
1119 CLEARY ROBT W • WE7-7435

271
S ELMGROVE ST —FROM 8100 2D AV S EAST
---ZIP CODE 98108

203
---5TH AV S INTERSECTS
527 CRESCENT SHEET METAL INC SHOP RO7-3020
---7TH AV S INTERSECTS
711 GILINSKI BENJ RO7-3985
714 BATES JAMES N •
720 CROSBY RUBY E MRS •
726 PELLA EMMA L MRS RO3-2571
727 DALZELL FREDK C RO7-4223
730 MILLER MARIAN
733 DINGUS B A RO3-8695
736 KILLION LARRY • RO7-4305
737 EGAN FRANCIS • RO2-2277
740 GENDREAU OLIVER RO2-4007
741 VACANT
746 SCHLOSSER NEIL L • RO3-2535
749 BELCHER CARL A • RO2-8644
---8TH AV S INTERSECTS
839 SOUTH PARK GREEN HOUSE NURSERYMN RO3-0747
ARAKI TORU • RO3-0747
---10TH AV S INTERSECTS
1015 HELGESON ROY E • RO3-1348
1016 VACANT
1022 GENOVESE ASUNTA MRS • RO3-0903
1025 PERSONS JERRY G • RO2-2762
1029 DICKERT O PHILLIP • RO7-4795
1033 OSBORN IRENE C MRS • RO7-3276
1037 POORE TRACY E • RO3-0905
1040 BRYCE WAYNE G
1046 CURTIS JAMES F RO7-3309
1049 PRUSIA RON L RO2-2189
1054 BOND DANNY L REMESNIK CHRIS MRS
1055 PLUNTREE DON G
---DUWAMISH WATERWAY CROSSES

173
---EMPIRE WAY S INTERSECTS
3945 HANSFORD WM PA2-7835

181
---50TH AV S INTERSECTS
5004 HELLROTH J A • PA2-0656
5007 HEINS HOWARD M JR PA3-4585
---RAINIER AV S INTERSECTS

273
SW ELMGROVE ST —FROM 8100 4TH AV SW WEST
---ZIP CODE 98106
---5TH AV SW INTERSECTS
---6TH AV SW INTERSECTS
---7TH AV SW INTERSECTS
---8TH AV SW INTERSECTS
---9TH AV SW INTERSECTS
---10TH AV SW INTERSECTS
1003 GOODALE GEO W • RO3-8289
1009 SHERBON FRED S • RO3-2417
1010 HOUSTON RICHD T •
1014 PARKER ANN L MRS • RO2-8234
1015 KELLY EDMUND L • RO3-0998
1025 RAHEY JACK A • RO2-2472
---11TH AV SW INTERSECTS
1102 MACIAS JEAN M MRS • RO7-4394
1107 STEWART LLOYD E • RO7-4035
1110 STEELE JAMES R •
1117 SUVER EULALIA D MRS • RO2-8891
---12TH AV SW INTERSECTS
1218 GILE CARL D • RO2-9256
---13TH AV SW INTERSECTS
1310 TWETEN LOUIS A • RO7-3984
1314 OLASEN WM RO7-3993
---14TH AV SW INTERSECTS

277
---16TH AV SW INTERSECTS
---17TH AV SW INTERSECTS
1702 EMERICK EDWIN L • RO7-3998
1708 ROWLEY ELIZ A MRS • RO2-8848
---18TH AV SW INTERSECTS
1802 EUGG RICHD A • RO3-8220
1808 HELLUM HENRY H • RO7-6927
1823 HEPPELL RANDALL L • RO7-5404
---20TH AV SW INTERSECTS
2202 OSAKI TOM H • RO7-5664
---DELRIDGE WAY SW INTERSECTS

281
---27TH AV SW INTERSECTS
2703 ALVARADO RUDY • 935-3866
2706 COTTER WM J • 937-4287
2711 SCHATTENKERK DAVID A 932-7317
2712 KOSEL FREDA MRS MRS • WE2-4030
2716 TOKIN ALBERT L • WE2-2716
2717 PICKETT MARJORIE MRS • WE5-0827
2722 CHANEY SAML L • WE7-6030
2723 BARTOL EUG F • WE7-3619
---28TH AV SW INTERSECTS
2809 BUCK FREDK S • WE7-1905
---29TH AV SW INTERSECTS
---30TH AV SW INTERSECTS
3007 VACANT
3011 DORNBUSCH LEON S • WE5-9812
3012 ELLIOTT BARTON E • WE5-9734
3017 LOASCO P S • 932-8432
---31ST AV SW INTERSECTS
---32D AV SW INTERSECTS
---33D AV SW INTERSECTS
---34TH AV SW INTERSECTS
---35TH AV SW INTERSECTS
3515 ROWLANDS JOHN W • 932-9145
3518 SCHWABER JACK • WE2-8519
3519 WOLFORD LOVELL H • WE2-4963
3524 FIELDSON MARY E MRS • WE2-6085
3527 SCHINDEL HARRY W WE2-0660
3530 WRIGHT HELEN I MRS • WE2-4304
3533 SCHUSSLER KARL F • WE5-3624
3534 TAYLOR MARK S • WE5-5223
3540 MUNSCH HENRY •
3541 KATT MARIAN B MRS • WE2-2328
3544 COLLIER LEWIS M •
3545 JONES A W • WE2-2358
---37TH AV SW INTERSECTS
3711 LAWRENCE THEO M • WE5-8779
3712 FOSSE LEE G •
3716 STROMBERG VELTA M MRS • WE7-8680
3717 GREEN CARTER H • WE5-7611
3723 MC GRUDER TERRY J 935-3094
3724 AHO ERNEST A • WE5-5364
3726 KIRK JOB H •
3727 ACEY BARBARA J WE5-8344
3731 TAYLOR DONALD A 938-0187
3732 GOEBEL WM A • WE2-6765
3735 VACANT
3738 ZILKE ROBT W • WE7-0890
3743 RICE MARGT E MRS •
3747 VAN HOOSE MYLA L • WE5-4793
3748 BECCARD HAROLD • WE5-2067

283
---ZIP CODE 98116
---39TH AV SW INTERSECTS
3900 MORTENSEN DONALD M • WE5-2516
3906 COUDEN WM H • WE2-7122
3910 WOLFE RICHD G • WE2-4060
3915 BOSTWICK MARJORIE •
3916 HEYER FRED C • WE2-0983
3921 ROE CHARLES C • WE2-3684
3924 SKUTLEY RAYMOND N WE7-2712
3928 BOLDT JACOB • WE2-2874
3929 COX FRED • WE8-4458
3932 BOYER LOIS MRS WE7-8431
3935 NO RETURN
3939 COMBS TERRI L • WE8-1269
3942 WEEKS LLOYD R • WE2-5872
3944 MC ALPINE FREDK W • WE2-5770
3945 BATTERSON RUSSELL WE7-6120
3951 WOOD WAYNE G • WE5-0690
3957 ABRAMOWICZ ALEX
---41ST AV SW INTERSECTS
4102 TOOMBS GLADYS A REV MRS • WE5-8314
4106 HARTNETT DOUGLAS W • WE2-4568
4110 LYSHALL ARNOLD P • WE7-7691
4115 VACANT
4118 SIMMONS DORA MRS • WE5-0188
4122 SKINNER CHESTER • WE5-1711
4123 WEBB TIRZAH E MRS • WE2-6084
4128 LOVRE BENNIE • WE5-0046
4131 YOUELLO ROY • WE2-0959
4132 JOHNSON ROBT N • WE2-5086
4136 SEARS ERNEST D • WE2-0226
4137 SMITH PAUL S • WE2-3879
4141 JOHNSON JAMES E WE7-3168
4142 CRAWFORD M E WE5-6246

337
W ELMORE PL —FROM 28TH AV W AT ELMORE WEST
---ZIP CODE 98199
2803 HUBBLE HARLEY
2806 KOTICH WM O AT4-9095
2809 ARVETT EDLA Y MRS • AT2-6934
2812 MC GETTIGAN EVELYN MRS • AT2-8977
2815 SHARP CARL C • AT3-5791
2816 HOLT BENJ C • AT3-4525
2819 HEFT EVA E • AT3-0968
2822 FARAUHAR B W AT4-6548
2825 VACANT
2828 DECOURSEY ROLAND J • AT2-5241
2831 ROWLEY DAVID A AT3-9934
2832 PUGH MELVILLE F JR • AT2-8512

337
W ELMORE ST —FROM 4200 21ST AV W WEST
---ZIP CODE 98199
2122 LOTHROP BUSINESS FORMS AT4-8700
---22D AV W INTERSECTS
2200 HADLEY L F & ASSOCIATES MFRS REP AT4-0207
2209 MC GILL RUTH MRS AT4-0582
---23D AV W INTERSECTS
2308 HALL VERN L • AT2-0261
---GILMAN PL W INTERSECTS
---BNRY TRACKS INTERSECTS
---GILMAN AV W INTERSECTS
2515 VACANT
---BURTON PL W INTERSECTS
---26TH AV W INTERSECTS
---27TH AV W INTERSECTS
2702 THOMPSON RUSSELL T AT2-6824
2703 FLETCHER ARNOLD A • AT3-1903
2706 HICKMAN ERNEST K • AT3-9433
2714 STEELE FRANK • AT4-6641
2715 HAYDEN WM B • AT3-2476
2718 MARQUIS MARION A • AT3-9128
---WILLIAMS AV W INTERSECTS
---28TH AV W INTERSECTS
2801 RATHYI DAVID F
2805 SANTORO HIRIKO • AT2-6658
2806 JUSTIN MARTHA MRS
2809 NO RETURN
2812 NO RETURN
2815 CARDS EMMETT W • AT3-7969
2816 WOODS GARY T AT4-6669
2819 WESTOVER EVELYN F MRS • AT2-4938
2822 MC KINNON MRS •
2825 SKEMAN MARK C • AT3-2572
2829 ZUARRI ANDREW E • AT3-7635
2835 ALLEN JAMES L • AT3-5036
---29TH AV W INTERSECTS
2907 HEMSTEAD CLAIRE 282-1388
2910 HAWLEY RUSSEL C • AT4-7716
2915 CAFFIERE LESLIE L AT3-6638
2921 OLSON CHRIS • AT3-4791
---30TH AV W INTERSECTS
3010 GREENOUGH OWEN E • AT2-4274
3016 GRANARD DENNIS P • AT4-0706
---31ST AV W INTERSECTS
3100 MARCUS HARRY • AT2-5513
3108 BONNER FRANK R • AT3-9412
3114 METCALF RONALD G AT4-2947
---32D AV W INTERSECTS
3208 MC KAY PATRICIA AT4-2213
3208 VACANT
3217 MUNGAAS EDITH J MRS • AT3-1698
3221 LA RUSSA JOHN J • AT2-7280
---33D AV W INTERSECTS
3301 CONRAD IRMA • AT2-8045
3302 JONES ROY E • AT2-0482
3308 BRUNETTE WM J •
3309 BOWLEY TONY • AT3-1967
3317 NAVLET JACK M • AT4-8862
---34TH AV W INTERSECTS
3411 NO RETURN
---35TH AV W INTERSECTS
3510 TWIN CEDARS APARTMENTS
1 WILCOX H O JR AT4-7647
2 NO RETURN
101 DE COURCEY DENNIS G AT4-0543
102 OESTING D W
103 WEEKS JUNE AT4-9062
201 NO RETURN
202 KRUEGER W C
203 GAJKOWSHI S H
---36TH AV W INTERSECTS

79
S ELMWOOD PL —FROM 1100 27TH AV S EAST
---ZIP CODE 98144
2708 DUDLEY ROBT EA9-7908
WILSON ROY E EA2-7945
2711 ALEXANDER CARRIE • EA5-6723
2712 PASTER JOSEPH • EA2-4186
2713 GALVAN CLEMENTE V • EA5-2428
2715 RUSSELL EUG P • EA5-3152
2716 WELLS RUDOLPH L

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SEATTLE TRADE CENTER—Contd
3209 Smith Phil Imports whol pottery & ceramics 624-9288
3213 Michel's Jeans (Sub Ofc)
3215 H A S H Jeans jeans whol 622-9899
3217 Lind Roy S mfg rep-childrens clo 622-6799
3217 Lurie Sylvia mfg rep-childrens clo 622-6799
3225 Mc Dowell Rex mfrs rep 623-9078
3229 Hone Ellen mfg rep-jwlry 623-7414
3229 Hone James mfg rep-jwlry 623-7414
3231 Daley & Associates mfg rep-jwlry 622-3353
3301 Hartshorn Ed mfg rep-childrens clo 283-4652
3301 Hartshorn Fran mfg rep-childrens clo 283-4652
3307 Palladius Nestor mfg rep
3307 Robbins Paladius Childrens Wear mfg rep 622-3572
3308 Vacant
3309 Linne Dani mfg rep-childrens clo 622-4897
3309 Linne Lorraine mfg rep-childrens clo 622-4897
3311 Gingera Anne mfg rep-childrens clo 623-1444
3313 Wennberg Timothy mfg rep-childrens clo
3314 Webb Vance W mfg rep-childrens clo 622-4232
3316 Roger Jack mfg rep-childrens clo 622-6917
3316 Roger Lucy mfg rep-childrens clo 622-6917
3317 Health Tex childrens clo 622-9900
3318 Nolan John mfrs rep 622-5835
3318 Nolan Susan mfrs rep
3321 Carters childrens clo 682-7650
3322 Ostheller Carol mfg rep-childrens clo 682-7280
3323 Payne Dennis K mfg rep-childrens clo 624-0400
3326 Donaldson Frank B Jr mfrs rep 623-5709
3328 Vaughan Ginny mfg rep-childrens clo
3328 Vaughan Dale mfg rep-childrens clo 624-3039
3329 Nasslow Fat mfg rep-childrens 624-8667
3329 Nasslow Ron mfg rep-childrens clo 624-8667
3330 Lotzkar Nettie J mfg rep-childrens clo 622-0585
3330 Lotzkar Norman N mfg rep-childrens clo 622-0585
3333 Norman Lollie & Associates childrens clo mfg rep 823-5550
3337 Nannette childrens clo
4101 Vacant
4103 Oppenheimer Associates linens whol 623-9258
4104 Rosenberg Sid mfrs rep
4014 Ringstad David mfrs rep
4106 Larsen Ray mfrs rep
4107 Goldsmith Sales Assn whol dry gds 623-7669
4110 Vacant
4111 Rahman Raza mfrs rep 682-2121
4112 Moldstad Karen mfrs rep 682-5412
4113 Snow Shoe Agency 622-2086
4119 Sparks Carl mfg rep-wns shoes whol
4115 Wilson Leo mfrs rep 682-6858
4116 Vacant
4117 Dahle Shoe
4118 Witherspoon Rex mfg rep-mens clo whol 682-5988
4119 Troup David mfrs rep 623-7719
4120 Vacant
4121 Croano Michl mfrs rep
4121 Ekorenrud Louis S mfrs rep 625-9311
4122 Vacant
4123 Hartenbower & Pearsall mfr rep 623-2058
4124 Mushrooms-Div Of R G Barry clo 622-2786
4125 King Walter mfrs rep
4126 Hoelscher Bud mfrs rep 624-4715
4126 Sticky Fingers whol jeans 624-6691
4127 Griffin-Drinkard Associates mfrs reps 624-3296
4128 Seffens Wm mfrs rep 455-4508
4132 Baumann Michl mfrs rep
4132 Mc Clinton Hal mfrs rep
4133 Hall Larry mfrs rep 682-5220
4133 Hall Sandy mfrs rep
4135 Steinberg Brothers mfrs rep 624-3777
4136 Vacant
4138 Howard Karen mfrs rep 624-3478
4138 Howard Richd mfr rep
4136 Sleezer Wendy mfrs rep
4139 Seefreid James A Co mfg rep-mens clo whol 623-4117
4142 Day's Sportswear sportswear whol 682-0098
4145 Brittania sportswear whol 623-0811
4148 Lapin Gary mfg rep-mens clo whol
4149 Klfer Joel mfrs rep
4150 Johnson Glenn E mfrs rep 622-0770
4151 Goodman Andrew mfg rep-mens clo whol 623-3660
4152 Blaine Denny mfg rep-mens clo whol
4155 Barker Rex mfg rep-mens clo whol 623-9919
4155 Halvorsen Dennis mfrs rep 682-5072
4156 Bowerman Perry mfg rep-mens clo whol 625-9326
4157 Pritchett Phil mfrs rep
4158 Teague Wm mfg rep-clo whol 682-4387
4159 Ginsberg Ronald mfrs rep
4160 Mac Dougall Barbara mfrs rep 622-3393
4161 Bon Homme mens wear whol 624-8980
4162 Averback Benj Agencies mfrs rep 623-4320
4164 Netzel H E mfrs rep
4165 Van Heusen Co mens clo whol 622-3091
4166 Stusser Richd mfrs rep
4167 Hoelscher Bud mfg rep-mens clo whol 624-4715
4167 Winn Brook Casuals mfrs rep 623-4324
4168 Stables Richd mfrs rep 622-2444
4169 Damon Creations mens clo whol 622-4540
4170 Creighton Tom mfrs rep
4170 Mc Call Dave mfrs rep
4174 Ryan Joseph mfrs rep 623-5090
4175 Mac Donald Myron mfrs rep mens clo 622-4982
4178 Vacant
4180 Schwartz Wm E mfg rep-shoes whol 623-5771
4181 Pendleton Woolen Mills woolens whol 622-6993
4182 Coffey Dennis mfg rep-mens clo whol
4185 Carver Lanny mfg rep-mens clo whol 622-4587
4185 Peterson Pat mfrs rep-mens clo whol 622-4587
4189 Coltharp Jay mfg rep-mens clo whol 622-6737
4189 Hamerton Pat mfg rep-mens clo whol 622-6737
4189 Parks John mfg rep-mens clo whol 622-6737
4202 A Smile Inc mens clo whol 624-4013
4203 General Footwear Co Ltd shoes whol 623-2155
4204 Yost Jay mfg rep-mens shoes whol 623-0939
4205 Heppler Lynn G mfg rep-mens clo whol 624-5367
4205 Heppler M Garth mfg rep-mens clo whol 624-5367
4209 Wahl Richd mfg rep-mens clo whol 623-7593
4215 Yeary James H mfg rep-jwlry whol 329-9672
4215 Yeary La Donna K mfg rep-jwlry whol
4217 Bear Bottoms clo whol 682-0429
4227 Europe Craft Imports mens wear whol 624-3298
4301 Herring Elbert mfrs rep
4305 King Geo mfrs rep
4305 Rand Martin mfrs rep
4305 Zapp Robt mfrs rep
4306 Clark Ron mfrs rep 628-0347
4307 Palmer Gary mfrs rep
4307 Schneider Dwaine mfrs rep 623-1632
4309 Drebin Harold mfg rep-mens clo whol 622-2215
4310 Reitz Don mfrs rep
4311 Vacant
4315 Vacant
3216 Metaker Betty mfrs rep 624-1228
4316 Kollar Michl mfrs rep 622-4797
4321 Kennington Ltd mens clo whol 622-4799
4322 Austin Elaine mfg rep-mens clo whol 622-4824
4323 Murray Stanley K mfg rep-mens clo whol 682-5488
4326 Hoffman E John mfrs rep 624-2534
4328 Vacant
4329 Vacant
4332 Jensen Paul mfg rep-mens clo whol 624-5869
4336 H I S sportswear whol 622-6317
4337 Vacant
4341 Hollowell John mfrs rep 623-6162
5000 Vacant
5101 Kates Realty Inc 682-4375
5101 Seattle Trade Center (Rental Ofc) 682-4375
5103 Pacific Northwest Men's Apparel Club 682-4207
5104 Vacant
5105 Browne Linda J mfrs rep
5106 Eastern Designs Intl Inc int decorator 682-7640
5107 V I P Travel Intl consultants 682-1903
5108 Denley Susan mfrs rep 623-9657
5109 Vacant
5110a Brown John mfrs rep
5110b Zari Brothers mfrs reps 623-0693
5111 Seefried Don mfrs rep 622-3690
5112 Heitman Neil mfrs rep
5112 Alpac Sales Co 622-6709
5113 Pacific Northwest Apparel Assn 624-1162
5114 Kjaer Equipment Co 622-4216
5115 King Charles mfrs rep 292-9442
5116 Northwest Focus Inc mkt research 623-0721
5118 Pitts Michl Inc mfrs rep 624-7252
5119 Ream Dave mfrs rep
5121 Winters H C mfrs rep
5121 Wintars J mfrs rep
5123 Geisness & Day lwyrs 624-8866
5125 Barrington John mfrs rep 624-7761
5125 Talarico Pat mfrs rep 682-7347
5126 Meadowcroft Jodie mfrs rep
5126 Taylor Scott mfrs rep
5127 Ecklund Harold mfrs rep 682-9880
5128 Imbrey Brian & Merry mfrs rep gilead lingerie 682-5926
5129 Tanselli Philip mfrs rep
5130 Putnam John E mfrs rep 622-7427
5131 Puget Sound Pilots ship pilots 624-2212
5132 Mc Coy Ted mfrs rep 622-5503
5135 Tucker Richd mfrs rep 682-1303
5136 Lieppman Steven M mfrs rep 292-9823
5139 Gattis Steph K cps 622-3610
5140 Herold Mary mfrs rep 624-3645
5142 Directions purch consultants 292-9744
5144 Vacant
5145 Launders Roy mfrs rep
5145 Fitting Carol mfrs rep
5146 Rich Contd Imports Inc 622-5832
5147 Zdynowics James mfrs rep 622-4500
5147 Burch Valerie mfrs rep 622-4500
5148 Tallman Scott mfrs rep 624-5461
5151 Miller Albert Sales Co mfrs rep 622-5231
5153 Powers David mfrs rep 623-8659
5153 Arrow Co The slg 623-8659
5155 Gluck Wm mfrs rep 447-9600
5156 Garey Commercial Hardware whol 622-7216
1557 Organically Grown By Areja health foods 622-1976
STREET CONTINUED

CEDAR INTERSECTS 949
2700 Northwest Protective Service Inc wtchmn serv 622-4040
2708 Mc Loughlin J B & Co property mgment 624-1144
2718 Vacant
CLAY INTERSECTS
2801 Spaghetti Factory restr 623-3520
2819 Office Building
SUITES
200 North Pacific Maritime Inc 682-8312
201 Sharp Hartwig & Vladimir Inc 464-1535
201a North Pacific Maritime Inc
203 Hall Conway Jackson (Sub Ofc
204 Hall Conway Jackson Inc ins brokers 682-6006
205 Rami Broadcasting Inc radio & tel comm 623-9121
206 Answering Seattle tel answering serv 622-0310

BROAD ST INTERSECTS 950
2901 Shakey's Pizza (Parking Lot)
2902 Union Oil Co Of Cal (Whse)
BAY ST INTERSECTS
3101 I T T Grinnell Corp ind supa 284-8440
3122 Vacant
3126 Phillips Seale (Stge)
3130 Phillips Seale Co Inc distrs 284-6090
3134 Creations In Motion sculptor 284-1935
3136 Alpine Vending Co 285-4736
3140 Industrial Gasket Co (Stge)
3144 Industrial Gasket Co Inc 284-2837
3150 Ind Gasket (Whse)
3155 Two Demensions screen prntg & graphics 283-1742
Andersaen Woodgoods custom woodworking 283-9135
Stevenson Jim coml artist 284-6936
3157 Jeans Warehouse 282-5050
3161 Diamond Parking Inc 322-2911

ELLIOTT AV W —FROM W 100 DENNY WAY NORTHEAST 969

ZIP CODE 98119
100 Marriant Manufacturing & Distributing plant hanger 283-1524
104 Vacant
114 Vendors Service Center Inc vending machines 283-2610
Advance Changer Sales & Service change mach firm 622-0405
116 Graaf Art Enterprises commercial displays 622-6449
122 Century Optical 284-1162
126 Dwyer Edwin C Co Inc prntrs equip 284-8722
130 Northwest Press 283-5303
2D AV W INTERSECTS
W JOHN ST INTERSECTS
201 Office Building
Project Planners Inc data processing 285-7080
FLOORS
2d Fl Datamac Printing computer serv 285-5570
3d Fl Western Farmers Assn whol poultry 284-8500
3d Fl Lynden Farms Inc dairy 284-8500
4th Fl Western Farmers Assn (Annex)
208 Black Angus Steak House 282-1700
3D AV W INTERSECTS
W THOMAS ST INTERSECTS
300 Under Constn
333 Ivar's Captain's Table restr 284-7040
4TH AV W INTERSECTS
350 Shanty Cafe The restr 282-0473
351 Northwest Builders Hardware Inc whol 285-3720
W HARRISON ST INTERSECTS
401 Eldrig Realty Inc real est rentals 284-5967
Jiffy Printing Co 284-5949
Grann Printing archts 284-9073
410 Lundwick & Brown Floor Co Inc fl covering 283-0433
411 Bacon Henry Inc bldg matl 284-7844
444 Goodyear Elliott Tire & Service tire repr 284-0600
445 Bacon Henry Inc (Lbr Yd)
475 Pacific Putty Co paint mfrs 284-8765
Timesaver Products Co Inc abrasives 284-6765
481 Doyle Plumbing Supply Co whol 284-7460
W REPUBLICAN ST INTERSECTS
5TH AV W INTERSECTS
500 Tow-Boat Tavern 285-9718
501 Pike Place Spiced Tea 282-8327
535 Lumber Supply & Warehouse Co 284-8530
541 Blackstock Lbr (SHOP)
544 Evagelos On Elliott restr 282-9102
545 Blackstock Lumber Co Inc 284-1313

W MERCER ST INTERSECTS 317
600 Vacant
601 Seattle Animal Control 344-3907
602 Taylor Building
Taylor Brake Service 284-8610
614 Nolan North West Inc mfg rep plmb 282-3141
6TH AV W INTERSECTS
630*James John 283-4937
635 Consolidated Dairy Products Co whol 284-7220
Consolidated Dairy Products Co ofc 284-7220
Northwest Dairymen's Assn 284-8120
United Dairymen's Assn 284-7220
652 Northwest Kirby Co vacuum sls & serv 284-9615
660 Baskin-Robbins 31 Ice Cream Stores 284-3372
W MERCER PL INTERSECTS
W ROY ST INTERSECTS
900 Vacant
901 American Conserving Co apple processing 282-1020
902 Contract Furniture Inc whol 283-9100
904 Northwest Art Glass stained glass tools & sup 283-4990
919 Electro-Sonics electronic air cln repr 282-2900
920 Crouch & Son Ornamental Iron Works 282-2100
921 Sound Elevator Co install serv & repr 284-3110
934 Keystone Engineering & Products Co Inc electronic eng 284-7320
945 Conbela Association mental hlth & voc rehab entr 284-3901
946 Conbela Assn Of Seattle (Add! Spl 282-9155
954 Coast Products Inc ventilation equip 285-5130
963 Mom's Cafe 284-9112
965 Consolidated Fuel & Heating Co oil 282-4380
1030 Kollmar Sheet Metal Inc 283-2330
1038 Wilson Machine Works 282-7560
1039 Pacific Coast Hemphill Oil Co fuel oil 284-2300
1041 Banner Cleaners 283-7591

PROSPECT ST INTERSECTS 997
1110 Home Oil Co The fuel 282-8000
1111 Quench Bottling Co Inc 283-7700
1121 Ace Tank Equip Co (Annex)
1124 Ace Tank Equip Co mfrs 281-5000
Burwell Brothers wldrs 281-5099
1133 Ace Tank Equip (wldg shop)
1135 Burwell Bros (Plant 2)
1140 Ace Tank Equip (Parking Lot)
1143 Ace Tank Equip Co (Annex)
1144 Taco Time restr 282-7525
1170 Herfy's Restaurant 285-1564
1400 Robinson Distributing Corp hashold appls 284-8400
1405 Harlan Fairbanks Co popcorn concessions 284-7420
Harlan Fairbanks Popcorn Co 284-7420
1408 Vacant
1415 Melody T V & Appliance sls & serv 282-2592
1417 Amwest hdw whol 284-5655
1418 Smith & Son Wrecking Contractors Inc 284-5871
1426 Smith & Son (Addl Sp)
1430 Nw Adv (Prod Ofc) 283-1585
1432*Wolfe Ben F 284-8520
1436 Vacant
1437 Hilton Seafoods whol 283-4386
1440 Basic Wholesalers Inc sch sup 283-6114
Wigwam Dept Stores (Ofc) 284-4300
1441 Vacant
1451 Pennzoil Co whol oil 282-0640
1452 Grayline Tours Inc (Mtce Shop) 343-2056
1460 Lin-Taj Graphics typesetting 285-1122
Sunrise Printing 282-1225
1461 Hays Merchandise Inc toys whol 284-7004
1476 Lee Albert Furniture & Appliance Co Inc 282-2110
W GALER ST INTERSECTS
16TH AV W INTERSECTS
1501 Budget Batteries 285-4075

ELLIS AV S —FROM 1200 S BAILEY ST SOUTHWEST 961

ZIP CODE 98108
6201 Vacant
6204 Home Masonic Temple 762-9678
Home Assembly No 25 Order Of Rainbow Girls 762-9678
Home Chapter No 193 (OES) 762-9678
Home Lodge No 100 (AF&AM) 762-9678
Seattle Assembly Number 5 762-9678
Bethel 58 Job's Daughter 762-9678
S ANGELO ST INTERSECTS
6220 Byrd John A @ 763-0259
6228 Vacant
6250 Bradley E B Co whol hdw 767-3540
6253 Vacant
6257 Adams Wm H @ 763-9414
6263 Cook Harry E @
6264 Lozzi Genevieve Mrs @ 763-2388
6271 Wollmering Al M
6272 Vacant
6273 Bland Bruce @ 762-6295
6276 Acme Food Sales whol fish & meat 762-8150
6279 Vacant
6281 Lidnin Olga M @ 762-7598
6285 Pistoresi Peter @ 767-3619
6286 Sweeney Marie N Mrs @ 763-2714
6287 Caffell Stella A @
6306 Santini Emil @
6309 Van Damme Victor H 763-1967
6310 Binkley Roger G 762-7343
6311 Vacant
S ALBRO PL INTERSECTS
6404 Rosso Julius Wholesale Nursery Co 763-1888
6409*Bradley Robt 763-1333
6415*Kirkendall Robt 763-5999
S ELIZABETH ST INTERSECTS
6421 Vacant
6501*Riley Vivian 762-8096
6507 Veggin Jack W 763-9047
6509 Armbruster Jeff

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INVESTMENTS SECURITIES
Tel. 244-0080

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ELLIOTT AV—Contd
600 Information Managment Corp 282-1880
610 Unocal oil co regional ofc 281-7666
610 Unoco Employees Of Wa Credit Union 443-7540
620 Otis Elevator Co elevator sls 281-8100
630 South Bay Group Inc 285-7995
700 Society Expeditions Inc cruises 285-9400
Sta K X R X Ninety Six Point Five FM steve west genl mgr 283-5979
3134 Walker Wm Woodworking 283-2586
3140 Airborne Freight (Whse)
3144 Vacant
3150 Otis Elevator Co (Stge)
3151 Office Building
Suites
105 Far West Properties real est 283-0400
230 Interface Systems Inc comp sls 283-7541
310 Wizywig Inc wigs & toupees 283-3069
370 Stuart Chas Inc modeling afcy 281-7714
General Realty Inc 282-0600
3157 Vacant
3161 Diamond Building ofc bldg 284-6303
Suites
100 Diamond Parking Inc (Genl Ofcs) 284-6303
100 Rainier Properties Inc real est 284-3950
105 Vacant
200 Diamond Parking Inc (Corp Ofcs) 284-3100
200 Kostakos Gustav G lwyr 282-8753
200 Diamond Parking Inc (Addl Sp)
200 Kadish Ira A cpa 282-8753
200 Drico Ins agcy 282-8753
300 Williams & Helde Inc adv agcy 285-1940
305 Vacant
310 Quest Investments Inc inv co 283-5585
315 Roberts Jackson & Assoc real est 283-5210
320 Command Processors Limited fishing vessel sls 281-0900
Deli Espresso deli 282-6285

969
ELLIOTT AV W —FROM W 100 DENNY WAY NORTHEAST

ZIP CODE 98119
100 L & H Engraving Co Inc card & stationery 285-0146
101 Seattle Post-Intelligence bldgs ofcs 448-8000
101 I D S Financial Services 281-7250
110 United Press International (Seattle Ofc) news serv bur 283-3262
425 Vacant
430 Walsh Bob & Associates attys 285-3212
140 National Credit Services collection agcy 282-3711
140 Executive Marketing Consultants 284-7300
150 Lots A Tots daycare 285-0742
200 Seattle Post Intelligencer newspaper pubir 448-8000
435 Cellular One Interstate mobile phone proj ofc 283-8319
550 Davies Roberts & Reid attys 285-3610
104 L & H Engraving Co (Annex)
108 Snorkel Stove Co mfr 283-5701
114 Vacant
116 Society Expeditions travel agcy 284-5981
122 Society Expeditions (Addl Sp)
126 Vacant
2D AV W INTERSECTS
W JOHN ST INTERSECTS
201 Elliott Park Building 281-8700
Suites
100 Cellular One (Engineering)
105 Mc Caw Communications network oprns cntr 283-2658
109 Cellular One (Operations)
110 Manlove Travel Inc 283-7862
120 Bayside Deli 285-7905
130 P I P Printing 282-6066
200 Allied Metal Craft 281-7574
200 Welfare & Pension Administrative Service 281-7574
205 Smith & Ardussi indus chem 282-7878
215 Vacant
220 Vacant
220 Vacant
300 Vacant
301 Vacant
302 Vacant
304 Vacant
305 Biomembrane Institute The non profit pharmaceutical rsch 285-1309
400 Sabey Corp property dev 281-8700
404 Vacant
405 Sabey Corp (Property Mgmt)
407 Vacant
410 Washington State Labor Council A F L-C I O 281-8901
500 Weston Roy F Inc envrnmntl engs & consits 286-6000
501 Vacant
507 Executive Benefits Co The Ins 284-3608
510 A F L-C I O Region 1 X 284-6611
208 Vacant
220 Diamond Parking (Self Parking)
3D AV W INTERSECTS
W THOMAS ST INTERSECTS
300 Elliott Bay Office Park 467-7600
ROOMS
100 Westours Inc travel agts 281-3535
100 Evergreen Trails Inc (Div Of Westours Inc)
100 Hyway Holidays Inc (Div Of Westours Inc)
100 Westours Motor Coaches Inc (Div Of Westours Inc)
200 Vacant
210 Eastman Radio Inc reps 285-1217
550 N S I Services Inc 285-6132
270 Vacant
280 Leisure Tours 281-8210
300 Hall Frank B & Co Of Washington Ins 284-4890
310 Alaska Maritime Agencies 328-6262
330 Allnet 286-9033
350 Vacant
360 Vacant
390 Vacant
400 Holland America Lines Westours Inc 286-3517
410 Holland America Line (Addl Sp)
415 Holland America Line Westours Inc (Addl Sp)
420 Vacant
340 United Steel Workers Of America-A F L-C I O 285-3388
250 Tremper & Co cpa 285-4456
540 New York Life Insurance 285-0641
480 Holland America Line Westours Inc 281-3535
500 Kemper Group natl Ins 281-3333
333 Ivar's Captains Table Restaurant restr 284-7040
619 Schuchart Partnership Ltd land dev 286-2256
4TH AV W INTERSECTS
350 Shanty Cafe The restr 282-0473
351 Vacant
W HARRISON ST INTERSECTS
401 Philbrick Northwest mfrs reps 281-8381
410 Neo Rx (pharm ofc) 281-7001
411 Bacon Henry Inc bldg matl 284-7844
444 Goodyear Tire Center Of Seattle 284-0600
445 Bacon Henry Inc (Lbr Yd) 284-7844
475 Vacant
481 Vacant
W REPUBLICAN ST INTERSECTS
5TH AV W INTERSECTS
500 O'Char Restaurant 286-1773
501 Two Dimensions printing co 283-1742
501b Rainbow Metals Inc mfg metal novelties 283-9727
501c D G M Controls parking control sys 284-8919
535 Vacant
544 Lee Chee Garden chinese restr 281-8838

317
W MERCER ST INTERSECTS
600 Ace Auto Body repr 283-2774
601 Blackstock Lumber Co (Addl Sp)
602 Taylor Building
Taylor Brake Service 284-8610
Micro-Chem Laboratories 284-0862
614 Nolan North West Inc mfg rep plmb 282-3141
6TH AV W INTERSECTS
630 Express Lane 24 Hour Deli dell food store & gas station 282-4855
Vacant
Vacant
635 Darigold Inc whol 284-7220
Darigold's Farm Inc 284-8120
652 Tool Town 281-1166
660 Baskin-Robbins 31 Ice Cream Stores 284-3372
W MERCER PL INTERSECTS
W ROY ST INTERSECTS
900 Pacific Appliance Co hsehold appl dlrs 282-7060
901 Leather Care Inc leather cln 285-2225
Meteor Monograms monogramming 282-8290
902 Vacant
904 Northwest Art Glass stained glass tools & sup 283-4990
Mesmer Karen Glass mfg stained glass prod 281-8476
912 Kidspace day care center 282-3622
920 Phillips Scale Co (Addl Sp)
921 Vacant
934 Phillips Scale Co Inc 284-6090
945 Queen City Indus Inc 284-6222
946 Seattle Cycles bicycle shop 285-2800
954 Coast Products Inc ventilation equip distr 285-5120
963 Vacant
1030 Kollmar Sheet Metal Inc contrs 283-2330
1038 Wilson Machine Works 282-7560
1039 Blackstock Lumber sls 284-1315
1041 Vacant

997
PROSPECT ST INTERSECTS
1110 Home Oil Co The 282-8000
1111 Oriental Furniture Warehouse (addl sp)
Gardico Inc gasket sls 283-5850
Thor Gasket Inc gasket sls 282-1984
Tubbs Photography Studio 286-6866
Rear Vertical Club
1117 Vacant
1121 Ace Tank Equip Co (Annex)
1124 Ace Tank & Equipment Co (Welding Shop) (Annex) 281-5000
1133 Ace Tank & Equip (wldg shop)
1135 Burwell Bros (Plant 2 Whse Sp)
1140 Ace Tank Equip (Parking Lot)
1143 Ace Tank & Equip Co serv sta equip 281-5000
Burwell Brothers wldrs 281-5000
1144 Taco Time restr 282-7525
1170 Burger King restr 284-1176
1400 Robinson Distributing Corp hsehold appl whol 284-8400
1405 Harlan Fairbanks Co popcorn concessions 284-7420
1408 Vacant
1415 Photography Northwest Inc coml 285-5249
1417 Drake & Mc Donald Co casters-wheels 782-6200
1418 Smith & Son Inc bldg matls 284-5871
1419 Anderson Susan Marie Photography 286-9427
Cohoon John Studio photog 282-6111
Garfkel Gregory Photography Inc 283-9793
1426 Smith & Son (Addl Sp)
1430 Ad-Post Northwest Inc del of adv 282-5890
Vacant
Vacant
1436 Superior Embroidery Inc embroidery merch ret 283-7906
1436½ Krat All pkg serv 282-8307
1437 Hilton Seafoods Co Inc whol 289-4010
1440 Taylor Custom Woodworks custom cabinet mfg 284-3510
1441 Slam Trading & Ltd whol Importers 575-2212
1451 Pennzoil Co whol oil 282-0840
1452 Pro Print printing & copying 283-5515
1456 James Frank Car & Truck Repair Inc 285-7074
1460 Paton Corp engineering 281-0282
1461 Hays Distributing Corp toys games-hobbies whol 284-7004
Far West Toys Games & Hobbies 284-7004
1465 Vacant
1467 Argus Optical sun glasses & goggles 285-8088
1471 Nichol & Nichol 284-0929
★Mears Jim 281-9521
1473 Elliott Bay Studios glass artists 281-9406
Nachman Roger Glassworks glass artists 281-9406
1475 Vacant
1476 Lee Albert Furniture & Appliance Co Inc 282-2110
1477 Minkler Randy F ofc 285-9284
W GALER ST INTERSECTS
16TH AV W INTERSECTS
1501 Budget Batteries 285-4075

981
ELLIS AV S —FROM 1200 S BAILEY ST SOUTHWEST

ZIP CODE 98108
6201 Florist (Addl Sp)
6204 Home Masonic Temple 767-3414
Home Chapter No 193 org 767-3414
Home Lodge No 100 (AF&Am) 767-3414
S ANGELO ST INTERSECTS
6220 Vacant
6225 Vacant
6250 Bradley E B Co Inc whol hdw 767-3540
6253 Graves John T 763-7440
6257 Adams Wm H ◎ 763-9414
6263 Spartan Electric Service Inc elec contr 763-1144
6264 E B Bradley Co (Addl Sp)
6271 No Return
6272 No Return
6273★Gloster P 767-9416
6276 Acme Food Sales Inc whol groc 762-5150
6279★Martin Kenneth 763-6880
6281 Lidnin Olga M ◎ 762-7599
6285 Pistoresi Peter ◎ 767-3619
6286 Sweeney Marie N Mrs ◎ 763-2714
6287 Guzman T A ◎ 762-3912
6306 Santini Emil ◎
6309 Van Danne Victor H 763-1987
6310 Moore Henry ◎ 763-2721
6311★Benniow H Rex 762-5679
S ALBRO PL INTERSECTS
6404 Rosso Julius Wholesale Nursery Co 763-1888
6409 No Return
6415 Apartments
Upper Vacant
Lower Dorsey Karl R 763-4275
S ELIZABETH ST INTERSECTS
6421 Hillburn Ed E ◎
6501 Hardy Rosemary E ◎ 763-9091
6507 Kossek Robt J
6509★Jesee Steven L
6511a Thompson Charles E 762-1684
6511b Stanley Mark 762-5606
6517 Hill Bryan E 763-7735
6518 County Intl Airport (Mtce Shop) 296-7390
6523 Vacant
6525 Vacant
6526 U S Trans Dept (Fed Aviation Admn) 762-2726
U S Trans Dept (Fed Aviation Admn) 764-6606
S WARSAW ST INTERSECTS
6603 Shirey E H ◎ 763-2176
6631 Shoemaker Albert P ◎ 767-3009
6633 Rezek Donald M ◎ 767-4811
6637 Ellis John T
6640 Famco Trans Inc trucking 762-2373
6643 No Return
6649 Brewer Michl J 762-6960
6650 State Dept Of Transportation (Motor Pool) 464-6484
6653 Johnson Jackie
6657 Cramer Mary V Mrs ◎
6661 Bianchi Patk 767-5409
6665 Medina Joseph ◎
6701 Ton Joseph L ◎
6705 Vacant
6715 Hamilton Delana Mrs ◎ 763-9651
6719 Keppler Herbert G ◎ 767-3518
6721 Coles Francis W ◎ 767-3035
6725 Martinl Kath E ◎
6731★Coppola J 762-3985
6733 No Return
6736 State Air Natl Guard (1430 Combat Comm Sqdr) 762-6132
State Air Natl Guard (Motor Pool) 764-7217
6737 No Return
S WILLOW ST INTERSECTS
6900 Boeing (Matl Group) 655-8361
Boeing (Quality Control) 655-5931
6901 Vacant
6909 Parrott Freidda C Mrs ◎ 763-0604
6915 No Return
6921★Monillas Celso D
6929 Vacant
6933 Kato Mitsuye ◎
S MYRTLE ST INTERSECTS
MARGINAL WAY S INTERSECTS

213
ELM PL SW —FROM 1106 CALIFORNIA PL SW SOUTH

ZIP CODE 98116
1107 Reinhardt Erich 938-0456
1109 Ramirez Jim A Jr 935-3431
May Michelle
1119★Daughenbaugh L J 938-8387

203
ELMGROVE ST S —FROM 8100 2D AV S EAST

ZIP CODE 98108
5TH AV S INTERSECTS
501 Vacant
527 Crescent Sheet Metal Inc contrs 767-3020
7TH AV S INTERSECTS
701 Vacant
711 Gilinski Winifred Mrs 767-3985
714 Bates James N
720 Buck E
726 No Return
727 Browning Albert L ◎ 762-1122
730 Zukowski Z Bigniew 763-1237
733 Dingus Winston ◎ 763-8695
736 No Return
740 Renwick Dorothy 762-0192
746 South Park Lawn Mower Service 763-2535
Schlosser Neil L ◎ 763-2535
749★Holder Randall W ◎ 762-2503
8TH AV S INTERSECTS
10TH AV S INTERSECTS
1015 South Park Repair elec appls 763-1348
Helgeson Lydia W Mrs ◎ 763-1348
1025 Long Painting (Whse)
1029 Long Pntg (Addl Sp)
1033 Long Painting (Addl Sp)
1037 Vacant
1040 Childers Geo M ◎ 762-5244
1046★Wold Norm A 762-8155
1049 Prusia Ronald ◎ 762-2189
1054 Spiry Kelly
1055 Ramos Cheryl
1056 No Return
DUWAMISH WATERWAY CROSSES

173
ZIP CODE 98118
EMPIRE WAY S INTERSECTS
3945 Johnson Patricia ◎ 722-6774
4202 Santos Benjie 722-8737
4203 Corsilles Jose V Jr ◎ 721-5085
4209 Wilson Agripina 722-8341
4215 Hiquiana Jose 725-4387
4218 Iranon Anthony ◎ 723-4907
4219 Zambrano Trinidad ◎ 723-5987
4222 Mabansag Delfin C ◎
Gallardo Johnny D ◎ 725-0126
4223 Santos Avelino 723-1044
4226 Cortez Clifford R ◎ 723-4999
4227★Thomas John 725-9559
4230 Banks Porter F ◎ 722-5301

181
50TH AV S INTERSECTS
5004 Pacleb Sixto P ◎ 722-6810
5007 Phanivang Inkta 723-9330
RAINIER AV S INTERSECTS

273
ELMGROVE ST SW —FROM 8100 4TH AV SW WEST

ZIP CODE 98106
5TH AV SW INTERSECTS
6TH AV SW INTERSECTS

SW ELMGR
7TH AV SI
8TH AV SI
9TH AV SI
10TH AV S
1003★Kuhn (
1009 Herefor
1010★Nail Sp
1014 No Retu
1015 Perry D
11TH AV S
1102 No Retu
1107 Stewart
1110 Steele J
1117 Suver E
12TH AV S
1218 Gile Car
13TH AV S
1310 Cox Fre
1314 Blasen V
1317 Vandent
14TH AV S
16TH AV S
17TH AV S
1702 Emerick
1708 Frankfo
18TH AV S
1802★Burrow
1808 Cabalqu
1823 Vacant
20TH AV S
SW DELRII
22D AV SW
2202 Osaki M
27TH AV S
ZIP CODE
2703 Alvarad
2706 No Retu
2711 Nagel Bl
2712 Kosel Fr
2716 No Retu
2717 Pickett I
2722 Susterich
2723 Bartol E
28TH AV S
2809 Pelland
29TH AV S
2905 Mc Kelv
30TH AV S
3007 Parker I
3011 Vacant
3012 Jefferson
3017 Hardgro
31ST AV S
32D AV SW
34TH AV S
35TH AV S
3515 Daniels
3518 Schwade
3519 Wolford
3524 Fieldson
3527 Coffin M
3530 Vacant
3533 Haag Rol
3534★Simpson
3540 Bacon St
3541★Amos W
3544 Collier L
3545 Armenie
37TH AV S
3711 Lawrence
3712 Finity Cl
3716 Stromber
3717 Green Et
3723 Allison I
3724 No Retur
3726 No Retur
3727 No Retur
3731★Croney
3732 Rodal Da
3735 Poska A
3738 Hoffman
3743 Mc Math
3747 Gallant C
3748 Boyd Joh
ZIP CODE 9
39TH AV S
3900 Mortense
3906 No Retur
3910 Gould Mi
3915★Garcia R
3916 Carling
3921 Spencer
3924 Coughlin
3928★Mac Gre
3929 Vacant
3932 Brown C
3935 Petzold
3939 Phillips
3940 Vacant
3942 Hoover R
3944 Mc Alpin
3945 Boman L
3951 Mott Oliv
3954 Markabur
3957 Abramow
41ST AV SW
4102★Thornbu
4106 Bellamy
4110 Lyshall A
4115 Mellor La
4118 Zimmerm
4122 Bailey Be
4123 Webb Ch
4128 Wiese La
4131 No Retur
4132 Johnson
4136 Sears Ern

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Address	Zip+4	Carr Rte	Phone
RETAIL MERCHANDISING SVC	-1326	C071	443-7672
RICK LARSEN & ASSOC	-1326	C071	441-0567
RINDLER PACKAGING	-1326	C071	441-3145
ROBA DA MATT INC	-1326	C071	441-7317
ROBIN FOLLETT & ASSOC	-1326	C071	441-3110
ROGER ENTERPRISES	-1326	C071	441-3103
SANTE FA TREASURE	-1326	C071	448-5934
SCHWARTZ ASSOCIATE	-1326	C071	441-5771
SEATTLE APPAREL INC	-1326	C071	443-2801
SEATTLE INTL TRADE CTR	-1326	C071	441-3000
SEATTLE TRADE CONSORTIUM	-1326	C071	728-1170
SECRETARIAL CENTRE	-1326	C071	448-9331
SHARON KAPLAN & ASSOC	-1326	C071	443-9500
SHAUL'S CHILDREN'S ACCESS	-1326	C071	441-9540
SHELLEY HENKLE	-1326	C071	441-8055
SHERMAN & SHERMAN WOMEN'S APL	-1326	C071	441-1021
SHIPCO TRANSPORT INC	-1326	C071	441-3300
SIMON ROSSOFF	-1326	C071	448-0181
STOR NET	-1326	C071	448-4979
STUART WEXLER & ASSOC	-1326	C071	443-3900
SUN KONG (U S A) INTL INC	-1326	C071	441-6542
SUNNY SOUTH FASHIONS	-1326	C071	441-5877
TAN IMPORT-EXPORT LTD	-1326	C071	728-2876
TIME IMPEX	-1326	C071	728-1390
TRAC ASSOCIATES	-1326	C071	443-9699
TRANSAMERICA INSURANCE	-1326	C071	441-7120
TRANSPORTATION INSTITUTE	-1326	C071	443-1738
TRUE GRIT	-1328	C071	448-9623
U S NORTHWEST EXPRESS	-1326	C071	441-3622
VANGUARD MARKETING GROUP INC	-1326	C071	448-9501
VENTURE INTERNATIONAL	-1328	C071	441-1309
VENTURE TRAVEL	-1326	C071	448-2656
VRANIZAN ACCESSORIES WEST	-1326	C071	448-2128
W DAVID BROWN	-1326	C071	448-6689
WALTER KOEHLER ASSOC INC	-1326	C071	441-7353
WE BE KOOL	-1326	C071	443-1969
WE HATS SHOWROOM	-1326	C071	728-6046
WILLITS & ASSOC	-1326	C071	441-4546
WORLD TRADE CLUB	-1326	C071	448-8903
WORLD TRADING CO	-1326	C071	441-1715
YOUMANS CORP	-1326	C071	441-8455
Ahlers Arlene	-1326	C071	448-8909
Angel Alben	-1326	C071	448-9228
Beacham Sid	-1326	C071	448-1771
Becker Selena	-1326	C071	448-5655
Bohm Dale	-1326	C071	441-6124
Burge Lethan	-1326	C071	448-2509
Carver Lanny	-1326	C071	448-1141
Donini Jim	-1326	C071	448-2229
Dunn Ronald	-1326	C071	448-9623
Dyer Betsy	-1326	C071	448-1177
Farese Jo A	-1326	C071	443-0828
Furchner Steve	-1326	C071	728-1710
Goodman Harlan	-1326	C071	441-6147
Hadley Travis B	-1326	C071	441-6621
Halvorson Carol A	-1326	C071	441-6621
Hammond Joyce A	-1328	C071	448-4160
Hendrickson Bruce	-1326	C071	441-0955
Hendrickson Marlene	-1326	C071	441-0955
Jackson Monika	-1326	C071	448-4480
Jergens Debbie	-1326	C071	443-0898
Johnson James	-1326	C071	441-3071
Johnson Janet	-1326	C071	448-6421
King John T	-1326	C071	448-9029
Lafleur Mike	-1326	C071	443-1044
Lynn Joni	-1326	C071	448-5454
Macdougall Barbara	-1326	C071	448-3993
Martin Carrie	-1326	C071	441-1917
Moldstad Karen	-1326	C071	441-5412
Murray Joan	-1326	C071	441-0429
Navratil Pam	-1326	C071	728-7833
Noyes Diane	-1326	C071	441-7155
Obrien John	-1326	C071	441-9648
Olmstead Frank	-1326	C071	443-0933
Olmstead Michele	-1326	C071	443-9608
Schwartz Pam	-1326	C071	443-1403
Suzick M	-1326	C071	443-8400
Tedford Jon	-1326	C071	441-2787
Vanderveal Ann	-1326	C071	448-4192
Wyman Don	-1326	C071	441-8231
2700 NORTHWEST PROTECTIVE SVC	-1109	C071	448-4040
2708 SENFIT GANG	-1109	C071	443-3277
2716 UTHO HOUSE	-1109	C071	441-9600
2801 OLD SPAGHETTI FACTORY	-1110	C071	441-7724
2819 BLACK TIE VALET	-1122	C071	448-1136
EVANS LAWRENCE & NASH	-1122	C071	728-0680
F S & A ADVERTISING	-1122	C071	443-4606
FIRMANI & ASSOC INC	-1122	C071	443-9357
IMPACT STRATEGIES	-1122	C071	282-4787
MARKETART	-1122	C071	443-1821
PRAGMATIX INC	-1122	C071	441-0102
PRODUCTION PARTNERS	-1122	C071	441-3773
REPUBLIC PARKING NORTHWEST INC	-1122	C071	728-4457
SPIRIT OF PUGET SOUND	-1122	C071	443-1442
3124 SUSAN FOSTER FLOWERS	-1019	C082	282-3081
Dahlgren S	-1019	C082	282-9661
3130 ASPEN WINDOW TINTING	-1019	C082	283-7784
3181 AON REINSURANCE INC	-1047	C082	748-4923
BOB WALSH CO	-1047	C082	285-3212
BREMS EASTMAN & PARTNERS	-1047	C082	284-9400
CHRISTAL RADIO	-1047	C082	284-5098
CURTIS BEATTIE & ASSOC	-1047	C082	282-8512
ELLIOTT BAY MANGEMENT GROUP	-1047	C082	283-8144
EPICENTER FILMS	-1047	C082	285-1228
GRADUATE SCHOOL USDA-SEATTLE	-1047	C082	284-9096
KATZ	-1047	C082	284-4383
KATZ COMMUNICATION INC	-1047	C082	284-3088
KYOW	-1047	C082	216-0965
PACIFIC COMMERCIAL CORP	-1047	C082	217-0701
UNITED TELEVISION SALES	-1047	C082	270-8570
Berlondin Don	-1047	C082	281-4500
Bodal Trand R	-1047	C082	281-4500
Buelow David	-1047	C082	281-4500
Cadson David D	-1047	C082	281-4500
Fenton Tim	-1047	C082	281-4500
Johnson Michael R	-1047	C082	281-4500
Keum Kwangy	-1047	C082	283-9431
Laberge V	-1047	C082	281-4500
3134 PAINT ARTS	-1019	C082	285-9145
ROSS DAY FINE FURNITURE	-1019	C082	282-8250
STEWART WURTZ FURNITURE	-1019	C082	283-2586
WILLIAM WALKER WOODWORKING	-1019	C082	282-7873
3144 VOTIVO LIMITED	-1019	C082	213-0068
2151 DELI ESPRESSO & MINI MART	-1053	C082	282-6285
FAR WEST PROPERTIES	-1053	C082	283-0400
PIP PRINTING	-1053	C082	282-2170
3161 DIAMOND PARKING INC	-1054	C082	284-3100
FARWEST PROPERTIES	-1054	C082	282-0600
GUSTAV G KOSTAKOS	-1054	C082	282-8753
PACIFIC NORTHWEST EQUIPMENT	-1054	C082	286-3177
PAUL W GRAY CO	-1054	C082	283-1370
QUEST INVESTMENTS INC	-1054	C082	283-5595
SEWELL	-1054	C082	283-8141
Z TRAC	-1054	C082	217-9006
Kadish Ira A	-1054	C082	282-5753

ELLIOTT AVE cont'd

Address	Zip+4	Carr Rte	Phone
Wilson Gregory	-1054	C082	286-8002

BUSINESSES 242 HOUSEHOLDS 350

W ELLIOTT AVE (S) 98119

100 LIGATURE	-4225	C002	285-0145
101 AMERICAN EXPRESS FINANCIAL INC	-4220	C002	281-7250
CLOUSTON FOODS GROUP	-4220	C002	284-3580
DAS CONSTRUCTION CORP	-4220	C002	281-4200
DAVIES ROBERTS & REID	-4220	C002	285-3610
FERRELL & TAMBLYN	-4220	C002	283-4127
KIDS ALLEY ON ELLIOTT BAY	-4220	C002	286-8113
MANLOVE TRAVEL INC	-4220	C002	283-7662
ROBERT V BROWN	-4220	C002	281-8898
SABEY CORP	-4220	C002	291-6700
SEATTLE POST INTELLIGENCER	-4220	C002	448-8000
SMITH & ARDUSSI INC	-4220	C002	292-7878
Anderson Brigid C	-4220	C002	285-3610
Ballew David W	-4220	C002	285-3610
Brown Robert V	-4220	C002	291-8898
Johnson Albert R Jr	-4220	C002	285-3610
McCarthy Michael R	-4220	C002	285-3610
Mondress Misty E	-4220	C002	285-3610
Navone James H	-4220	C002	281-7250
Oswald James O	-4220	C002	285-3610
Pedersen Kenneth J	-4220	C002	285-3610
Smith Timothy S	-4220	C002	285-3610
Song William H	-4220	C002	285-3610
Williams Kim	-4220	C002	285-3610
Williamson Rob	-4220	C002	285-3610
108 Gerald Fell	-4225	C002	283-1878
114 SHEPPARD WOODWORKS WILLIAM MITCHELL WOODWORKING	-4225	C002	282-4661
126 DOWNTOWN PRINTING CO	-4225	C002	283-7439
130 BETA PRESS	-4225	C002	281-9323
201 BIOMEMBRANE INSTITUTE CTI	-4230	C002	285-1309
IMMUNO THERAPY CORP	-4230	C002	282-7100
PATHOGENESIS CORP	-4230	C002	270-9001
300 AIDS HIV CARE ACCESS PROJECT	-4230	C002	467-6100
ALASKA MARITIME AGENCIES	-4122	C001	284-9277
AMERICAN MANUFACTURERS MUTUAL	-4122	C001	285-1700
CASEY FAMILY PROGRAM	-4122	C001	281-3333
COMPASS CAPITAL INC	-4122	C001	286-4450
EXECUTIVE MARKETING CONSULNTS	-4122	C001	282-3500
FAMILY PLANNING HOTLINE	-4122	C001	284-7300
GENERAL STEAMSHIP CORP & LTD	-4122	C001	284-5818
HEALTH MOTHERS/HEALTH BABIES	-4122	C001	286-4400
HOLLAND AMERICA LINE	-4122	C001	284-7311
HOSPITAL RESPIRATORY SVC	-4122	C001	281-3535
HOSPITAL SHARED SVC ASSN	-4122	C001	216-2866
JANE CRIGLER ASSOC	-4122	C001	285-3937
JOINT VENTURES INC	-4122	C001	266-8060
KID CARE	-4122	C001	285-8882
KIDCARE COMMUNITY HEALTH	-4122	C001	288-9005
SCHUCHART SERVICES INC	-4122	C001	284-0331
SUNTAN ALLEY	-4122	C001	286-2009
WAPATO POINT REAL ESTATE INC	-4122	C001	518-4191
WASHINGTON STATE HOSPITAL ASSN	-4122	C001	286-2258
WINNIE HAGEMAN WORKERS COMPENSATION TRUST	-4122	C001	281-7211
WPS INC	-4122	C001	285-3855
Furlong Gary	-4122	C001	288-2270
Rickey Douglas	-4122	C001	283-1907
350 SHANTY CAFE	-4102	C001	283-1907
401 PHILBRICK NORTHWEST LTD	-4004	C001	292-0473
Fessler Mark	-4004	C001	281-8161
Kolar Barbara	-4004	C001	283-6015
405 CHIROPRACTIC RESULTS PLUS	-4004	C001	283-6015
Marschall Skye K	-4004	C001	286-2225
410 APTEIN INC	-4005	C001	286-2225
444 ELLIOTT TIRE & SVC CTR	-4005	C001	283-6369
500 MAHARAZA	-3910	C001	284-0600
501 DGM CONTROLS	-3908	C001	286-1772
TWO DIMENSIONS	-3908	C001	284-6919
544 LEE CHEE GARDENS	-3910	C001	283-1742
602 Munson Carl	-3912	C003	281-8838
Yousallzadeh Yousef	-3912	C003	270-9781
614 Adams Don	-3912	C003	216-0696
630 ELLIOTT BAY TEXACO	-3912	C003	285-7399
TAYLOR BRAKE SVC	-3912	C003	282-4855
635 DARIGOLD FARMS	-3312	C003	284-8610
DARIGOLD INC	-3911	C003	284-8120
652 TOOL TOWN	-3912	C003	284-7220
680 BASKIN-ROBBINS ICE CREAM	-3912	C003	281-1166
900 PACIFIC APPLIANCE CO	-3912	C003	284-9372
901 LEATHERCARE INC	-3608	C003	283-2131
904 ELLIOTT BAY ART GLASS	-3607	C003	285-2225
912 KIDSPACE	-3608	C003	283-4090
921 GREG THOMPSON PRODUCTIONS INC	-3608	C003	282-3622
934 MORRIS SCALE CO	-3607	C003	281-0885
PHILLIPS SCALE CO	-3608	C003	545-0334
945 CONTRACT HARDWARE INC	-3608	C003	284-6080
948 SEATTLE CYCLES	-3607	C003	298-4770
954 COAST PRODUCTS	-3608	C003	285-2900
Odonnell Lawrence T	-3608	C003	285-5120
963 TBT TOWING	-3607	C003	932-5492
1030 KOLLMAR SHEET METAL	-3610	C003	283-2330
1038 WILSON MACHINE WORKS	-3610	C003	282-7560
1039 C BLACKSTOCK LUMBER CO	-3609	C003	284-1313
1107 GARDICO INC	-3102	C003	283-5850
1108 BALLARD REFINISHERS DEES UPHOLSTERY & CLEANING	-3103	C003	783-0707
FURNITURE RENOVATING	-3103	C003	789-8431
1110 FURNITURE ENTERPRISES	-3103	C003	767-7201
1111 ACTIONPROPS ORIENTAL FURNITURE WAREHOUSE	-3102	C003	767-0304
VERTICAL CLUB	-3102	C003	284-3044
1140 TACO TIME	-3103	C003	283-3139
1143 ACE TANK & EQUIPMENT CO	-3102	C003	283-9056
1170 BURGER KING	-3103	C003	282-7525
1400 BRADLEE DISTRIBUTORS INC	-3102	C003	281-5000
1405 CENTRAL LITHOGRAPH	-3103	C003	284-1176
DEBORAH DOHNE	-3124	C003	284-8400
FLUX INC	-3104	C003	283-1110
IMAGO INC	-3104	C003	283-2780
KEVIN NAMES	-3104	C003	285-9220
OTEC BILLING SVC	-3104	C003	284-7492
WASHINGTON PAPER CO. WOODWORKS OF ORNAMENTAL DESIGN	-3104	C003	284-7422
Dohne Deborah	-3104	C003	282-3181
Emery Leslie	-3104	C003	283-2780
Lane Carolyn R	-3104	C003	283-5414
Names Kevin	-3104	C003	283-7354
Schultz Elke	-3104	C003	285-9808
Soulin Gregory	-3104	C003	284-0703
1408 LEGAL COPY INC	-3124	C003	281-6158
1414 SEATTLE CONSTRUCTION RESOURCES	-3124	C003	281-7705

W ELLIOTT AVE cont'd

Address	Zip+4	Carr Rte	Phone
1416 SEATTLE CARPET CTR	-3124	C003	285-7500
1417 BLACK CANYON OUTLET	-3104	C003	282-3940
1419 EX OFFICIO OUTDOOR SPORTSWEAR	-3104	C003	283-1471
LASER LIFE	-3104	C003	282-5564
Conkle Michael	-3104	C003	282-1492
1421 C & B SALES INC	-3104	C003	281-1611
1425 ARB AIR LOCKER INC	-3104	C003	284-5906
1432 MC NAMARA BANNER & SIGN	-3124	C003	284-0609
MIDORI INC	-3124	C003	282-3595
1435 PROP & COSTUME	-3104	C003	284-9002
Chinn Jerry	-3104	C003	284-8992
1436 SUPERIOR EMBROIDERY INC	-3124	C003	283-7906
1438½ KRAT ALL	-3124	C003	282-9307
1440 ELLIOTT BAY WOODWORKS	-3124	C003	283-8391
1445 SWEET DREAMS BAKERY	-3104	C003	283-2281
1452 PROPRINT	-3124	C003	283-5515
Scott J	-3124	C003	284-3823
1456 FRANK JAMES AUTOMOTIVE SVC	-3124	C003	285-7074
1458 DI STEFANO WINERY LTD	-3124	C003	282-6484
1461 BALTAM TRADING INC FARWEST TOYS GAMES & HOBBIES	-3104	C003	284-7007
1465 BUDGET MAILING SVC	-3104	C003	282-5801
1469 ARROW PRINTING	-3104	C003	285-9582
1471 DAVE LONEY DESIGN & ADVRTSNG	-3104	C003	283-0362
SAM PAYNE & ASSOC	-3104	C003	285-2009
1473 ROGER NACHMAN ARCHITECTURAL	-3104	C003	281-9406
Johanson David	-3104	C003	301-9567
Nachman Roger	-3104	C003	281-9408
1475 Randel Seth	-3104	C003	283-7948
1476 ALBERT LEE FURNITURE & APPL CO	-3124	C003	282-2110
1477 DE KLERK PRODUCTIONS	-3104	C003	284-5509
Minkler Randy F	-3104	C003	285-9284
1501 BUDGET BATTERIES PRECISION MOTORWORKS			285-4075 282-1000
1519 TURNER & PEASE CO			622-1783
1401? GENLINK INTERNET SVC			270-9252

BUSINESSES 123 HOUSEHOLDS 38

S ELLIS AVE (S) 98108

6250 COLORADO STEEL SASH CO	-2734	C024	764-8400
6257 Adams William H	-2735	C024	763-9414
6263 SPARTAN ELECTRIC SVC INC	-2736	C024	763-1144
6273 Peterson Henry	-2736	C024	764-4440
6276 ACME FOOD SALES INC	-2734	C024	782-1357
6279 Martin Kenneth	-2735	C024	763-6860
6297 Guzman Ted	-2735	C024	762-3912
6308 Vasquez George	-2736	C024	767-4446
6309 Bento Lori	-2737	C024	763-3511
Bento Michael	-2737	C024	763-3511
6311 Fiber Terry	-2737	C024	767-4961
6404 JULIUS ROSSO WHOLESALE NURSERY	-2736	C010	763-1898
6421 Bradley J K	-2739	C010	767-6486
6507 Tepkhoom Keo	-2741	C010	763-2788
6509 Vorachith Khambay	-2741	C010	763-8403
6511 Stanley Mark	-2741	C010	762-5606
Tallefson L	-2741	C010	767-9982
6517 Binford Noreen	-2741	C010	767-2629
White R M	-2741	C010	762-7422
8523 Aeberhard Ronald E	-2741	C010	768-1028
6525 T & W POWER-STEERING PUMPS	-2741	C010	762-1082
6526 US FAA	-2760	C010	764-6606
6607 Chan Samnang	-3521	C010	767-4857
6633 Rezek Donald	-3521	C010	767-4811
6653 Schirmer Kathleen	-3521	C010	762-4315
Tufono Roy	-3521	C010	763-6727
6661 Sawyer Patrick	-3521	C010	767-5409
6701 Fox Larry	-3523	C010	764-0702
6715 Hamilton D	-3523	C010	763-9309
6719 Keppler Herbert	-3523	C010	767-9518
6731 Coppola S	-3523	C010	762-3965
6736 AIR NATIONAL GUARD	-3522	C010	764-4298
AIR NATIONAL GUARD	-3522	C010	784-5600
6901 Morris Kathleen	-3525	C010	763-5209
Morris Tom	-3525	C010	763-5209
6909 Parrott Catherine	-3525	C010	763-0604

BUSINESSES 8 HOUSEHOLDS 28

SW ELM PL (S) 98116

1107 Neibauer Chris	-1714	C001	933-6945
Panco K	-1714	C001	933-6945
1109 Adamov Artur	-1714	C001	938-2975
Stacy Garth E	-1714	C001	937-3693
1119 Lagmay Leonard	-1714	C001	938-2407
Lagmay Naomi	-1714	C001	938-2407

HOUSEHOLDS 8

S ELMGROVE ST (S) 98108

625 ROSKELLEY/OLSSON YACHT DAVITS	-4348	C007	485-1305
ROSKELLEY/OLSSON YACHT DAVITS	-4348	C007	485-1305
711 Clamant Orlo	-4348	C007	767-0366
727 Carrara Theresa L	-4348	C007	767-5801
Carrara Theresa L	-4348	C007	767-8001
730 Filimonov Mirosl	-4347	C007	783-8044
736 Dingus Warren	-4347	C007	764-9338
748 Schlosser Neil L	-4347	C007	763-2535
1015 Bolz Dean	-4427	C007	762-7221
1040 Bryce Wayne	-4426	C007	763-9532
Childers George M	-4426	C007	762-5244
1049 Fassenden Terry	-4427	C007	764-1879
1055 Kracke Kevin	-4427	C007	767-7967

ZIP CODE 98118

3044 Bizzell Mary L	-4325	C014	722-9635
4202 Santos Benjie	-4452	C035	722-9737
4203 Corellias Jose Jr	-4451	C035	721-5085
Vargas Felino T	-4451	C035	723-0857
4209 Wilson Agripi	-4451	C035	722-8341
4215 Hiquiana Emy	-4451	C035	725-4942
Hiquiana Jose	-4451	C035	725-4942
4218 Ironon Anthony	-4452	C035	723-4907
Ironon Leticia	-4452	C035	723-4907
4219 Zambrano Trinid	-4451	C035	723-5097
4222 Gallardo J	-4452	C035	725-0126
Mabansag Chriss	-4452	C035	723-8388
4227 Thomas John	-4451	C035	725-9559
4230 Banks Mary Sr	-4452	C035	722-5301
Banks Porter F Sr	-4452	C035	722-5301
5004 Paciab Shto	-4418	C015	722-6810
5007 Miguel Rogelio C	-4417	C015	722-3542

BUSINESSES 2 HOUSEHOLDS 28

SW ELMGROVE ST (S) 98106

1009 Heraford David	-2121	C041	762-7680
1015 Perry David Jr	-2121	C041	762-0458
1110 Steele James R	-2122	C041	762-8743
1117 Suwat F M	-2123	C041	762-8891
1218 Gile Cory D	-2124	C041	762-5857
1708 Frankforter Hazel	-1678	C042	762-1008
2202 Hopkins William	-1721	C052	763-9823

ZIP CODE 98126

2712 Spangler Charles B	-3542	C051	937-6795
2722 Ly Nhi	-3542	C051	935-8873
2723 Bartol Eugene F	-3541	C051	937-3619
3007 Parker Maxine	-3545	C051	932-7816
Parker R L	-3545	C051	932-7816
3011 Hoglin Harry	-3545	C051	937-8127
Leahy Monte	-3545	C051	937-8127
3012 Jefferson R	-3548	C051	937-9764
3017 Schneller S L	-3545	C051	937-6430
3615 Hightower Brian	-3418	C072	937-4598
Hightower Jill R	-3418	C072	935-1309
3516 Smith Jim	-3417	C072	932-5344

SW ELMGROVE ST cont'd

Address	Zip+4	Carr Rte	Phone
3519 Ayamin Lloyd	-3416	C072	937-4309
3530 Printz Jim	-3417	C072	935-2302
3533 Haag Bob	-3416	C072	938-4362
3541 Brown Charles	-3416	C072	932-2846
3545 Antel Paul	-3416	C072	939-2477
Antel Paul	-3416	C072	938-2477
3711 Lawrence Theo M	-3418	C072	935-8779
3712 Leigh P	-3419	C072	937-0900
3716 Stromberg Velta M	-3419	C072	937-8650
3717 Green Carter H	-3418	C072	935-7611
3723 Ahinaea Mark	-3418	C072	937-1056
Houston J	-3418	C072	937-1056
3726 Fekete Blaise	-3419	C072	935-5509
3732 Shafter P	-3419	C072	935-8722
3735 Poska A M	-3418	C072	932-5057
3738 Hoffman Tom	-3419	C072	937-4738
3743 Kulik Mieczy	-3419	C072	935-5501
3747 Galiani C M	-3419	C072	937-8316
3749 Boyd Bobbi	-3419	C072	937-3353
Boyd Jalmi	-3418	C072	933-8228
Boyd Jayson	-3419	C072	933-8546

ZIP CODE 98136

3900 Mortensen Donald	-2327	C056	938-2630
3921 Spencer J	-2326	C056	938-8658
3924 Lambert Richard	-2327	C056	935-2980
3929 Barfoot William	-2326	C056	937-5403
3932 Huden L E	-2327	C056	937-1982
3935 Bond Thomas J	-2326	C056	933-0657
3939 Phillips William A	-2326	C056	937-4121
3942 Hoover Ruth M	-2327	C056	937-4517
Hudson Rose	-2327	C056	937-4517
3944 McAlpine F W	-2327	C056	932-5770
3945 Boman L A	-2326	C056	938-4125
Hubbard Serene C	-2326	C056	938-4125
3951 Eagle Jeremy L	-2326	C056	938-8873
4106 Bellamy John R	-2329	C056	938-4282
4110 Lyshall Arnold P	-2329	C056	937-7691
4122 Bailey B A	-2329	C056	935-8729
4123 Johnson Vernon	-2328	C056	935-6024
4127 Taylor Julia	-2328	C056	938-4636
Taylor Thomas B	-2328	C056	938-4636
4131 Wike Chris	-2328	C056	937-4747
4136 Sears Ernest D	-2329	C056	932-8186
4137 Smith Paul S	-2329	C056	932-3879
4142 Pope R G	-2329	C056	937-6808

HOUSEHOLDS 83

W ELMORE PL (S) 98199

2800 Burrows David A	-1739	C086	282-5870
Rogers Thomas C	-1739	C086	284-3021
2801 Meralinla Behrooz	-1738	C086	284-4411
Meralinla Natalie	-1738	C086	284-4411
2803 Middleton Michael	-1739	C086	283-1439
2805 Santoro H	-1739	C086	282-6658
2806 Meyers Susan K	-1739	C086	270-9707
2809 Dempsey Dan	-1738	C086	285-7691
Dempsey Daniel	-1738	C086	285-7691
Dempsey Daniel	-1738	C086	298-9589
Dempsey John D	-1738	C086	285-7681
2811 Knudsen Chris	-1739	C086	292-7207
Knudsen Phil	-1738	C086	282-7207
2812 Garrou Douglas M	-1739	C086	283-1630
Garrou Sharon	-1739	C086	283-1630
2816 Bettine P	-1739	C086	283-8756
Christie Doug	-1739	C086	284-9336
Holt Ben C	-1739	C086	283-4525
2819 Sullivan Maurice P	-1738	C086	282-8284
2820 Mowery Roger D	-1739	C086	284-2081
2825 Havel Raymond M	-1738	C086	284-2956
Hoodenpyle Charles	-1738	C086	284-4462
2832 Sommers H E	-1739	C086	283-6388

HOUSEHOLDS 23

W ELMORE ST (S) 98199

2110 AMERICAN MAN ALPHA SVC CTR	-1242	C005	285-8191
2122 SEATTLE CARGO CONTROL SYSTEMS	-1242	C005	283-2549
SEATTLE TARP INC	-1242	C005	285-2819
2209 MEXICAN ARTISTIC IRON & BRASS	-1243	C005	285-3607
Torres Carlos	-1243	C005	283-0346
Torres Roman E	-1243	C005	285-3607
2702 Little Charles	-1520	C086	282-5869
Reuter David	-1520	C086	284-5367
Studer Dean	-1520	C086	282-5869
Verbrugger Kael	-1520	C086	282-5869
2703 Palamar Scott	-1519	C086	284-1803
2706 Hickman Ernest K	-1520	C086	283-9439
2715 Meyerles Rick	-1519	C086	284-8752
2718 McMacken Terry Jr	-1520	C086	285-2809
2907 Foege Tom	-1405	C086	282-1388
Foege Vicki	-1405	C086	282-1388
2910 Gilbert Tom	-1408	C086	285-6963
2915 Caffiere Leslie L	-1405	C086	283-6638
2921 Allred Jean L	-1405	C086	285-6866
3010 Greenough Gwen E	-1407	C097	282-4274
3016 Britt James F	-1407	C097	285-8285
3100 Marcus Harry	-1409	C097	282-5513
3109 Bloomquist A E	-1408	C097	285-5395
3114 Kalinowski Andrew	-1409	C097	217-9436
3306 Fitch Jon M	-1306	C097	284-8275
3208 Cook C	-1376	C097	284-1337
3301 Conrad I B	-1314	C097	286-8909
3302 McKelvey W P	-1315	C097	283-1183
3308 Halverson Robert M	-1315	C097	282-2276
3317 Navtel J M	-1314	C097	285-3580
3411 Frechette Nicole	-1370	C097	283-9340
3415 Northey Maxine	-1370	C097	285-1985
Northey T R	-1370	C097	285-1985
3510 Hocking Paul	-1359	C067	285-6511
Roberts Lisa	-1359	C067	217-0513
Runcos Ann M	-1359	C067	286-3811
Shane Judith	-1359	C067	282-3556
Wasilewski Krzysz	-1359	C067	286-3611
Wilson Elizabeth	-1359	C067	286-0502

BUSINESSES 4 HOUSEHOLDS 35

S ELMWOOD PL (S) 98144

2705 Falkenbury Dick L	-3131	C032	325-2667
Porter Michele	-3131	C032	325-3349
Young Shawn	-3131	C032	322-9071
2711 Osmolski L	-3131	C032	860-0586
2716 Groh Scott	-3131	C032	329-3844
Groh Simone	-3131	C032	329-3844
2716 White K G	-3132	C032



The EDR-City Directory
Abstract

Leather Care
901 Elliott Avenue West
Seattle, WA 98119

Inquiry Number: 1561125.5

Tuesday, November 22, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. The city directory is a sophisticated tool for locating individuals and businesses. With each address, the directory lists the name of the corresponding occupant.

References

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historcal sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

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Data Gaps

In order to address data gaps, additional sources of information may be consulted. According the AAI, Section § 312.20 (g), *"to the extent there are data gaps (as defined in § 312.10) in the information developed that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources: Nov 29, 2005

Target Property:
901 Elliott Avenue West
Seattle, WA 98119

Year	Uses	NAICS	Source
1962	American Conserving Co	N/A	Polk's City Directory
1968	American Conserving Co	N/A	Polk's City Directory
1973	American Conserving Co	N/A	Polk's City Directory
1978	American Conserving Co	N/A	Polk's City Directory
1983	American Conserving Co	N/A	Polk's City Directory
1988	Leathercare Inc	N/A	Polk's City Directory
1996	Leathercare Inc	N/A	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Seattle, WA 98119

Year	Uses	NAICS	Source
1962	** ELLIOT AVE W **	N/A	Polk's City Directory
	Pacific Appliance Co (900)		
	Hersey Sparling Meter Co (904)		
	Building (6 units) (912)		
	Better Built Furniture Mfg (921)		
	No other addresses 801 to 921 Elliot Ave W		
1968	** ELLIOT AVE W **	N/A	Polk's City Directory
	Pacific Appliance Co (900)		
	Address not listed in research source (904)		
	Building (2 units) (912)		
	Better Built Furniture Mfg (921)		
	No other addresses 801 to 921 Elliot Ave W		

TOPOGRAPHIC MAPS



EDR Historical Topographic Map Report

Leather Care
901/921 Elliott Avenue West
Seattle, WA 98119

Inquiry Number: 1561125.4

November 28, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

BRU

Quadrangle Relation Chart

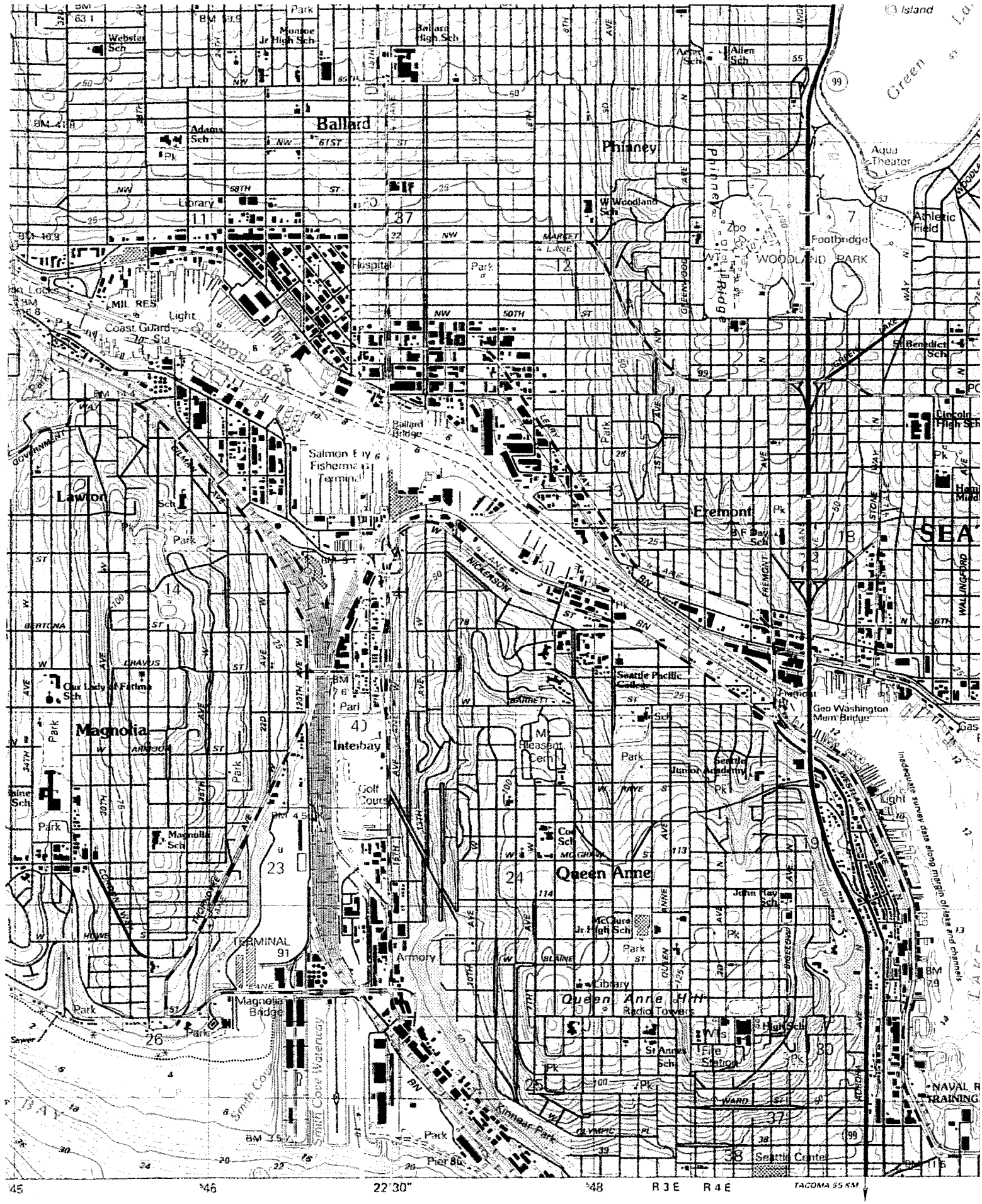
Inquiry # 15611125.4

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Seattle North, WA.

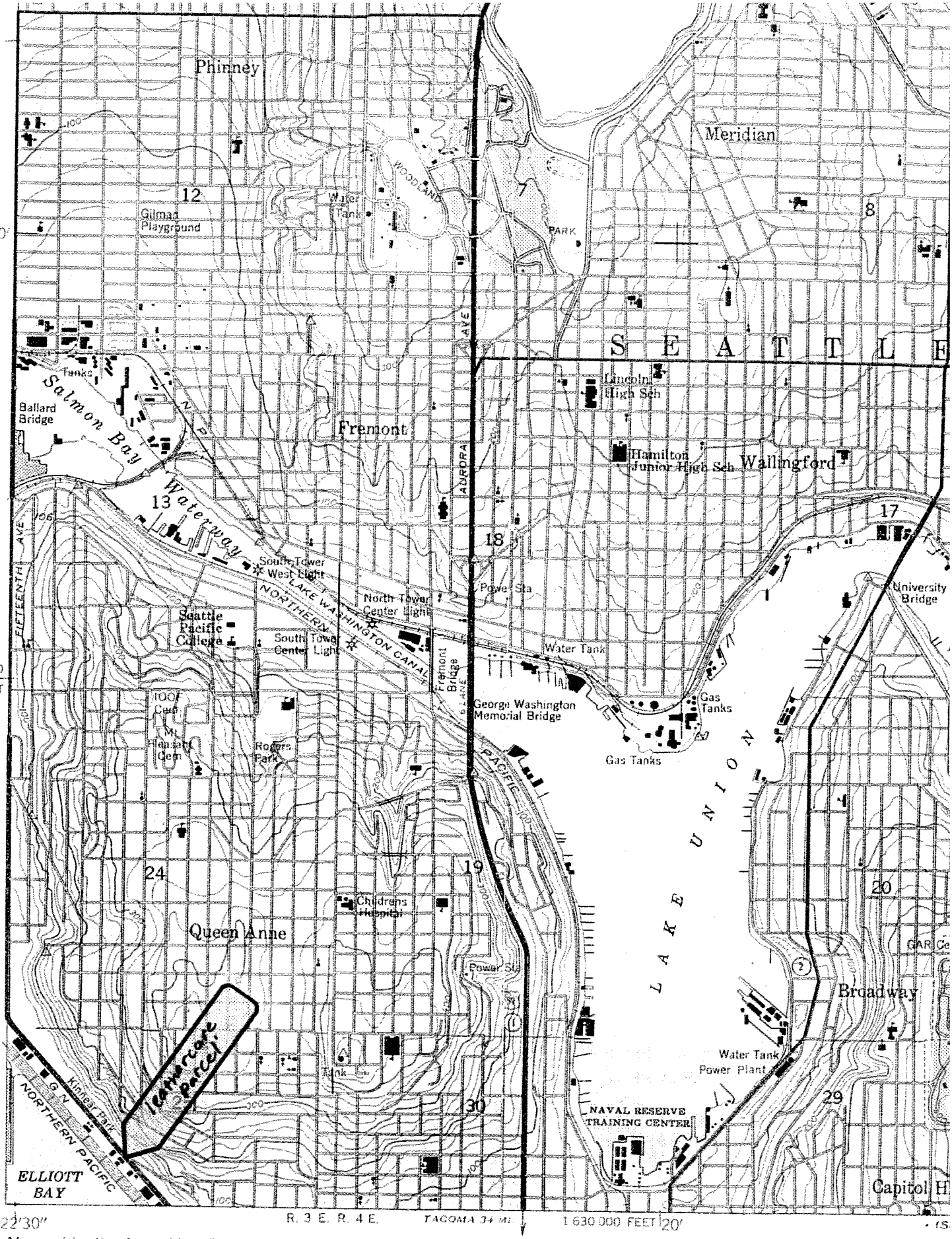
Adjoining:

Seattle South, WA.

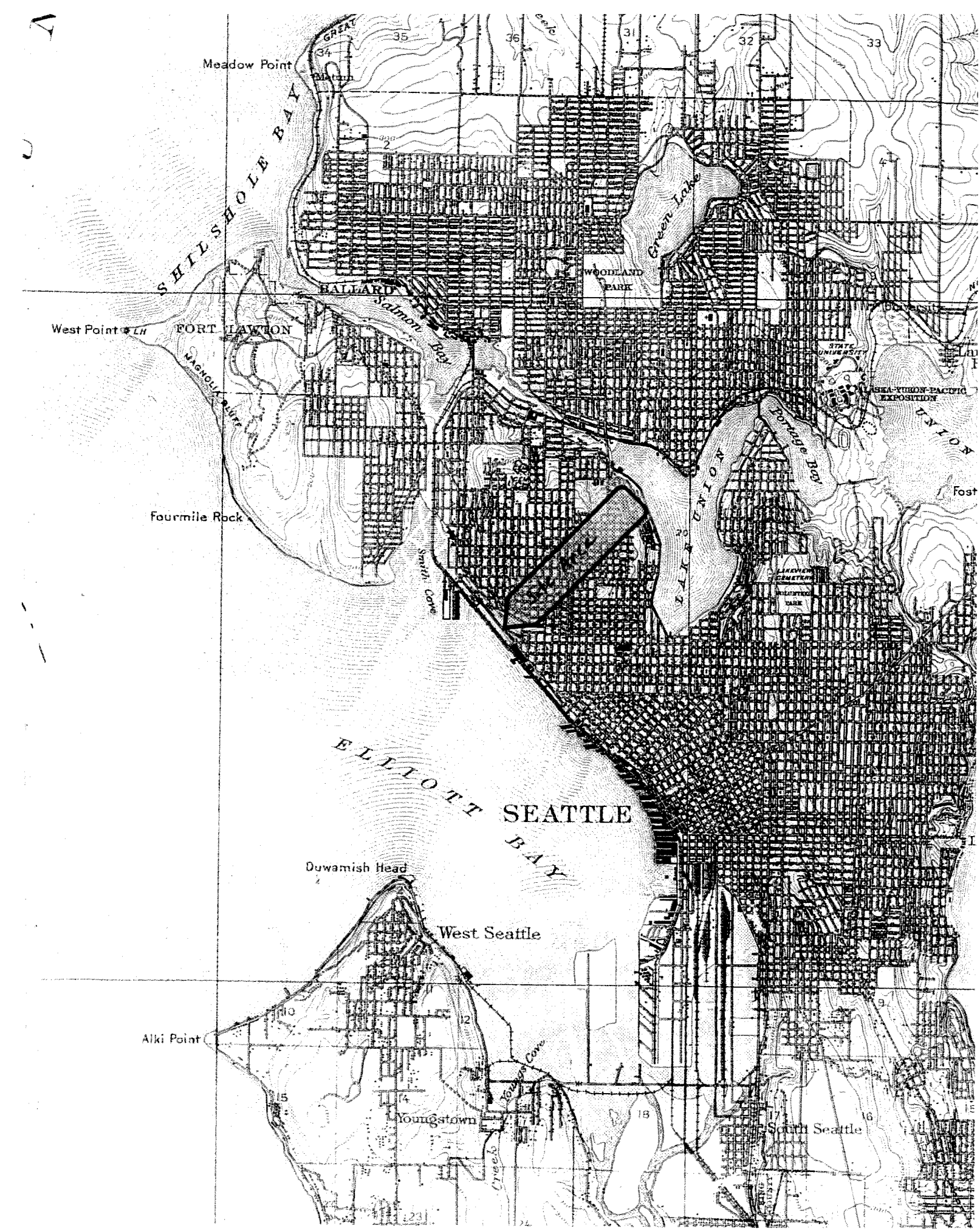

Ballard
Phinney
Fremont
Lawton
Magnolia
Interbay
Queen Anne
Woodland Park
Zoo
Aqua Theater
Athletic Field
Footbridge
Ballard Bridge
Fishermans Terminal
Salmon Bay
Lake Washington Ship Canal
Lake Union
Green Lake
Coast Guard Sta
Light
Hospital
Library
Adams Sch
Ballard High Sch
Monroe Jr High Sch
Webster Sch
Allen Sch
W Woodland Sch
St Benedict Sch
Lincoln High Sch
Seattle Pacific College
Geo Washington Mem Bridge
Our Lady of Fatima Sch
Magnolia Sch
McClure Jr High Sch
John Tay Sch
St Annes Sch
Fire Station
Armory
Library
Queen Anne Hill Radio Towers
Magnolia Bridge
Smith Cove Waterway
Kinnear Park
Pier 86
Seattle Center
TERMINAL 91
Golf Course
Junior Academy
NAVAL R TRAINING
Intermittent survey data along margin of lake and channels
22'30"
R3E
R4E
TACOMA 55 KM
SCALE 1:25 000
1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
CONTOUR INTERVAL 5 METERS

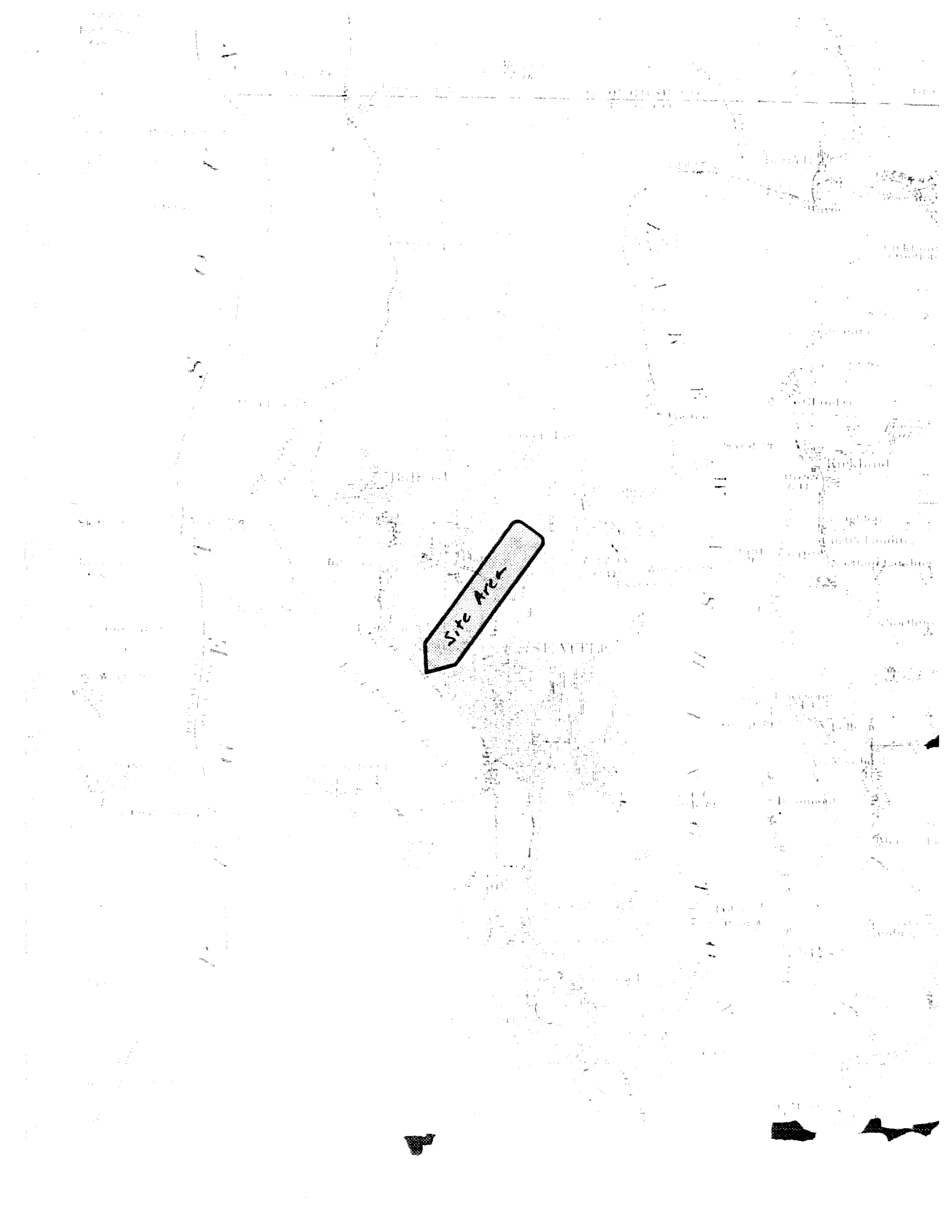


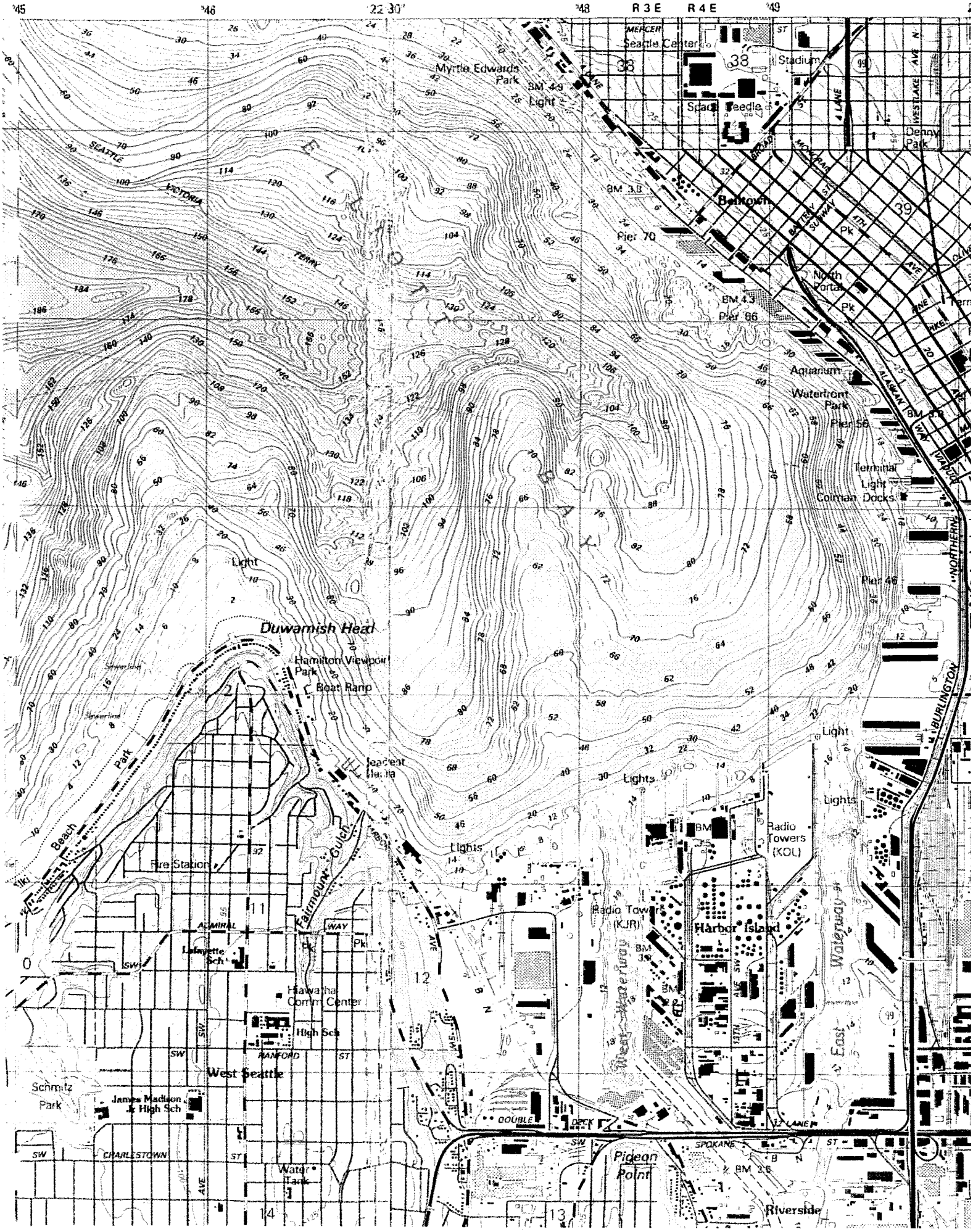
Mapped by the Army Map Service
Published for civil use by the Geological Survey
Control by USC&GS and King County Engineer office
Topography from aerial photographs by multiplex methods

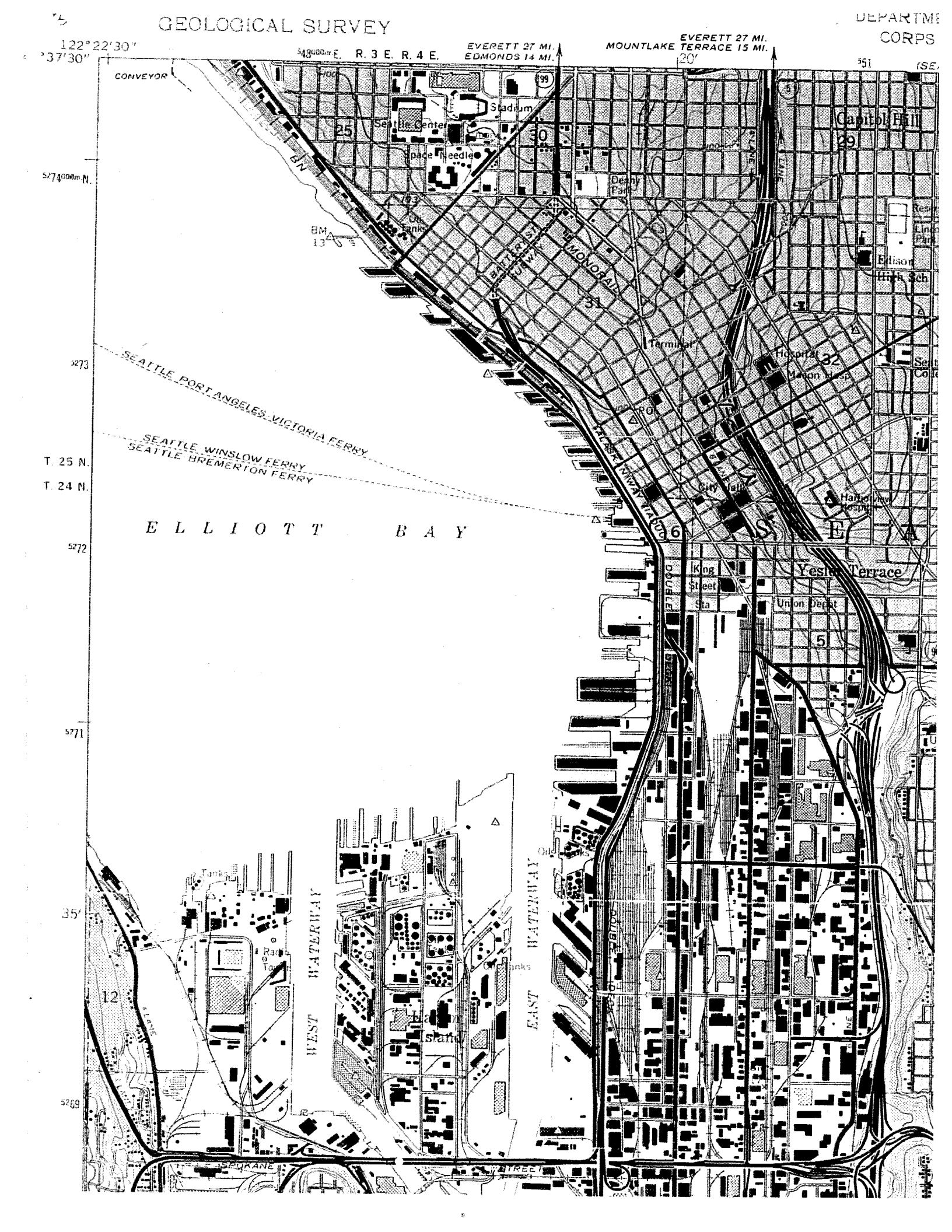


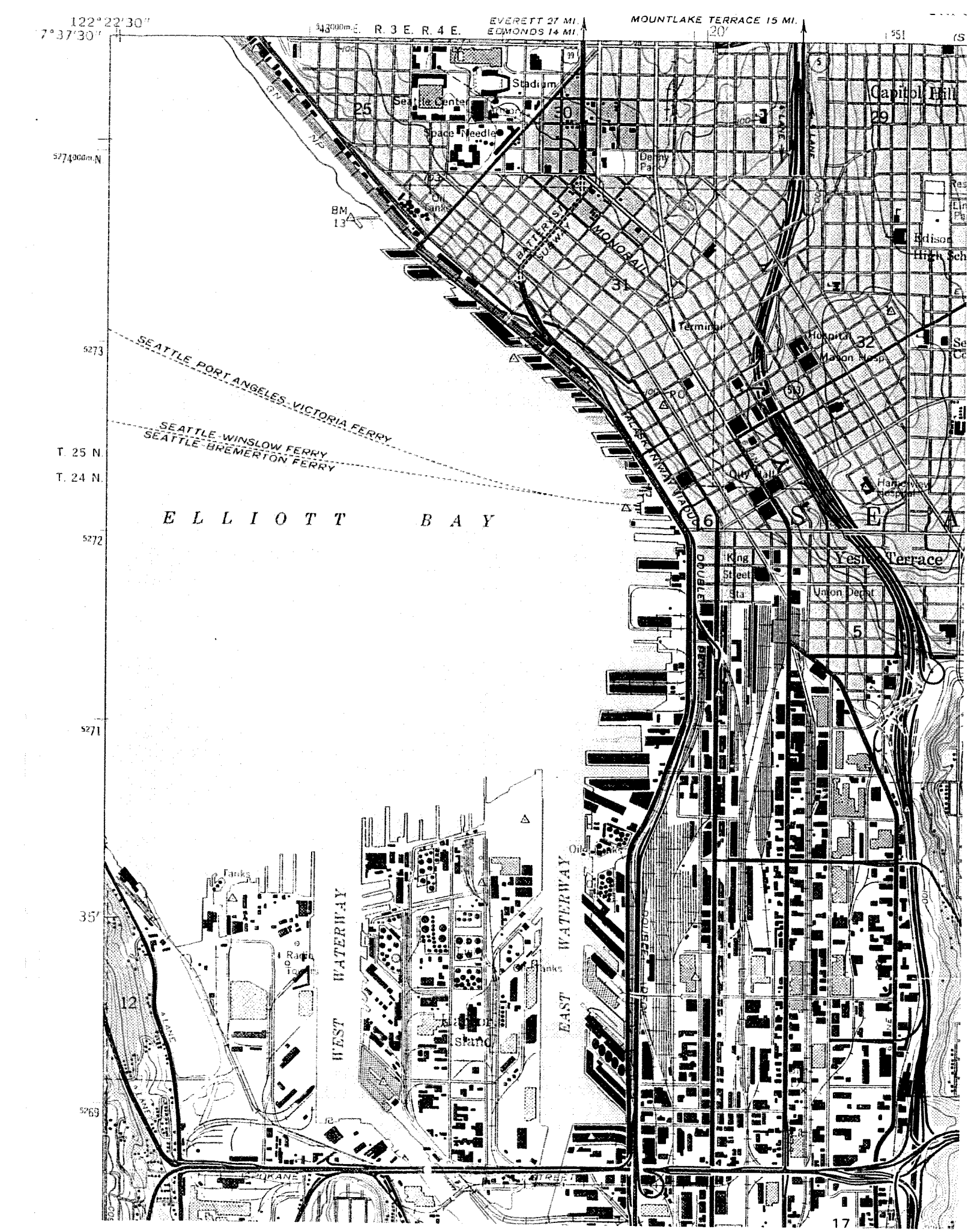
Mapped by the Army Map Service
Published for civil use by the Geological Survey
Control by USC&GS and King County Engineer office
Topography from aerial photographs by multiplex method

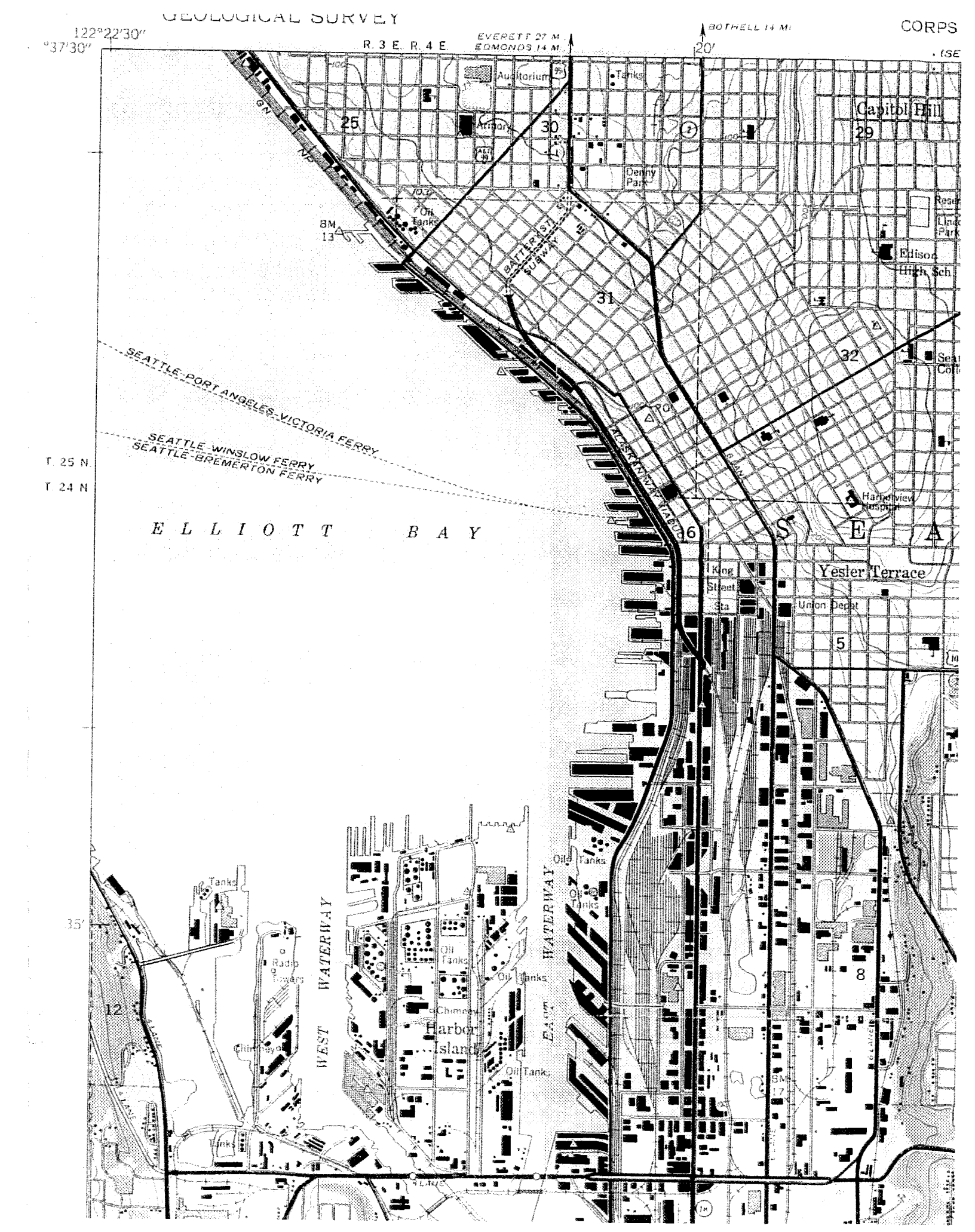

Meadow Point
SHILSHOLE BAY
BALLARD
Salmon Bay
West Point
FORT LAWTON
MAGNOLIA BLUFF
Fourmile Rock
Smith Cove
Green Lake
WOODLAND PARK
STATE UNIVERSITY
ALASKA-YUKON-PACIFIC EXPOSITION
Portage Bay
LAKE WASHINGTON
LAKEVIEW CEMETERY
VOLUNTEER PARK
ELLIOTT BAY
SEATTLE
Duwamish Head
West Seattle
Alki Point
Youngs Cove
Youngstown
South Seattle


Site Area


R3E
R4E
Seattle Center
Stadium
Space Needle
Myrtle Edwards Park
BM 4.9
Light
Denny Park
Belltown
BM 3.8
Pier 70
North Portal
Pk
BM 4.3
Pier 86
Aquarium
Waterfront Park
Pier 56
BM 3.8
Terminal
Light
Colman Docks
Pier 46
Light
Duwamish Head
Hamilton Viewpoint Park
Boat Ramp
Seacrest Marina
Lights
Lights
Lights
Light
Radio Towers (KOL)
Radio Tower (KJR)
Harbor Island
Fire Station
Fairmount Gulch
Beach Park
Lafayette Sch
Hiawatha Comm Center
High Sch
West Seattle
Schmitz Park
James Madison High Sch
Water Tank
Pigeon Point
BM 2.6
Riverside
ELLIOTT BAY
West Waterway
Waterway
ALASKAN WAY
NORTHERN
BURLINGTON
MERCER
DENNY WAY
WESTLAKE AVE N
5TH AVE
BATTERY ST TUNNEL
ALASKAN WAY VIADUCT
ELLIOTT AVE
2D AVE
PIKE
ALASKAN WAY
SEATTLE
VICTORIA
TERRY
ADMIRAL WAY
CHARLESTOWN ST
RANFORD ST
SPOKANE ST
DOUBLE DECK
13TH AVE SW
SW
AVE
ST
PL
WAY
Pk


GEOLOGICAL SURVEY
DEPARTME
CORPS
122°22'30"
37'30"
548000m E.
R. 3 E.
R. 4 E.
EVERETT 27 MI.
EDMONDS 14 MI.
EVERETT 27 MI.
MOUNTLAKE TERRACE 15 MI.
20'
CONVEYOR
Stadium
Seattle Center
Space Needle
Capitol Hill
Denny Park
Oil Tanks
BM 13
BN
MONORAIL
BATTERY ST. TUNNEL
Edison High Sch
Terminal
Hospital
Union Hosp.
SEATTLE PORT ANGELES VICTORIA FERRY
SEATTLE WINSLOW FERRY
SEATTLE BREMERTON FERRY
T. 25 N.
T. 24 N.
5274000m N.
5273
5272
5271
5269
E L L I O T T B A Y
ALASKAN WAY
King Street Sta
Union Depot
Yesler Terrace
WEST WATERWAY
EAST WATERWAY
Radio Tower
Tanks
SPOKANE
STREET
DUWAMISH


122°22'30"
47°37'30"
543000m.E.
R. 3 E.
R. 4 E.
EVERETT 27 MI.
EDMONDS 14 MI.
MOUNTLAKE TERRACE 15 MI.
5274000m.N
5273
5272
5271
5269
T. 25 N.
T. 24 N.
Stadium
Seattle Center
Space Needle
Capitol Hill
Edison High Sch
Denny Pk
Oil Tanks
BM 13
BATTERY ST. SUBWAY
MONORAIL
Terminal
Hospital
Mason Hosp
SEATTLE-PORT ANGELES-VICTORIA FERRY
SEATTLE-WINSLOW FERRY
SEATTLE-BREMERTON FERRY
ELLIOTT BAY
ALASKAN WAY VIAD
City Hall
King Street Sta
Union Depot
Yesler Terrace
DOUBLE DECK
WEST WATERWAY
EAST WATERWAY
Tanks
Grain Elevators
Grain Elevator
Stand
SPOKANE ST.
25
30
29
31
32
6
5
12
35'
20'
17


GEOLOGICAL SURVEY
CORPS
122°22'30"
37'30"
R. 3 E.
R. 4 E.
EVERETT 27 M.
EDMONDS 14 M.
BOTHELL 14 MI
20'
Auditorium
Tanks
Armory
Capitol Hill
Denny Park
Oil Tanks
BM 13
BATTERY ST. SUBWAY
Edison High Sch
SEATTLE-PORT ANGELES-VICTORIA FERRY
SEATTLE-WINSLOW FERRY
SEATTLE-BREMERTON FERRY
T. 25 N.
T. 24 N.
ELLIOTT BAY
ALASKAN WAY VIA BR
Harborview Hospital
S E A
King Street Sta
Union Depot
Yesler Terrace
Tanks
Radio Towers
Chimney
Harbor Island
WEST WATERWAY
EAST WATERWAY
Oil Tanks
BM 17
25
30
29
31
32
6
5
8
12

EDR Historical Topographic Map Report

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References

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TAX ASSESSOR RECORDS

FOLIO 1884

PERMIT No. 381698

DATE 7-25-47

ADDITION G K Kinnears Supl. Add. Section Twp. Range Ewm Block 31 Tract or Lot 5+6

Lots 5+6 Less Per fronting Lot 16 Blk 150 STL

909 Elliott Ave W

Fee Owner J.D. Schwartz Addr

Condition of Exterior G Interior G Foundation G Floor

USE Cold Storage

- 1 No. Stories
- No. Stores
- No. Rooms
- Basement
- No. Offices
- No. Apartments
- 1 rm. 2 rm. 3 rm.
- 4 rm. 5 rm. 6 rm.

ROOF CONSTRUCTION

- Frame Lam
- Mill Construction
- X Rein. Concrete 7"
- No. Trusses
- Wood Steel

ROOFING MATERIAL

- Tar and Gravel

Or

FLOOR FINISHES

- Fir Maple
- Oak 2" x 6" T&G
- Lino. 3" x 6" T&G
- X Cement
- Terrazzo
- Raecolith
- Tile

Or

Tile Lino.

Tile Total: Baths Fl. Walls; Sq. Ft. Floors; Sq. Ft. Walls; Lin. Ft. Dr. Bds.

Lino. Total: Sq. Ft. Floors; Sq. Ft. Walls; Lin. Ft. Dr. Bds.

Kit's. Fl. Walls

PLUMBING

- 8 No. Fixtures
- R Toilets
- 1 Tubs, Leg or Pem.
- 2 Basins, Ped.
- Sinks
- Urinals
- Showers (Tub) (Stall)
- Laundry Trays
- H.W. Tank Fl. Drains
- Sprink. Sys. No. Hds.

TYPE OF CONSTRUCTION

- Frame
- Single Double
- Ordinary Masonry
- Mill Construction
- X Class A Rein. Con.
- Stru. Steel and Con.
- Tile Brick
- Con. Rein. Con.

Good X Med. Cheap

Date Built 1947 X Finished Unfinished Remodeled

Effective Age Years Future Life Years

Dep. for Cond. Dep. for Ob. Dep. for Es. Total 50

HEATING

- Stove
- Pipeless Furnace
- Gravity H. A.
- Air Cond., Fan
- Arcola
- 1-Pipe Steam
- 2-Pipe St. or Vapor
- Hot Water
- Oil Burner 14300
- Coal Stoker

FOUNDATION

- Mud Sills
- Post and Pier
- Brick
- X Concrete 12"
- Pile

BASEMENT

- Full %
- Sub-Basement
- Size x
- Garage No. Cars
- Floors
- Plastered
- Living Rooms
- Service Rooms

WIRING

- Knobe & Tube
- Flex Cable
- X Conduit
- Power Wiring
- Range Wiring
- No. Outlets

ELEVATORS

- Pass. Freight
- Auto. Elec.
- Man. Hyd.
- Man.

Other Buildings $

Total $

Assessed Value 50% $

Sup. Building A. V. $

Total $

EXTERIOR WALL CONSTR.

- Single Double
- 2" x 4" Stud Walls
- 2" x 6" Stud Walls
- Brick Walls
- Brick With Pilasters
- X Concrete Walls 12"
- X Con. With Pilasters
- Tile Walls
- Rein. Con. Steel
- X Conc Pile Filler Walls
- Laminated Walls

INTERIOR WALLS

- Stud and Plaster
- Lam. Plastered
- Ply Wood
- Ceiled
- Plaster Board
- Painted
- Stain Varnish
- Kalsomine
- Whitewashed
- X Unfinished

GAS STATIONS

- Frame
- Metal
- Masonry
- Plastered or Ceiled
- Floors

SERVICE BUILDING

- Frame
- Metal
- Masonry
- Plastered or Ceiled
- Floors

TANKS, ETC., LIST

Hoists: Elect. Hyd.

DOCKS AND PIERS

- Treated Piles and Timbers
- Untreated
- Treated Piles only
- Average Length
- Paved

EXTERIOR FACING

- Siding Shingles
- Shakes Stucco
- Brick Veneer
- X Conc Kind
- Stone Cast S.
- Terra Cotta
- Struct. Glass
- Trim

INTERIOR TRIM

- Fir
- Mah. Oak
- Metal
- X Metal 8' Doors
- Windows
- Stained
- Varnished
- Painted
- Unfinished

FLOOR CONSTRUCTION

Joist Con. Size x

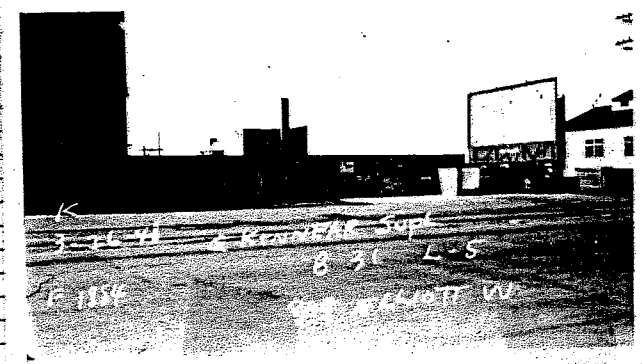
O. C. In Bridg

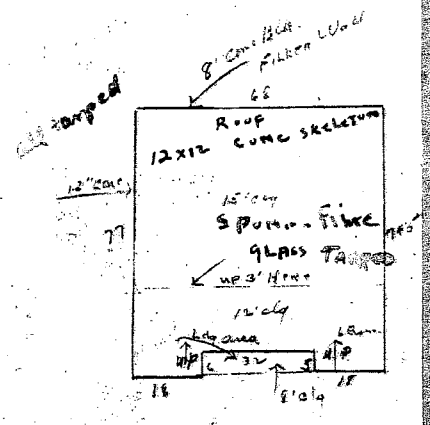
- Mill Construction
- X Rein. Con.

C. H.	
S. B.	
B	
1	12
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	

GROUND FLOOR AREA 5151.

TOTAL FLOOR AREA





	Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S.F. Area	Factor	Value	% Dep.	Depres.	Net Value
									$		$	$
	Garage								$		$	$
									$		$	$
									$		$	$

53

387990-2235 1890 9150 0010

01147

LIMITS	ROAD	SCHOOL	WATER	FIRE	TOTAL ACREAGE	TIMBER	IMPROVED	UNIMPROVED
DL								
1								

YR	AC	LAND	BLDGS	TOTAL	BY	DATE	REASON	FEL OTHER	DATE
1947		200	400	600	JH	7-45			
1949		200	10500	10700	R.L	4-48	400 a.v. Vacated, wrecked. Mobile home in 1947		
1951		200	9800	10000	RH	7-49	Per Tabs		
1952		(-)	1						
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									

1 DISTRICT 011
LIMITS O.L
CODE NO. 1
PERMIT NO.

2 ADDITION SUP. PLAT OF G. KINNEARS NAME
SECTION TWP. N. RANGE EWM: BLOCK 31 TRACT OR LOT NO. 6
DESCRIPTION

F 1884 • 4 2 7

3 ADDRESS—PROPERTY 901 - Elliott Ave. W. CONT. PURCHASER
4 FEE OWNER SUART Z, INC. 8-3-37
5 ARCHITECT CONTRACTOR

ORIG. COST $

6 BUILDING
warehouse
2 stories
1 apt.-above
7 rooms
9 rooms
2 rooms 1st floor

BASEMENT full
frame & conc. 2' 5'
cement floor

FOUNDATION
concrete

ROOF
composition

STORE FRONTS
marque 4 x 8

EXTERIOR
~~frame - siding~~
Limit brick on front & 1 side 1/2 way on side & in rear.

EXTRA FEATURES
none
CONSTRUCTION frame - ~~single~~ duplex - medium
MISCELLANEOUS See Remarks
7 CONDITION: EXTERIOR med. INTERIOR med. FOUND. good
8 MAIN SUPPORT COLUMN x FOOTING SPAN FT.
9 FIRST FLOOR JOIST INCH CENTERS BRIDGED
10 BUILDING finished
11 GROSS INCOME $ EXPENSE $ NET INCOME $
12 DEPRECIATION: COND. 30 % OBSLSE. % ECON. SUIT. % TOTAL 53 %
YEAR BUILT 1924 REMODELED
EFFECTIVE AGE 12 YEARS FUTURE LIFE 28 YEARS
DIMENSIONS 28 x 69 &x-10 x 16 SQUARE FT. AREA CUBIC FT.
1772

INTERIOR
plastered

FLOORS
9 fir - 1 cement

FIRE PLACE

PLUMBING ~~11~~ 8 fixtures
3 Toilets, 1 Tub, 2 Basins
1 Sink, 1 Hot Tank no sprinkl.

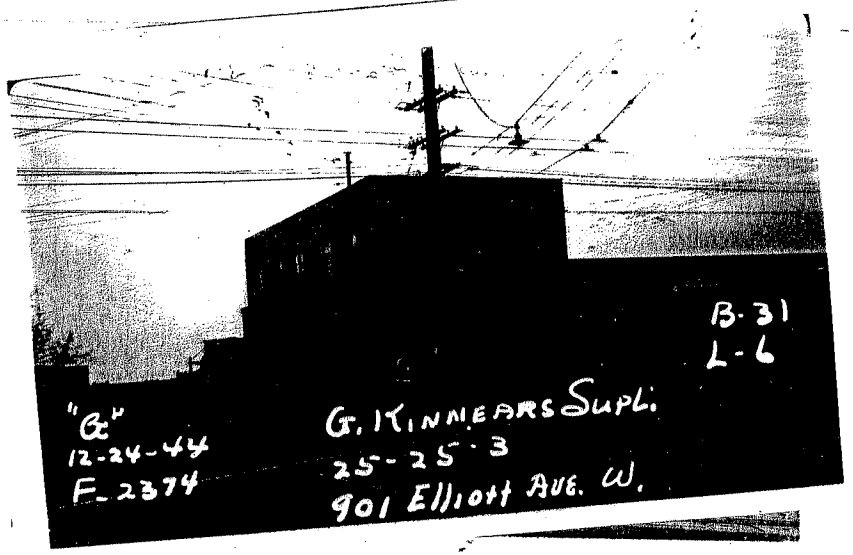
TILE WORK
none

WIRING

HEATING
hot water
radiation only 2nd floor

ELEVATORS
none

CEILING—HEIGHT
bsmt. 7' - 2nd floor. 8'4"
1st floor 11'



IMPROVEMENT VALUE
BUILDING $
~~MISC. BUILDING~~ $
LESS DEPRECIATION $ 3120
~~OTHER BUILDINGS~~
~~DEPRECIATED VALUE~~ $ 4500
~~TOTAL~~
~~OTHER BUILDINGS~~ $ 7040
~~ASSESSED VALUE 50%~~
~~ASSESSED VALUE 50%~~ $ 2920
DATE 7/6/37

LAND INFORMATION
1. SIZE x
level-below 3'
2. STREET—ROAD graded-paved-alley none
3. SIDEWALK
none-sewer-water
4. LANDSCAPING
none
5. TREND VALUE $
static
6. USE
business-View Elliott Bay
7. DISTRICT med. old

DISTRICT Off LIMITS O.L. CODE NO. 1 PERMIT NO.

2 ADDITION SUP. PLAT OF G. KINNEARS NAME F 1884 - 4 - 7
SECTION TWP. N. RANGE EWM: BLOCK 31 TRACT OR LOT NO. 6
DESCRIPTION

3 ADDRESS—PROPERT
4 FEE OWNER
5 ARCHITECT

I.S.

ORIG. COST $

6 BUILDING
warehouse
2 stories
1 apt.-above
7 rooms
9 rooms
2 rooms 1st floor

BASEMENT f
frame & c
2'
cement fl

FOUNDATION
concrete

ROOF
compositio

INTERIOR
plastered

FLOORS
9 fir - 1 cement

FIRE PLACE

PLUMBING 11 fixtures
3 Toilets, 1 Tub, 2 Basins
1 Sink, 1 Mix. Tank no sprinkl.

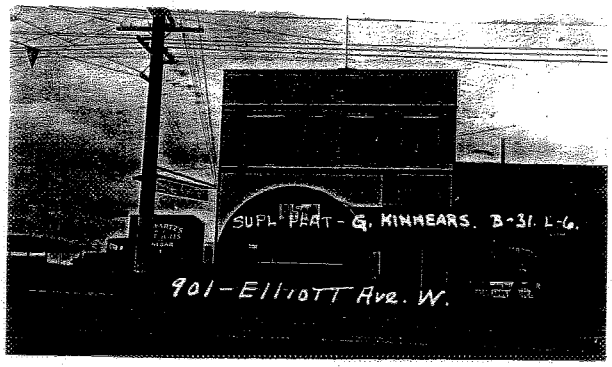
TILE WORK
none

WIRING

HEATING
hot water
radiation only 2nd floor

ELEVATORS
none

CEILING—HEIGHT
bsmt. 7I - 2nd floor. 8'3"
1st floor 11'



- medium

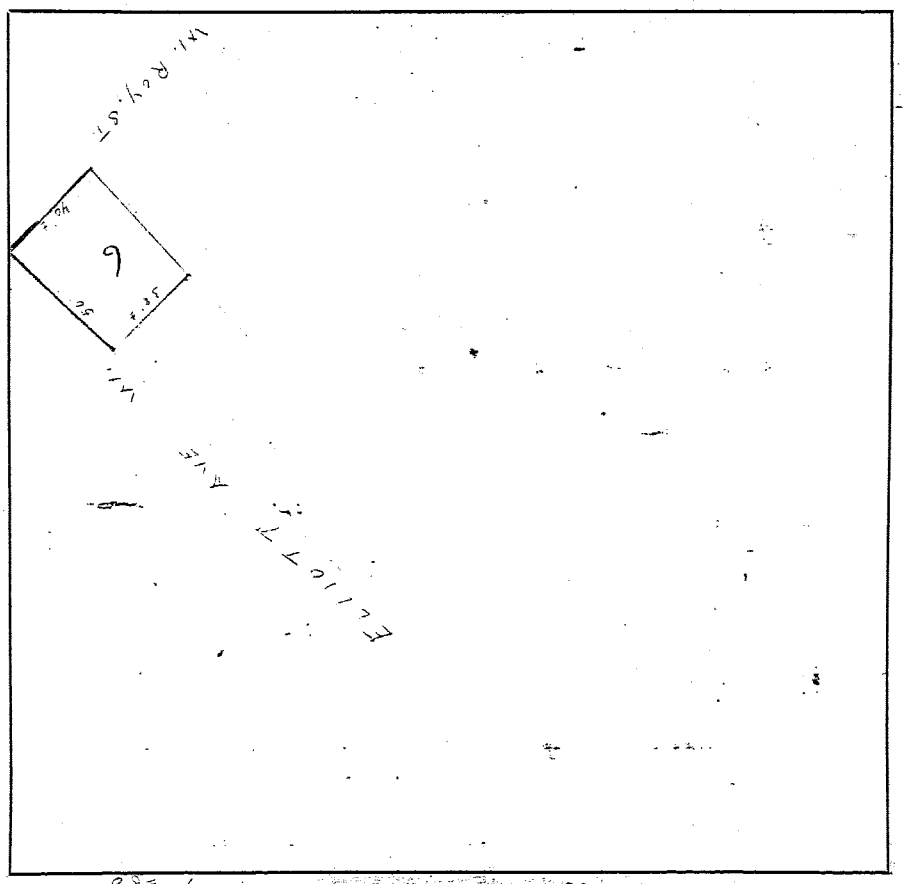
INTERIOR med. FOUND. good
FOOTING SPAN FT.
INCH CENTERS BRIDGED.
finished
NSE $ NET INCOME $
LSE. % ECON. SUIT. % TOTAL 50 %
REMODELED
YEARS FUTURE LIFE 28 YEARS
0 x 16 SQUARE FT. AREA CUBIC FT.
1772

IMPROVEMENT VALUE
BUILDING $
[redacted] $ 370
[redacted] $ 25 00 =
[redacted] $ 2040
ASSESSED VALUE 50% $ 2430
DATE 7/6/37

LAND INFORMATION 2550
1. SIZE x
level-below 3' 2 2 2

DISTRICT	ROAD	SCHOOL	WATER	FIRE	88799 DECREASE OR INCREASE IN ASSESSED VALUATION	2235
Seattle-1					METRO	

RECORD OF ASSESSED VALUE								LAND		BUILDING	
YEAR	AC.	LAND	BLDGS.	TOTAL	DATE	BY	REASON	DECREASE	INCREASE	DECREASE	INCREASE
1938		430	2060 ②	2490							
1945		300	2060	2360	2-23-44	NS	RK				
1946		300	2290 ③	2590	1-45	NS	1 Apt remodeled				
1947		300	2290	2590	7-45	W					
1952		300	2590 ②	2890	7/50	Abm.	RK				
1957		500	12,390 ③	12,890	3-22-57	RL (S)	Lic 5 Apts Etc				
1953		1380	12.390	13.770	2-53	R	Rem.				
1957		1380	12940 ③	14320	11-4-57	RS m.	RV.				
1959		1380	12900 ②	14280	4-21-58	RK	1 Apt raid Torn down (Apts 9 R.V.)				
1960		1380	12900 ②	14280	8/20/58	RM	RV				
1965		1890	12900 ②	14790	11-7-63	mp	RV				
1965		1890	9150 ③	11,040	12/16/63	ES	Per folio (R.V.)				
1967		1890	9150 ②	11,040	12/28/65	ES	R.V.D				
19											
1971 L 3780 B 18300 T 22080*387990-2235-0 8/9											
1972		5500	12910	23410	8-1-71	mt	Rev-1				
1972 L 4367 B 14221 T 18588*387990-2235-0 9/71											
1973 L 5500 B 17910 T 23410*387990-2235-0 9/71											
1972		4367	12910	17277	11-21-72	MH	ST. BD. TAX APPEALS D. NO. 4814	#008624			II
1973		5500	16260	21760	11-21-72	MH	N14726				
1972		4367	8536	12903	1/9/73	ML	ST. BD. TAX APPEALS D. NO. 4814 Correction	#008694			
1973		5586	10750	16250	"	"	correction 001311				
19											
19											
19											
19											
19											
19											
19											



BLOCK NO.

LOT NO.

PARCEL NO.

TAX LOT NO.

SECTION 14 23

TWP. 23

RANGE 3

#2374

PLAT MAP

QUARTER MAP

AERIAL PHOTO

LAND CLASSIFICATION AND SEGREGATION

1. DISTRICT 01 — LIMITS O.L. — CODE NO. 1

2. ADDITION SUP. PLAT OF G. KINNEARS 38799 2225 4 9 84

SECTION ___ TWP ___ N. RANGE ___ EWM ___ BLOCK 31 TRACT OR LOT NO. 4 & 5

DESCRIPTION Por. Fronting Lot 16 Blk. 150 S.T.L.

387990-2225 860 0010

3. ADDRESS OF PROPERTY 909 - Elliott Ave W.

4. FEE OWNER Roy Invest Co. CONTRACT PURCHASER 12-5-29

LAND INFORMATION

1. SIZE OF TRACT OR LOT ___ X ___ TOPOGRAPHY level GRADE below St FT. 2. STREET-ROAD graded SURFACE concrete

ALLEY none 3. SIDEWALK conc. SEWAGE sewer WATER city PUMP ___ DRAINAGE ___

4. LANDSCAPING none CONDITION ___ 5. TREND static VALUE OF LOT $ ___ FRONT STREET

FACTOR $ ___ SIDE STREET FACTOR $ ___ DEPTH FACTOR $ ___ CREDIT ___

6. USE business 7. DISTRICT med. old Zoned Mfg

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$
O LAND SIZE X				TOTAL	$

C OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
Roy John E Workman & Wife	11-7-63	L-46454	Exchange		

DISTRICT: ROAD	SCHOOL	WATER	FIRE
Seattle-1			METRO

ASSESSED VALUE LAND

LOT	$
UNIMPROVED ACRES	$
IMPROVED ACRES	$
OTHER LANDS	$
TIMBER	$
TOTAL ASSESSED VALUE 50%	$
DATE	

REMARKS Kel-Mayt 766620 - 114968 1985 M75-5-6095

ASSESSED VALUE

YEAR	AC.	LAND	DATE	DECREASE OR INCREASE IN ASSESSED VALUATION BY	REASON	LAND DECREASE	LAND INCREASE
1938		330					
1945		200	2-23-44	NS	RV		
1947		700	7-45	W			
1953		570	2/52	S	Rev.		
1954		590	8.53	Mem	Merged		
1960		590	8/2/58	Exc	RV		
1965		860	11-7-63	Exc	RV		
19							
19							
19							
19							

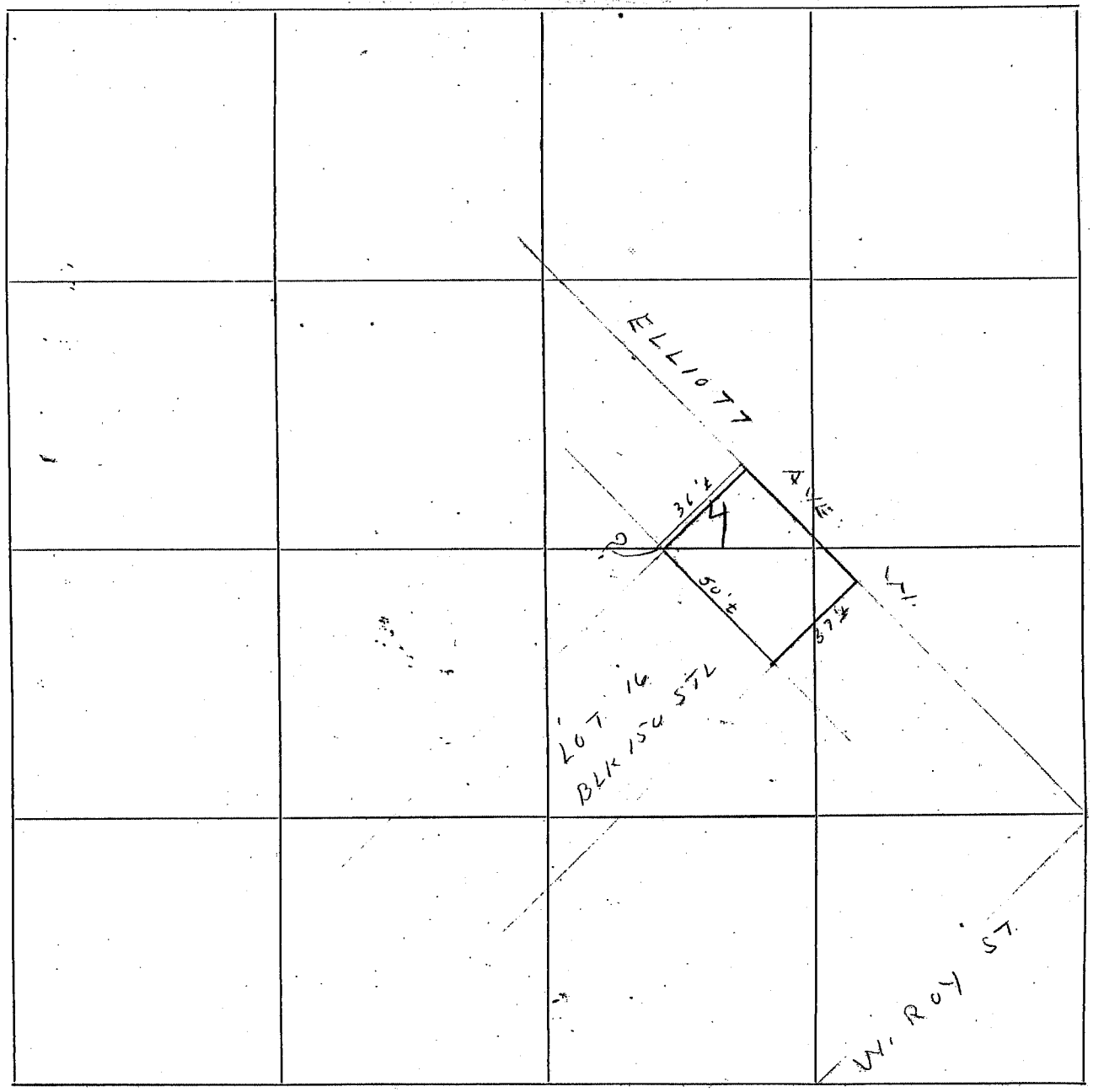
LAND CLASSIFICATION AND SEGREGATION

THIS SQUARE INDICATES 1" = 2" ACRES

INDICATE BY AREAS, USE OF LAND BY MARKS AND TYPE BY LETTERS

SECTION N.W. 25
TWP 25 N
RANGE 3 E

TAX LOT NO.
PARCEL NO.



AERIAL PHOTO
QUARTER MAP
PLAT MAP #2374

	LAND USE	ACRES
111	CULTIVATED	
#	PASTURE	
OO	TIMBER	
XX	STUMP	
...	GRAVEL OR USELESS	
V	SWAMP	

	LAND TYPE	ACRES
A	SHOT CLAY	
B	BOG	
C	PEAT	
D	SILT	
E	LOAM	
F	GRAVEL	
G	BOTTOM	
H	UPLANDS	
K	HILLY	

IF USED AS ¼ SECT. SCALE ONE INCH 400 FEET OR 160 ACRES OR 2640 FEET
IF USED AS ¼ OF ¼ " SCALE ONE INCH 200 FEET OR 40 ACRES OR 1320 FEET
IE USED AS ¼-¼-¼ " SCALE ONE INCH 100 FEET OR 10 ACRES OR 660 FEET

FOLIO 1884

ADDITION S.T.L.

Section Twp Range Exm Block 150 Tract or Lot 12

PERMIT No. 421410

DATE 6-22-53

915 ELLIOT Ave. West

Lots 15 & 16 Exp. to R/W Dist. Lot 12

Fee Owner: N.W. Steve Products Co. Address

Condition of Exterior Gd Interior Gd Foundation Gd Floor Fl

USE Apt.

- 1 No. Stories
- No. Stores
- No. Rooms
- Basement
- 1 No. Offices
- No. Apartments
- 1 rm. 2 rm. 3 rm.
- 4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION

- X Frame
- Single Double
- Ordinary Masonry
- Mill Construction
- Class A Rein. Con.
- Stru. Steel and Con.
- Tile Brick
- Con. Hollow Con.

Good Med. X Cheap

FOUNDATION

- Mud Sills
- X Post and Pier
- Brick
- Concrete
- Pile

BASEMENT

- Full %
- Sub-Basement
- Size x
- Garage No. Cars
- Floors
- Plastered
- Living Rooms
- Service Rooms

ROOF CONSTRUCTION

- X Frame Lam.
- Mill Construction
- Rein. Concrete
- No. Trusses
- Wood Steel

ROOFING MATERIAL

- Tar and Gravel
- Or Clear Tile

Date Built 1953 Finished Unfinished Remodeled

Effective Age Years Future Life Years

Dep. for Cond. Dep. for Ob. Dep. for Es. Total

FLOOR FINISHES

		Title	Total
	Fir Maple		Baths Fl. Walls
W	Oak 2" x 4" T&G		Sq. Ft. Floors
W	Pine 3" x 4" T&G		Sq. Ft. Walls
	Cement		Lin. Ft. Dr. Bds.
	Terrazzo	Lino.	Sq. Ft. Floors
	Rosolith		Sq. Ft. Walls
	Tile		Lin. Ft. Dr. Bds.
Or			Kit's. Fl. Walls

PLUMBING

- No. Fixtures
- Toilets
- Tubs, Log or Fem.
- Basins, Ped.
- Sinks
- Urinals
- Showers (Tub) (Stall)
- Laundry Trays
- H.W. Tank Fl. Drains
- Sprink. Sys. No. Hds.

HEATING

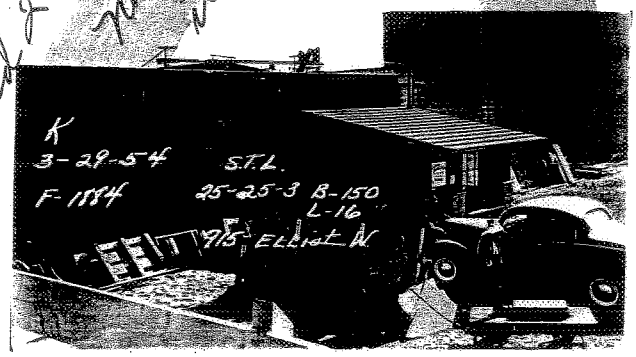
- X Stove
- Pipeless Furnace
- Gravity H. A.
- Air Cond., Fan
- Arcola
- 1-Pipe Steam
- 2-Pipe St. or Vapor
- Hot Water
- Oil Burner
- Coal Stoker

WIRING

- X Knobs & Tube
- Flex Cable
- Conduit
- Power Wiring
- Range Wiring
- No. Outlets

ELEVATORS

- Pass. Freight
- Auto. Elec.
- Man. Hyd.
- Wm.



Other Buildings $

Total $

Assessed Value 50% $

Sup. Building A. V. $

Total $

EXTERIOR WALL CONSTR.

- X Single Double
- X 2" x 4" Stud Walls
- 2" x 6" Stud Walls
- Brick Walls
- Brick With Pilasters
- Concrete Walls
- Con. With Pilasters
- Tile Walls
- Rein. Con. Skel.
- Filler Walls
- Laminated Walls

EXTERIOR FACING

- X Siding Shingles
- Shakes Stucco
- Brick Veneer
- Kind
- X Stone Cast St.
- Terra Cotta
- Struct. Glaze
- Trim

FLOOR CONSTRUCTION

Joint Con. Size x

O. C. In Bridg.

- Mill Construction
- X Reinforced Con.

INTERIOR WALLS

- Stud and Plaster
- Lam. Plastered
- X Ply Wood
- Ceiled
- Plaster Board Plaster Cty
- X Painted
- Stain Varnish
- Kalsomine
- Whitewashed
- Unfinished

INTERIOR TRIM

- X Fir
- Mah. Oak
- Metal
- X Wood Doors
- X Windows
- Stained
- Varnished
- X Painted
- Unfinished

GAS STATIONS

- Frame
- Metal
- Masonry
- Plastered or Ceiled
- Floors

SERVICE BUILDING

- Frame
- Metal
- Masonry
- Plastered or Ceiled
- Floors

TANKS, ETC., LIST

Steve Burnstead

Hoists: Elect. Hyd.

DOCKS AND PIERS

- Treated Piles and Timbers
- Untreated
- Treated Piles only
- Average Length
- Paved

G. H.

S. B.
B
1 Total
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

GROUND FLOOR AREA 120

TOTAL FLOOR AREA

	Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S.F. Area	Factor	Value	% Depr.	Depron.	Net Value
	Garage											

RM 4-46

NW 25-25-3

moved - transfer info to proper folio for field check

3-58 cm

Deputy _____ Date _____

bldg has been moved 2 times - no info as to where it now is - sheet has been voided 4-58 cm

Addition ST L. B-150

Address 915 Elliott W.

Sec _____ Tax Lot _____

Block _____ Lot _____ Tr _____

Permit No. 450259 Date 11-2-56 Amt _____

Imp to = Gilman Add B-146 L-19&20

2500-04 - 15th Ave W.

F1613

1. DISTRICT
LIMITS O.L.
CODE NO. 1
PERMIT NO.
DATE

2. ADDITION S. T. L. SECTION 1 TWP. N. RANGE EWM. BLOCK 150 TRACT OR LOT NO. 16
DESCRIPTION

3. ADDRESS OF PROPERTY 965 Valley St. Served By NP Ry Co.
4. FEE OWNER Hoy Invest. Co. 12-5-29 CONTRACT PURCHASER
5. ARCHITECT CONTRACTOR
6. ORIG. BUILDING COST $ OCCUPIED BY RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $
7. CONDITION OF EXTERIOR INTERIOR FOUNDATION FLOOR PLAN

8. BUILDING
INCH SPUR TR.
INTERIOR WALLS
INCH SPUR TR.
FLOORS
FIRE PLACE
INTERIOR TRIM
PLUMBING

TILE WORN
INCH SPUR TR.
ATTIC
INCH SPUR TR.
HEATING
BASEMENT
FOUNDATION
ROOF
EXTERIOR WALLS

PORCHES
EXTRA FEATURES
BUILT-INS
CONSTRUCTION
CEILING HEIGHT

9. CORNER JOINTS DOWN SPOUTS SEWER CONNECTED
10. FIRST FLOOR JOIST SIZE X AND INCH CENTERS BRIDGED
11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE X
12. CLASS OR GRADE NO. SHAPE NO.
13. BUILDING FINISHED OR UNFINISHED
14. DEPRECIATION: CONDITION % OBSLSE % ECON. SUIT % TOTAL %
DATE BUILT REMODELED
EFFECTIVE AGE YEARS FUTURE LIFE YEARS

LAND INFORMATION
1. SIZE X TOPOGRAPHY level GRADE below 4' FEET
2. STREET ROAD no SURFACE no ALLEY no
3. SIDEWALK no SEWERAGE no WELL ELECT. PUMP
4. LANDSCAPING no COND.
5. TREND static VALUE OF LAND
6. USE OF DISTRICT business; industrial VIEW
7. RESIDENTIAL medium old ZONED
REMARKS

MAIN BUILDING

DIMENSION	SQ. FT. AREA
X	
X	
X	
X	
PCH. X	
PCH. X	

IMPROVEMENT VALUE
MAIN BUILDING $
OTHER BUILDINGS $
TOTAL $
ASSESSED VALUE 50% $ 30.
DATE 60-7

OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE					X		$
					X		
					X		
					X		
					X		

FLOOR PLAN

O C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
	Arthur H Scrivens		E137337	(15)	(16) Assd	Says
			E131907			Trees
P/C	Sub 22' Wards Wat 1/2 Blk	10/3/60	E141653	$140	cash	Approved

REMARKS 50' Spur Tr.

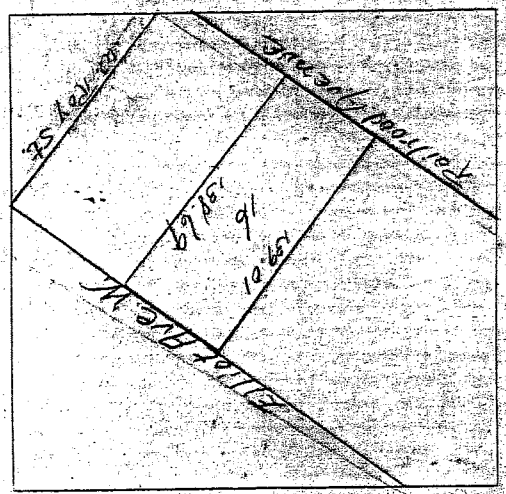
FRONT

FRATH PRINTING CO., SEATTLE

DISTRICT: ROAD	SCHOOL	WATER	FIRE

RECORD OF ASSESSED VALUE

YEAR	AC.	LAND	BLDG'S.	TOTAL	DATE	BY	REASON	DECREASE LAND	INCREASE LAND	DECREASE BUILDING	INCREASE BUILDING
~~19 38~~			~~30~~	~~30~~							
1938		1610	30	1640	8/9	[illegible]	area plan card				30
1945		1900	30	1930	2-10-84	AS	RV				
1953		1950	30	1980	2-52						
1953		1950	180 (C)	2130	5/10/54	WBm.	Office rec. 1953				
19											
19											
19											
19											
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19											



LAND CLASSIFICATION AND SEGREGATION
SCALE: ONE INCH 100 FEET TO 2½ ACRES OR 330 FEET
THIS SQUARE INDICATES 2½ ACRES

SECTION N.W. 25
TWP. 25 N
RANGE 3 E

LOT NO.
PARCEL NO.

AERIAL PHOTO
QUARTER MAP
PLAT MAP
1426

1. DISTRICT
LIMITS
CODE NO.
PERMIT NO.
DATE

2. ADDITION S. T. L.
SECTION TWP N. RANGE EWM BLOCK 150 TRACT OR LOT NO. 15
DESCRIPTION

3. ADDRESS OF PROPERTY 3131 Western Av. Served By NP Ry Co
4. FEE OWNER D. A. Anderson Own 1929 - Bldg 1 to
5. ARCHITECT CONTRACTOR
6. ORIG. BUILDING COST $ OCCUPIED BY RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $
7. CONDITION OF EXTERIOR INTERIOR FOUNDATION FLOOR PLAN

8. BUILDING
INCL. SPUR TRK
INTERIOR WALLS
INCL. SPUR TRK
FLOORS
FIRE PLACE
INTERIOR TRIM
PLUMBING

TILE WORK
INCL. SPUR TRK
ATTIC
HEATING
BASEMENT
FOUNDATION
ROOF
EXTERIOR WALLS

PORCHES
EXTRA FEATURES
BUILT-INS
CONSTRUCTION
CEILING HEIGHT

5. CORNER JOINTS DOWN SPOUTS SEWER CONNECTED
10. FIRST FLOOR JOIST SIZE X AND INCH CENTERS BRIDGED
11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE X
12. CLASS OR GRADE NO. SHAPE NO.
13. BUILDING FINISHED OR UNFINISHED
14. DEPRECIATION: CONDITION % OBSLSE % ECON. SUIT % TOTAL %
DATE BUILT REMODELED
EFFECTIVE AGE YEARS FUTURE LIFE YEARS

LAND INFORMATION

1. SIZE X TOPOGRAPHY level GRADE below 4' FEET
2. STREET ROAD no SURFACE no ALLEY no
3. SIDEWALK no SEWERAGE no WELL ELECT. PUMP $
4. LANDSCAPING natural COND.
5. TREND static VALUE OF LAND $
6. USE OF DISTRICT business; industrial VIEW
7. RESIDENTIAL Medium old ZONED
REMARKS

MAIN BUILDING

DIMENSION	SQ. FT. AREA
X	
X	
X	
X	
PCH. X	
PCH. X	

IMPROVEMENT VALUE

MAIN BUILDING $
OTHER BUILDINGS $
TOTAL $
ASSESSED VALUE 50% $ 58.
DATE 60-71

OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE					X		$
					X		
					X		
					X		
					X		

FLOOR PLAN

OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
R. C. SOUND ELEVATOR	1-24-73	E20 7454	$ 20000		

REMARKS 50' Spur Tr.

ENCE — KING COUNTY ASSESSOR — SEATTLE, WASHINGTON

FRAYN PRINTING CO., SEATTLE

FRONT

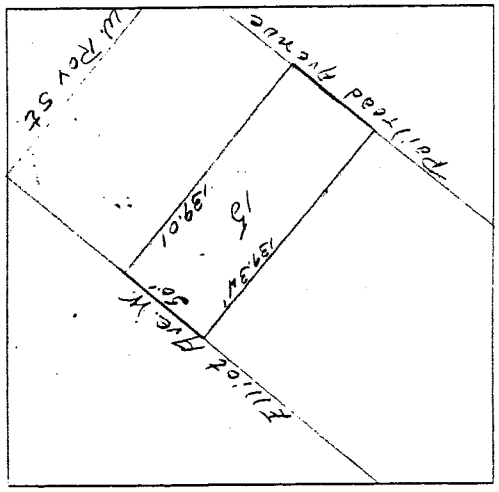
766620-1985 5200 60 0010

DISTRICT: ROAD | SCHOOL | WATER | FIRE | METRO

Seattle 1

DECREASE OR INCREASE IN ASSESSED VALUATION 1985

RECORD OF ASSESSED VALUE					DATE	BY	REASON	LAND		BUILDING	
YEAR	AC.	LAND	BLDG'S.	TOTAL				DECREASE	INCREASE	DECREASE	INCREASE
~~19 80~~			~~80.~~	~~80.~~							
1938		1610	30	1640	8/9	BB	order 345 ↑ add open land tract				30
1938		1610	30	1640	4/3	PM	EXEMPT—Owner—City				
1941		1610	30	1640	4/26	BH	assembly RV				
1945		1900	30	1930	2-10-44	NS	Rev.				
1953		1950	30	1980	9-52		Merged				
1956		3900	210 ②	4110	6-54	EP					
~~1959~~		~~3900~~	~~60 ②~~	~~3960~~	~~4-21-58~~	~~ZM~~	~~bldg. yard grnd (150-dr)~~				
1960		3900	60 ②	3960	8/20/58	ZM	RV				
1965		5200	60 ②	5260	11-7-63	MB	RV				
1969		6850	810	7660	11/19/68	WS	Segreg 1985 A/ 357990 225-42225				S-6095
1971	L	13700	B	1620	T	15320*766620-1985-0	8/9				
19											
1972		17370	1960	19330	9/71	SLG	RV-1				
1972	L	13792	B	1556	T	15348*766620-1985-0	9/71				
1973	L	17370	B	1960	T	19330*766620-1985-0	9/71				
19											
19											
19											
19											
19											
19											
19											
19											
19											
19											
19											



PARCEL NO.

TAX LOT NO.

SECTION 25 N/W

TWP 25 N

RANGE 3 E

AERIAL PHOTO

QUARTER MAP

PLAT MAP

LAND CLASSIFICATION AND SEGREGATION

SCALE ONE INCH 100 FEET TO 2½ ACRES OR 330 FEET

THIS SQUARE INDICATES 2½ ACRES

DISTRICT 2374

PERMIT No.

DATE

ADDITION G. Kinnears Supl. Section 25 Twp 22 Range 3 Farm Block 31 Tr. 3

Pt 3 Ress Por fronting Lot 15 Blk 150-U S.T.L.s

Pt 3 Ress Por fronting Lot 16 Blk 150 S.T.Ls.

Fee Owner Arts Transfer

Condition of Exterior G Interior G Foundation G

USE
- 1 No. Stories
- No. Stores
- No. Rooms
- Basement
- 1 No. Offices
- No. Apartments
- 1 rm. 2 rm. 3 rm.
- 4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION
- Frame
- Single Double
- Ordinary Masonry
- Mill Construction
- Class A Rein. Con.
- Stru. Steel and Con.
- Tile Brick
- X Conc. & Rein. Con.

Good Med. X Cheap

FOUNDATION
- Mud Sills
- Post and Pier
- Brick
- X Concrete good
- Pile

BASEMENT
- X Full %
- Sub-Basement
- Size x
- Garage No. Cars
- X Conc. Floors
- Plastered
- Living Rooms
- Service Rooms

ROOF CONSTRUCTION
- X Frame Lam.
- Mill Construction
- Rein. Concrete
- No. Trusses
- Wood Steel

ROOFING MATERIAL
- X Tar and Gravel

Or

FLOOR FINISH
- X Fir Maple
- Oak 2" x 6" T&G
- Linc. 2" x 6" T&G
- Cement
- Terrazzo
- Rascolith
- Tile

Or

Tile: Baths Fl. Walls; Sq. Ft. Floors; Sq. Ft. Walls; Lin. Ft. Dr. Bds.

Linc. Total: Sq. Ft. Floors; Sq. Ft. Walls; Lin. Ft. Dr. Bds.

Kit's. Fl. Walls

Date Built 1925 X Finished Unfinished Remodeled

Effective Age 8 10 Years Future Life 35 40 Years

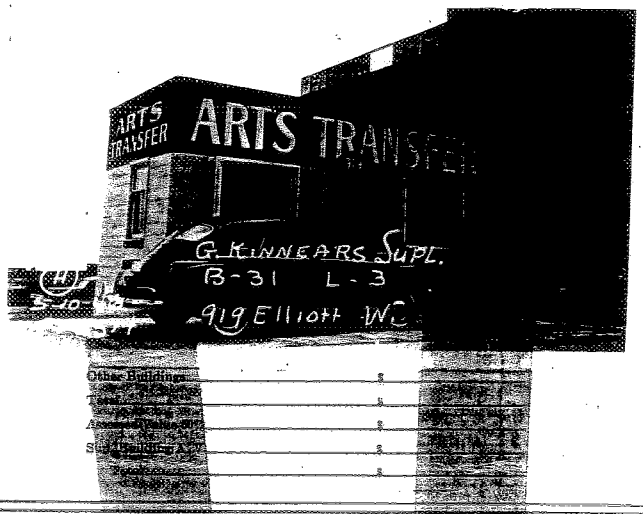
Dep. for Cond. 5 Dep. for Ob. Dep. for Es. Total 15

PLUMBING
- 2 No. Fixtures
- 1 Toilets
- Tubs, Leg or Pem.
- 1 Basins, Ped.
- Sinks
- Urinals
- Showers (Tub) (Stall)
- Laundry Trays
- H.W.Tank Fl. Drains
- Sprink. Sys. No. Hds.

HEATING
- X Stove
- Pipeless Furnace
- Gravity H. A.
- Air Cond., Fan
- Arcola
- 1-Pipe Steam
- 2-Pipe St. or Vapor
- Hot Water
- Oil Burner
- Coal Stoker

WIRING
- Knobs & Tube
- Flex Cable
- X Conduit
- Power Wiring
- Range Wiring
- 5 No. Outlets

ELEVATORS
- Pass. Freight
- Auto. Elec.
- Man. Hyd.
- Han.



Other Buildings $
Amount Above Ground $
Sub-Basement $
Total $

EXTERIOR WALL CONSTR.
- Single Double
- 2" x 4" Stud Walls
- 2" x 6" Stud Walls
- Brick Walls
- Brick With Pilasters
- X Concrete Walls B / K
- Con. With Pilasters
- Tile Walls
- Rein. Con. Skel.
- Filler Walls
- Laminated Walls

EXTERIOR FACING
- Siding Shingles
- Shakes Stucco
- Brick Veneer
- X C S Kind
- Stone Cast S.
- Terra Cotta
- Struct. Glass
- Trim

FLOOR CONSTRUCTION
- Joist Com. Size 2" x 10"
- O. C. 16" In Bridg. X
- Mill Construction
- Rein. Con.

INTERIOR WALLS
- Stud and Plaster
- Lam. Plastered
- Ply Wood
- Ceiled
- X Plaster Board
- Painted
- Stain Varnish
- X Kalsomine
- Whitewashed
- Unfinished

INTERIOR TRIM
- X Fir
- Mah. Oak
- Metal
- Doors
- Windows
- Stained,
- Varnished
- X Painted
- Unfinished

GAS STATIONS
- Frame
- Metal
- Masonry
- Plastered or Ceiled
- Floors

SERVICE BUILDING
- Frame
- Metal
- Masonry
- Plastered or Ceiled
- Floors

TANKS, ETC., LIST

Hoists: Elect. Hyd.

DOCKS AND PILES
- Treated Piles and Timbers
- Untreated
- Treated Piles only
- Average Length
- Paved

C. H.

S. B. B 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

GROUND FLOOR AREA

TOTAL FLOOR AREA 238

24

T3 OFFICE 12

Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S.F. Area	Factor	Value	% Dep.	Depres.	Net Value
Garage	D							$		$	$
								$		$	$
								$		$	$
								$		$	$

38799 2215

LIMITS	ROAD	SCHOOL	WATER	FIRE	TOTAL ACREAGE	TIMBER	IMPROVED	UNIMPROVED
	Seattle-1				METRO 38799-2215		790	750 0010

YR	AC	LAND	BLDGS.	TOTAL	BY	DATE	REASON	FEE OWNER	DATE
1947		200	—	200	W	7-45		Rep't by Owners	8-6-48
1947		200	400	600	mac	6-46	New Imp-1945	Re-Estate of John E. Wells, Deceased	12-13-60
1953		570	400	970	[illegible]	2-52	Rev.		
~~1954~~		~~570~~	~~400~~	~~970~~	~~[illegible]~~	~~9-53~~	~~Merged~~		
1954		590	400	990	[illegible]	9-53	Merged		
1957		590	750	1340	WSm	1/14/57	R.V.		
1960		590	750	1340	LM	9/20/60	R.V.		
1965		790	750	1540	MB	11-7-63	R.V.		
1967		790	750	1540	EB	12/28/65	R.V.		
19									
19									
19									
19									
19									
19									
19									
19									

1. DISTRICT 01. LIMITS O.L. CODE NO. 1

2. ADDITION SUP. PLAT OF G. KINNEARS SECTION TWP N. RANGE EWM BLOCK 31 TRACT OR LOT NO 3 & 5
DESCRIPTION Por. Fronting Lot 15 Blk. 150 S. T. L.

3. ADDRESS OF PROPERTY CONTRACT PURCHASER
4. FEE OWNER D. A. ANDERSON. JAN-1937 <City List>

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY level GRADE below 3' FT. 2. STREET-ROAD grade SURFACE concrete
ALLEY none 3. SIDEWALK none SEWAGE sewer WATER city PUMP DRAINAGE
4. LANDSCAPING none CONDITION 5. TREND static VALUE OF LOT $ FRONT STREET
FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT
6. USE business 7. DISTRICT med. old Zoned Mfg

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$

LAND SIZE X TOTAL $

OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP

DISTRICT: ROAD	SCHOOL	WATER	FIRE

ASSESSED VALUE LAND

LOT	$
UNIMPROVED ACRES	$
IMPROVED ACRES	$
OTHER LANDS	$
TIMBER	$
TOTAL ASSESSED VALUE 50%	$
DATE	

REMARKS

ASSESSED VALUE — DECREASE OR INCREASE IN ASSESSED VALUATION — LAND

YEAR	AC.	LAND	DATE	BY	REASON	DECREASE	INCREASE
1938		310					
1945		200	2-23-44	KS	R L		
1947		400	7-45	W			
19							
19							
19							
19							
19							
19							
19							
19							

LAND CLASSIFICATION AND SEGREGATION

THIS SQUARE INDICATES 10 - 20 ACRES

INDICATE BY AREAS, USE OF LAND BY MARKS AND TYPE BY LETTERS

SECTION NW 25

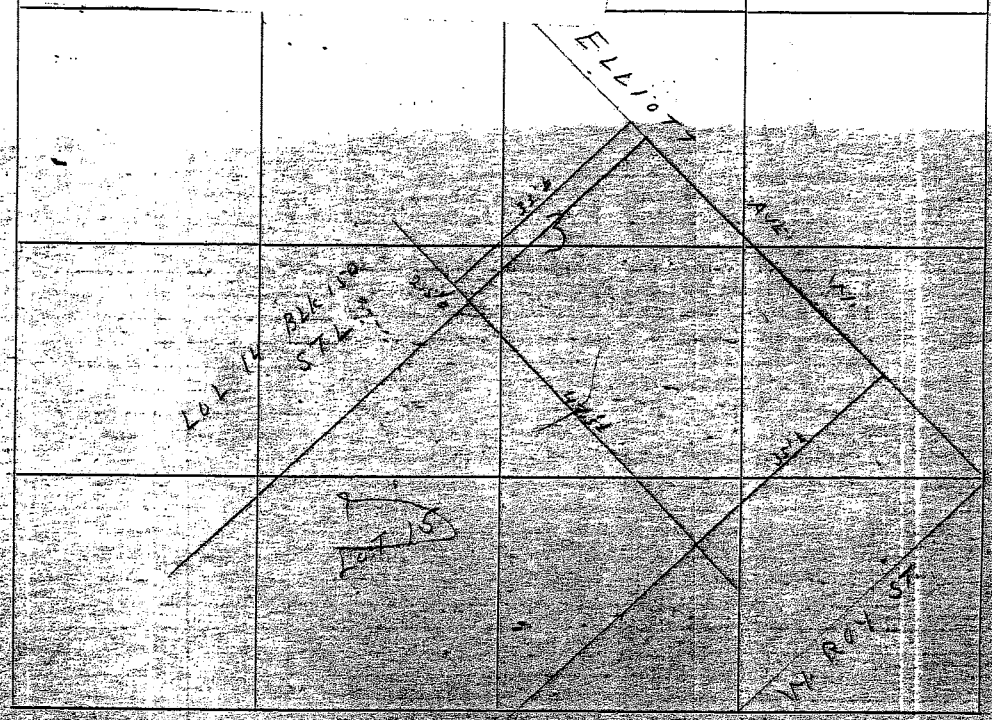
TWP 25 N.

RANGE 3 E

TAX LOT NO.

PARCEL NO.

766620198503 15-16 150 001001
SEATTLE TIDE LDS
TGW PORS OF LOTS 3-4-5 BLK 31
KINNEARS G ADD SUPL LY BET NELY
PROD OF NWLY & SELY LNS THOF 03
LESS N P R/W 02



AERIAL PHOTO

QUARTER MAP

PLAT MAP #2374

LAND USE	ACRES
111 CULTIVATED	
# PASTURE	
OO TIMBER	
XX STUMP	
... GRAVEL OR USELESS	
V SWAMP	

LAND TYPE	ACRES
A SHOT CLAY	
B BOG	
C PEAT	
D SILT	
E LOAM	
F GRAVEL	
G BOTTOM	
H UPLANDS	
K HILLY	

IF USED AS ¼ SECT. SCALE ONE INCH 400 FEET OR 160 ACRES OR 2640 FEET
IF USED AS ⅛ OR ¼ " SCALE ONE INCH 200 FEET OR 40 ACRES OR 1320 FEET
IF USED AS ⅛-¼-¼ SCALE ONE INCH 100 FEET OR 10 ACRES OR 660 FEET

1. DISTRICT 01 | MAPS 06 | CODE NO. 1 | PERMIT NO. | DATE

2. ADDITION S. T. L. 76662

SECTION TWP N. RANGE EWM. BLOCK 150 TRACT OR LOT NO. ~~S 20' of Lots 13 & 14~~ Lt 14.

DESCRIPTION S Ely 20' of lot 13 & all of lot 14 Ex N P R/W

3. ADDRESS OF PROPERTY 921 Elliott Av. Served By N.P. Ry Co.

4. FEE OWNER Mars Port Building Co. 1-19-26 CONTRACT PURCHASER

5. ARCHITECT CONTRACTOR

6. ORIG. BUILDING COST $ OCCUPIED BY RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $

7. CONDITION OF EXTERIOR INTERIOR FOUNDATION FLOOR PLAN

8. BUILDING

INC. SPUR TR.

INTERIOR WALLS

INC. SPUR TR.

FLOORS

INC. SPUR TR.

FIRE PLACE

INTERIOR TRIM

PLUMBING

TILE WORK

INC. SPUR TR.

ATTIC

HEATING

BASEMENT

FOUNDATION

ROOF

EXTERIOR WALLS

PORCHES

EXTRA FEATURES

BUILT-INS

CONSTRUCTION

CEILING HEIGHT

9. CORNER JOINTS DOWN SPOUTS SEWER CONNECTED

10. FIRST FLOOR JOIST SIZE X AND INCH CENTERS BRIDGED

11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE X

12. CLASS OR GRADE NO. SHAPE NO.

13. BUILDING FINISHED OR UNFINISHED

14. DEPRECIATION: CONDITION % OBSLSE % ECON. SUIT % TOTAL %

DATE BUILT REMODELED

EFFECTIVE AGE YEARS FUTURE LIFE YEARS

LAND INFORMATION

1. SIZE X TOPOGRAPHY level GRADE below 4' FEET

2. STREET ROAD no SURFACE no ALLEY no

3. SIDEWALK no SEWERAGE sewer WELL ELECT. PUMP

4. LANDSCAPING natural grass COND good

5. TREND static VALUE OF LAND

6. USE OF DISTRICT business-industrial VIEW

7. RESIDENTIAL Medium old ZONED

REMARKS

Turn

MAIN BUILDING

DIMENSION	SQ. FT. AREA
X	
X	
X	
X	
PCH. X	
PCH. X	

IMPROVEMENT VALUE

MAIN BUILDING	$
OTHER BUILDINGS	$
TOTAL	$
ASSESSED VALUE 50%	$ 40
DATE	50-71

OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE					X		$
					X		
					X		
					X		
					X		

C.	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
WD	Gillan Stromberg	1-8-65	E581646	$26,000	cash	prop
CD	Cecil Drake, Jr.	6-15-68	E623777	$20,000	cash	$5.50 6/21/68

REMARKS 70' Spur Tr.

FLOOR PLAN

FRONT

RESIDENCE — KING COUNTY ASSESSOR — SEATTLE, WASHINGTON

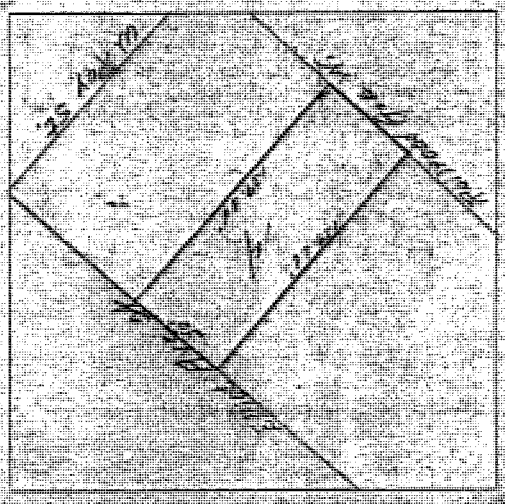
FRATH PRINTING CO., SEATTLE

DISTRICT	ROAD	SCHOOL	WATER	FIRE
Seattle 1				

766620-1980 3640 40 0010

REVISED VALUATION 1980

RECORD OF ASSESSED VALUE					DATE INS. UPDATED	BY	REASON	LAND DECREASE	LAND INCREASE	BUILDING DECREASE	BUILDING INCREASE
YEAR	AC.	LAND	BLDG'S	TOTAL							
19 [illegible]		1580	40	40							
1937		1880	40	1620	3/9	[illegible]	Add Shed Roof				40
1941		1700	40	1990	2-16-42	[illegible]	R V				
1951		1950	40	1990	2-52	[illegible]	Inc.				
1956		2750	40	2790	6-54	[illegible]	Merged				
1960		3850	40	3890	12-28-59	[illegible]	Adj				
1964		3040	40	3480	11-4-63	[illegible]	Inc				
1967		3440	40	3480	12-28-66	[illegible]	R V				
1971		7280	40	7320	1-21-71	[illegible]	R V				
72 L		7280 B		80 T	7360*766620-1980-0 8/71						
1972		7780	—	7780	4-1-71	516	RV - 3 Sqare hearth grate				
72 L		6177 B		0 T	6177*766620-1980-0 9/71						
73 L		7780 B		0 T	7780*766620-1980-0 9/71						



LAND CLASSIFICATION AND DESCRIPTION

PLATS ONE INCH TO 264 FEET OR 330 FEET

THIS SQUARE INDICATES 25 ACRES

AERIAL PHOTO

QUARTER MAP

PLAT MAP

FOLIO 1874

ADDITION SUPL. PLAT OF G. KINNEARS Section 25 Twp. 25 Range 3 Farm. Block 31 Lot 9-10-11 etc Tax Lot Tract

PERMIT NO. 44946

DATE 7-11-56

Address 675 ELLIOTT AVE. W.

Fee Owner CONSOLIDATED DAIRY PROD. Architect

Condition of Exterior G Interior Foundation Floor Plan Good

[redacted]

USE PARKING

- No. Stories EL TOP & FENCE
- No. Stores
- No. Rooms
- Basement
- No. Offices
- No. Apartments
- 1 rm. 2 rm. 3 rm.
- 4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION

- Frame
- Single Double
- Ordinary Masonry
- Mill Construction
- Class A Rein. Con.
- Strn. Steel and Con.
- Tile Brick
- Con. Rein. Con.

Good X Med. Cheap

FOUNDATION

- Mud Sills
- Post and Pier
- Brick
- Concrete
- Pile

BASEMENT

- Full %
- Sub-Basement
- Size
- Garage No. Cars
- Floors
- Plastered
- Living Rooms
- Service Rooms

ROOF CONSTRUCTION

- Frame Lam.
- Mill Construction
- Rein. Concrete
- No. Trusses
- Wood Steel

ROOFING MATERIAL

- Tar and Gravel

Or

FLOOR FINISHES

- Fir Maple
- Oak 2"x6" T&G
- Lino. 3"x6" T&G
- Cement
- Terrazzo
- Raccolith
- Tile

Or

Tile Lino.

Tile: Baths Fl. Walls; Sq. Ft. Floors; Sq. Ft. Walls; Lin. Ft. Dr. Bds. — Total

Lino.: Sq. Ft. Floors; Sq. Ft. Walls; Lin. Ft. Dr. Bds. — Total

Kit's Fl. Walls

PLUMBING

- No. Fixtures
- Toilets
- Tub, Leg or Pan,
- Basins, Ped.
- Sinks
- Urinals
- Showers (Tub) (Stall)
- Laundry Trays
- H. W. Tank Fl. Drains
- Sprink. Svs. No. Hds.

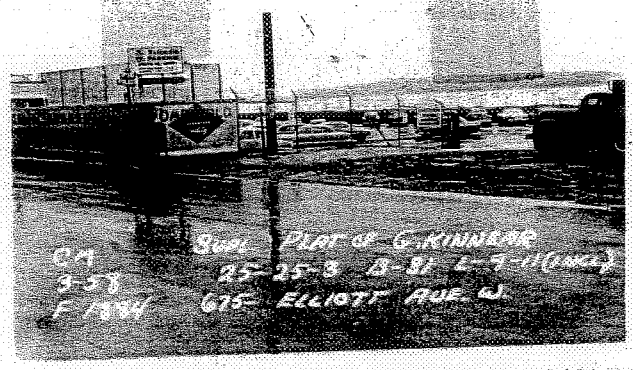
HEATING

- Stove
- Pipeless Furnace
- Gravity H. A.
- Air Cond., Fan
- Suspended Gas. Hot Water
- Steam Heat
- Hot Water
- Oil Burner

Date Built 1957 X Finished Unfinished Remodeled

Effective Age Years Future Life Years

Dep. for Cond. Dep. for Ob. Dep. for Fe. Total 15 %



Year	Assessed Value
1959	4500 cm 55
1967	13,000 ER 65
	2600

Auto. Elec. Hoists: Elec. Hyd.

Man. Hyd. Man.

Weights: Treated Piles, Timb. Untreated. Treated Piles only. Average Length. Paved.

Knob & Tube. Flex. Cable. Conduit. Power Wiring. Range Wiring. No. Outlets.

EXTERIOR WALL CONST.

- Single Double
- 2" x 4" Stud Walls
- 2" x 6" Stud Walls
- Brick Walls
- Brick with Pilasters
- Concrete Walls
- Con. with Pilasters
- Tile Walls
- Rein. Con. Skel.
- Filler Walls
- Laminated Walls

EXTERIOR FACING

- Siding Shingles
- Shakes Stucco
- Brick Veneer
- Kind
- Stone Cast S.
- Terra Cotta
- Struc. Glass
- Trim

FLOOR CONSTRUCTION

Joist Con. Size x

O.C. In Bridg.

- Mill Construction
- Rein. Con.

INTERIOR WALLS

- Stud and Plaster
- Lam. Plastered
- Plywood
- Ceiled
- Plaster Board
- Painted
- Stain Varnish
- Kalsomine
- Whitewashed
- Unfinished

INTERIOR TRIM

- Fir
- Mah. Oak
- Metal
- Doors
- Windows
- Stained
- Varnished
- Painted
- Unfinished

C. H.	
B	
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GROUND FLOOR AREA

TOTAL FLOOR AREA

	Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S. F. Area	Factor	Value	% Dep.	Deprec.	Net Value
	Garage								$		$	$
									$		$	$
									$		$	$
									$		$	$

SM 2-56

38799

2245

LIMITS	ROAD	SCHOOL	WATER	FIRE	SEWER	HOSPITAL	AIRPORT	FERRY	METRO
Seattle-1									

387990-2245 3/70 1500 0010

YR	AC	LAND	BLDGS	TOTAL	BY	DATE	REASON	CD	FEE OWNER	DATE	FILE #	PRICE
19 57		2160	—	2160	[illegible]	1/4/57	Imps-Void-wrecked.					
19 57		2160	1500	3660	LT	4/21/57	Black Top + Fence.					
19 60		2100	1500	3600	[illegible]	[illegible]/58	RV.					
19 65		3170	1500	4670	MB	11-7-63	RV					
19 67		3170	1300	4470	EB	12/28/65	R.V.					
19												
19												
19 72		10800	930	11730	ack	4-1-71	Rev-1					
19												
19												
19												
19												
19												
19												
19												
19												
19												

71 L 6440 B 2600 T 8940*387990-2245-0 8/8

72 L 8575 B 738 T 9313*387990-2245-0 9/71

73 L 10800 B 930 T 11730*387990-2245-0 9/71

1 DISTRICT

2 ADDITION Supl. Plat of G. Kinnear's NAME

SECTION 25 TWP. 25 No. RANGE 3 EWM: BLOCK 31 TRACT OR LOT No. 9 to 11 incl.

LIMITS

DESCRIPTION

PERMIT No.

3 ADDRESS - PROPERTY 675 Ellicott ave. W. CONT. PURCHASER

ORIG. COST

$

4 FEE OWNER

5 ARCHITECT

CONTRACTOR

6 BUILDING

EXTERIOR

CONSTRUCTION

EXTRA FEATURES

MISCELLANEOUS

7 CONDITION: EXTERIOR INTERIOR FOUND.

8 MAIN SUPPORT COLUMN X FOOTINGS SPAN FT.

9 FIRST FL. JOIST INCH CENTERS BRIDGED

INTERIOR

10 BUILDING

11 GROSS INCOME $

EXP. $ NET. INC. $

FLOORS

12 DEPRECIATION

FIRE PLACE

COND. % OBSLSE. %

PLUMBING

ECON. SUIT. % TOTAL %

TILE WORK

DATE BUILT

REMODELED

WIRING

EFFECTIVE AGE YEARS

HEATING

FUTURE LIFE YEARS

ELEVATORS

DIMENSIONS

CEILING HGT.

SQUARE FT. AREA CUBIC FT.

IMPROVEMENT VALUE

BASEMENT

MAIN BUILDING $

FOUNDATION

OTHER BUILDINGS $

ROOF

TOTAL $

STORE-FRONTS

ASSESSED VALUE 50% $ 1500

DATE 1951 = 15

Cor 58

SUPPLEMENTAL COMMERCIAL --- KING COUNTY ASSESSOR, SEATTLE, WASHINGTON

WESTERN PTG. CO.

Record of Assessed Value

Year	Building	Date	By	Reason	Decrease	Increase
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						
19						

Remarks

Floor Plan

1 TRACT
LIMITS
CODE NO. 1
PERMIT NO.

2 ADDITION SUP. PLAT OF G. KINNEARS NAME
SECTION TWP N RANGE EWM BLOCK 31 TRACT OR LOT NO. 10 9 to 11 Incl Less Part for St
DESCRIPTION

3 ADDRESS—PROPERTY 717 - Elliott Ave. W.
4 FEE OWNER Puck Wood & Coal Co
5 ARCHITECT
CONTR. PURCHASER 8-4-33
CONTRACTOR

ORIG. COST $

6 BUILDING
grease shed
1 story

BASEMENT none

FOUNDATION post-beam conc. block

ROOF tar paper

STORE FRONTS none

EXTERIOR frame - siding (2 sides) open - 2 sides

EXTRA FEATURES none

CONSTRUCTION single - very cheap

MISCELLANEOUS

7 CONDITION: EXTERIOR INTERIOR FOUND.
8 MAIN SUPPORT COLUMN 6 x 6 FOOTING SPAN FT.
9 FIRST FLOOR JOIST 2 x 8 INCH CENTERS BRIDGED
10 BUILDING finished
11 GROSS INCOME $ EXPENSE $ NET INCOME $
12 DEPRECIATION: COND. 60 % OBSLSE. % ECON. SUIT. % TOTAL %
YEAR BUILT 1921 REMODELED
EFFECTIVE AGE 15 YEARS FUTURE LIFE 10 YEARS
DIMENSIONS 22 x 24 x SQUARE FT. AREA CUBIC FT. 528

INTERIOR
ceiled - 1 side
open on 2 sides

FLOORS
fir under pit - cement

FIRE PLACE
none

PLUMBING
none

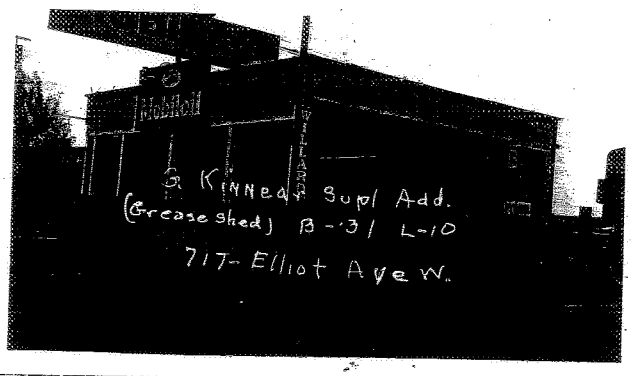
TILE WORK
none

WIRING
open Bx knob & tube

HEATING
none

ELEVATORS
none

CEILING—HEIGHT



IMPROVEMENT VALUE
BUILDING $
OUTBUILDINGS $
UNDER CONSTRUCTION $
OTHER BUILDINGS $
DEPRECIATED VALUE $
ASSESSED VALUE 60% $ 60
ASSESSED VALUE 50% $ 30
DATE 4/6/37

LAND INFORMATION
1. SIZE x
level-below 4'
2. STREET—ROAD graded-
paved-alley none
3. SIDEWALK
none-sewer-water
4. LANDSCAPING
none
5. TREND VALUE $
static
6. USE
business-View Elliott Bay
7. DISTRICT med. - old

Zoned M 1

FLOOR PLAN Sc. 10=1'

C	OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE

C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
	Hans S Lehn D 29					
	Josie Rapone, dbn Tidal Paper Sto to	4-5-49	389073 (See L 9)			
	Elmer M Marelli ufa, Estate Probate					
	Consolidated Dairy Prod Co	5/23/52	F221906	$ 65000.	Also Lots 1-2-3 Blk 151 STL	

REMARKS
Also 11 + Nly 20' of 12 Sup Plat
of S. Kinnears

Grease shed

N
N

SMALL COMMERCIAL—KING COUNTY ASSESSOR, SEATTLE, WASHINGTON

PIGOTT-WASHINGTON PRINTING CO.

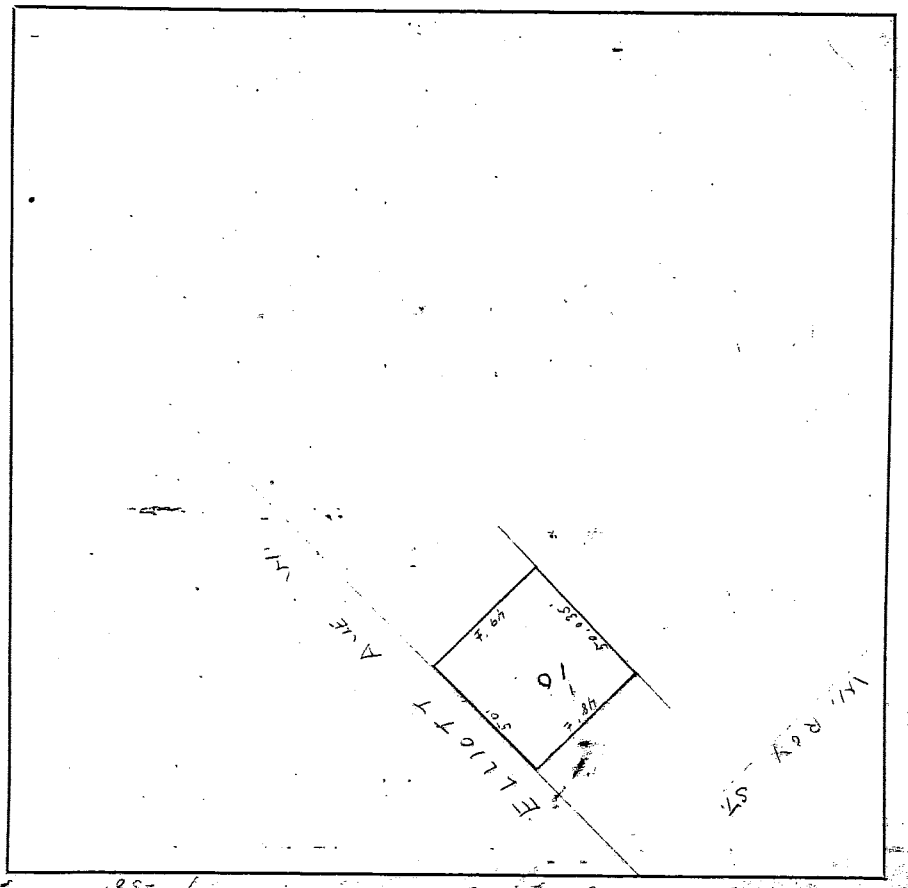
DISTRICT	ROAD	SCHOOL	WATER	FIRE

DECREASE OR INCREASE IN ASSESSED VALUATION

38799 2946

RECORD OF ASSESSED VALUE

YEAR	AC.	LAND	BLDGS.	TOTAL	DATE	BY	REASON	LAND DECREASE	LAND INCREASE	BUILDING DECREASE	BUILDING INCREASE
1938		560	30	590							
1945		300	30	330	8-23-44	NS	RV				
1947		300	30	330	7-45	W					
1953		700	30	730	2-52	[illegible]	Rev.				
1954		2160	930 ③	3090	9.53	MBM	Merged ord 8524				NL(55) 5-2256
1957		2160	—	2160	11-4-57	JBM	Imps. void - wrecked. (56 Correct Legal See D3547				
1959		2160	1500	3660	4-21-58	[illegible]	Block tap + Fence — 5-5/23/58-E.			22590	6500
19							Dwg. Dwg Card & Gl Co made				
19											
19											
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BLOCK NO.
LOT NO.
PARCEL NO.
TAX LOT NO.
SECTION
TWP.
RANGE

PLAT MAP
QUARTER MAP
AERIAL PHOTO

LAND CLASSIFICATION AND SEGREGATION

FOLIO 1884

PERMIT NO.

DATE

ADDITION KINNEAR'S G SUPL

Section NW 25 Twp. 25 Range 3 Subn. Block 31 Lot or Tract 12 etc & N½ 22.6 ft Vac St. adj.

Tax Lot

Address 169 ELLIOTT AVE W.

For Owner BARCLAY DANCE STUDIOS Architect Contractor

Condition of Exterior MED Interior FAIR TO GOOD Foundation MED Floor Plans: Good Accept. X Good

USE DANCING STUDIO & APT

182 No. Stories

No. Stores

No. Rooms

8 Basement

No. Offices

1 No. Apartments

1 rm. 2 rm. 1 3 rm.

4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION

X Frame

Single X Double

Ordinary Masonry

Fire Construction

Mill Construction

Reinforced Concrete

Structural Steel and Concrete

Brick

Concrete Reinforced Concrete

Good Cheap

FOUNDATION

Mud Sills

Post and Pier

Brick

X Concrete

Pile

BASEMENT

Full

Sub-Basement

X Size 142 ft 3

Garage No. Cars

CONC Floors

Plastered

Living Rooms

8 Service Rooms

ROOF CONSTRUCTION

X Frame Lam.

Mill Construction

Rein. Concrete

No. Trusses

Wood Steel

ROOFING MATERIAL

Tar and Gravel

BU Or

Or

FLOOR FINISHES

X Fir ½ for FLR Maple

Oak 2"x8" T&G

Linc. 3"x8" T&G

Cement

Terrazzo

Rascolith

ASPH Tile BAL 2 FLR FOYER & LOUNGE

Or CARPET

Tile Linc.

Tile Total

Baths Fl. X Walls 4441 TUB RECES Floors

Sq. Ft. Walls

Lin. Ft. Dr. Bds.

Sq. Ft. Floors

Linc. Total

Sq. Ft. Walls

Lin. Ft. Dr. Bds.

Kit's Fl. Walls

PLUMBING

No. Fixtures

3 Toilets

1 Tub, Leg or Pan.

3 Basins, Ped.

1 Sinks

Urinals

Showers (Tub) (Stall)

Laundry Trays

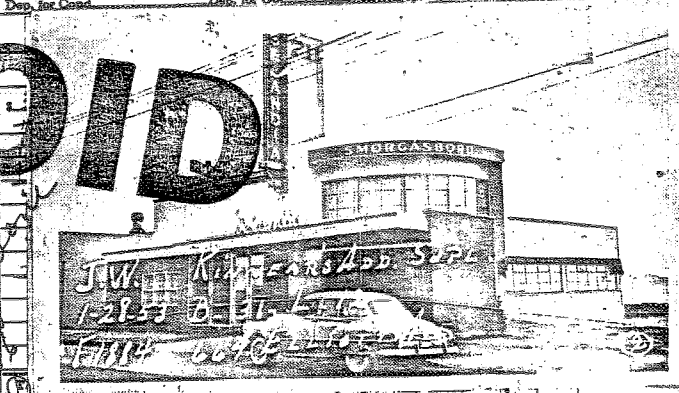
1 H. W. Tank Fl. Drains

Sprink. Sys. No. Hds.

Date Built 1941 X Finished Unfinished X 1952, 1962 Remodeled

Effective Age Years Future Life Years

Dep. for Cond. Dep. for Ob. Dep. for Ec. Total 2090



HEATING

Stove

Pipeless Furnace

Gravity H. A.

Air Cond., Fan

Suspended Gas. Hot Water

Steam Heat

X Hot Water 40 GAL

X Oil Burner

Year	Assessed Value
1954	6800 / EO 53
1964	6850 LL BMS 62

9 DISHWASHER

1 DISPOSAL

1 B.IN. OVEN & RANGE

Hoists: Elec. Hyd.

Pass. Freight

Auto. Elec.

Man. Hyd. Man.

Trested Piles, Timb. Untreated Treated Piles only Average Length Paved

Knob & Tube Flex. Cable Conduit Power Wiring Range Wiring No. Outlets

EXTERIOR WALL CONST.

Single X Double

X 2" x 4" Stud Walls

2" x 6" Stud Walls

Brick Walls

Brick with Pilasters

Concrete Walls

Con. with Pilasters

Tile Walls

Rein. Con. Skel.

Filler Walls

Laminated Walls

EXTERIOR FACING

X Siding BAL Shingles

Shakes Stucco

X Brick Veneer 1 WALL

ROMAN Kind

Stone Cast S.

Terra Cotta

Struc. Glass

Trim

FLOOR CONSTRUCTION

Joist Con. Size 2x8, 2x10

O.C 16" OC Bridg.

Mill Construction

Rein. Con.

INTERIOR WALLS

Stud and Plaster

Lam. Plastered

Plywood

Ceiled

X Plaster Board

X Painted

Stain Varnish

Kalsomine

Whitewashed

Unfinished

INTERIOR TRIM

X Fir

X Mah. Oak

Metal

WOOD Doors

WOOD Windows

Stained

X Varnished

X Painted

Unfinished

	C. H.
B	7'-8"
1	8'-6"
2	8'
3	
4	
5	
6	
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19	
20	
21	
22	

GROUND FLOOR AREA 2240

TOTAL FLOOR AREA 4814

SEE SUPL SHEET

Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S. F. Area	Factor	Value	% Dep.	Depres.	Net Value
Garage											

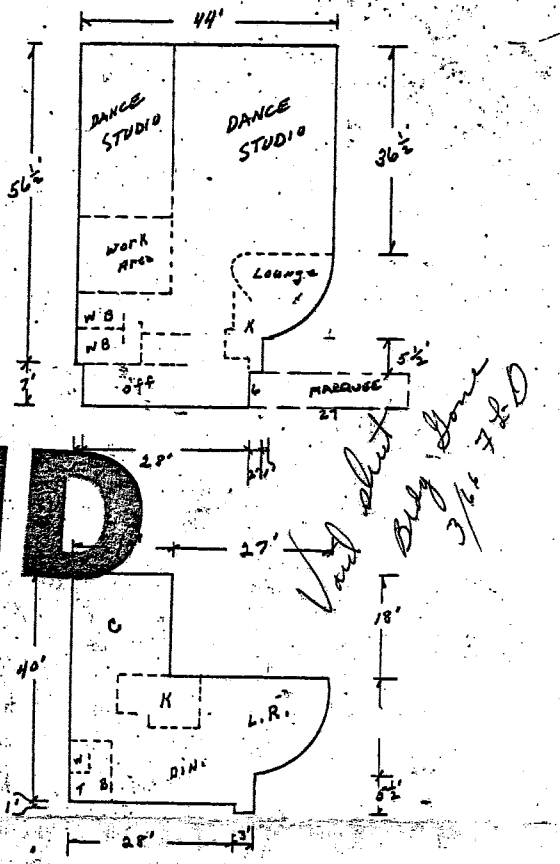
FOLIO 1884 ADDITION KINNEAR'S G. SUPL

DATE Section NW 25 Twp. 25 Range 3 Ewm. Block 31 Tax Lot Lot or Tract 12 etc

ADDRESS 669 ELLIOTT AVE W.

Fee Owner BARCLAY DANCE STUDIOS

SUPL SHEET

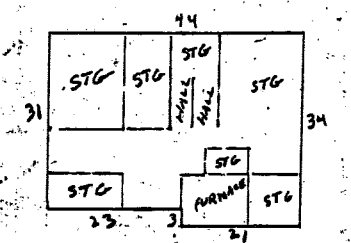


1st Floor Plan

VOID

Void about June Bldg. Permit 3/64

2nd Floor Plan



BSMT

38799

2260

S	ROAD	SCHOOL	WATER	FIRE	SEWER	HOSPITAL		METRO	PK & REC
Seattle/1						387990-2260 1640 6850 0010		METRO	

YR	AC	LAND	BLDGS	TOTAL	BY	DATE	REASON	CD	FEE OWNER	DATE	FILE #	PRICE
60		1090	6000	7090	Lm.	8/20/59	R.V.	20	F1 Cab. Coach	5/10/62	E467492	$ 11044
64		1090	6850	7940	Hm.	8/16/62	6000 Void Remodel-'62	11	Combination Dairy Products	area 9/8/65	9L62-3215 E606272	$50,000
65		1640	6850	8490	mb	11-7-63	RV					
67		1640	6850	8490	EB	12/29/65	R.V.					
67		1640		1640	HB	3/30/66	#6850-Temp Void		Home			
71 L	3280 B		I	3280*387990-2260-0 8/9								
72		5500	450	5950	cak	4.1.71	Rev-8 (asp pav)					
72 L	4367 B		357 I	4724*387990-2260-0 9/71								
73 L	5500 B		450 T	5950*387990-2260-0 9/71								

DISTRICT

ADDITION George Kinnear Suppl. 2374

Section 25 Twp 25 Range 3 Ewm Block 31 Tract or Lot 12

PERMIT No. 345995

NLy 20' of FV ac. St. Adj.

DATE 7/11/41

Fee Owner

Address of Property 669 Elliott AVE. Architect

Condition of Exterior G Interior G Foundation Floor Plan: Good Accept. Poor

USE Restaurant

2	No. Stories
8	No. Stores
3	No. Rooms
	Basement
	No. Offices
	No. Apartments
	1 rm. 2 rm. 3 rm.
	4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION

✓	Frame
	Single [X] Double
	Ordinary Masonry
	Mill Construction
	Class A Rein. Con.
	Stru. Steel and Con.
	Tile [ ] Brick
	Con. [ ] Rein. Con.

Good Med. X Cheap

FOUNDATION

	Mud Sills
	Post and Pier
	Brick
✓	Concrete
	Pile

BASEMENT

	Full [ ] %
	Sub-Basement
✓	Size 500 s.f.
	Garage [ ] No. Cars
X	conc. Floors
X	Plastered
3	Living Rooms
	Service Rooms

ROOF CONSTRUCTION

✓	Frame Lam [ ]
	Mill Construction
	Rein. Concrete
	No. Trusses
	Wood [ ] Steel

ROOFING MATERIAL

	Tar and Gravel

Or.

FLOOR FINISHES

✓	Fir	[ ] Maple
	Oak	[ ] 2" x 6" T&G
	Lino.	[ ] 3" x 6" T&G
	Cement	
	Terrazzo	
X	Raecolith Cafe Pt.	
	Tile	

Or. X Carpet - 2nd

Tile [ ] Lino.

	Baths [ ] Fl. [ ] Walls	Tile Total
	Sq. Ft. Floors	
	Sq. Ft. Walls	
	Lin. Ft. Dr. Bds.	Lino. Total
	Sq. Ft. Floors	
	Sq. Ft. Walls	
	Lin. Ft. Dr. Bds.	
	Kit's. [ ] Fl. [ ] Walls	

Date Built 1941 [✓] Finished [ ] Unfinished [ ] Remodeled

Effective Age Years Future Life Years

Dep. For Cond. Dep. For Ob. Dep. For Es. Total

PLUMBING

9	No. Fixtures
3	Toilets
	Tubs, Leg or Pem.
3	Basins, Port.
1	Sinks
1	Urinals
1	Showers (Gang) (Stall)
	Laundry Trays
1	H. W. Tank Fl. Drains [ ]
	Sprink. Sys. No. Hds.

HEATING

	Stove
	Pipeless Furnace
	Gravity H. A.
	Air Cond., Fan
	Arcola
	1-Pipe Steam
	2-Pipe St. or Vapor
✓	Hot Water
✓	Oil Burner
	Coal Stoker

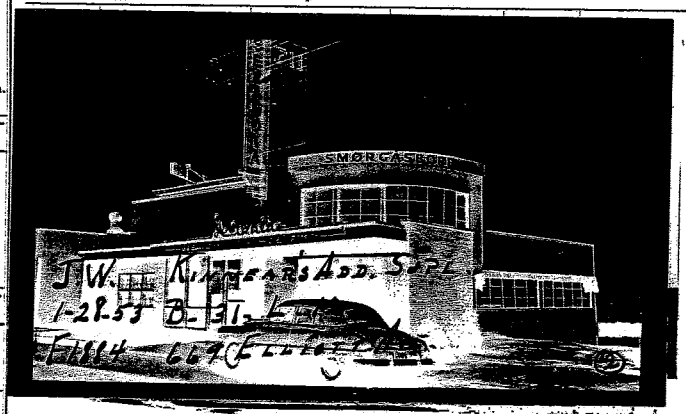
WIRING

	Knobe & Tube
	Flex Cable
✓	Conduit
	Power Wiring
	Range Wiring
	No. Outlets

ELEVATORS

	Pass.	[ ]	Freight
	Auto.	[ ]	Elec.
	Man.	[ ]	Hyd.
		[ ]	Man.

REPRODUCTION COST Factor Make Up



Assessed Value 60% $

Sup. Building A. V. $

Total $

6000
600
55.1
57
3740

EXTERIOR WALL CONSTR.

✓	Single [X] Double
✓	2" x 4" Stud Walls
	2" x 6" Stud Walls
	Brick Walls
	Brick With Pilasters
	Concrete Walls
	Con. With Pilasters
	Tile Walls
	Rein. Con. Skel.
	Filler Walls
	Laminated Walls

EXTERIOR FACING

✓	Siding [ ] Shingles
	Shakes [ ] Stucco
X	Brick Veneer -2 walls
	Kind
	Stone [ ] Cast S.
	Terra Cotta
	Struct. Glass
	Trim

FLOOR CONSTRUCTION

Joist Con. Size 2"X8" & 2X10" O. C. 16 In Bridg. ✓ [ ]

	Mill Construction
	Rein. Con.

INTERIOR WALLS

✓	Stud and Plaster
	Lam. [X] Plastered
	Ply Wood
	Ceiled
	Plaster Board 152
X	Painted
	Stain [ ] Varnish
	Kalsomine
	Whitewashed
	Unfinished

INTERIOR TRIM

✓	Fir
	Mah. [ ] Oak
	Metal
	Wood Doors
X	Windows
	Stained
	Varnished
X	Painted
	Unfinished

GAS STATIONS

	Frame
	Metal
	Masonry
	Plastered or Ceiled
	Floors

SERVICE BUILDING

	Frame
	Metal
	Masonry
	Plastered or Ceiled
	Floors

TANKS, ETC., LIST

Hoists: Elect. Hyd.

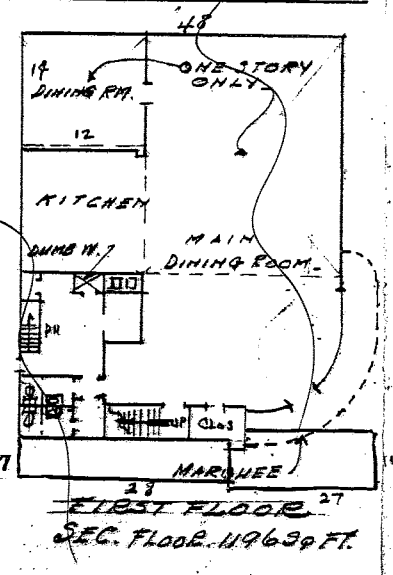
DOCKS AND PIERS

	Treated Piles and Timbers
	Untreated
	Treated Piles only
	Average Length
	Paved

C. H.	
S. B.	
B	1-6
1	9
2	8
3	
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GROUND FLOOR AREA 2417

TOTAL FLOOR AREA 3608



Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S. F. Area	Factor	Value	% Dep.	Depreo.	Net Value
Garage											

DISTRICT — ADDITION George Kinnear Suppl. — 2374

Section 25 Twp 25 Range 3 Twn. — Block 31 — Tract or Lot 12

PERMIT No. 345995

DATE 7/11/41

Nly 20' of Vac. St. Adj

Fee Owner

Address of Property 669 Elliott Ave.

Condition of Exterior G Interior G Foundation G Floor Plan: Good Accept. Poor Architect

USE Restaurant

2 No. Stories
3 No. Stores
9 No. Rooms
Basement
No. Offices
No. Apartments
1 rm. 2 rm. 3 rm.
4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION
Frame
Single X Double
Ordinary Masonry
Mill Construction
Class A Rein. Con.
Stru. Steel and Con.
Tile Brick
Con. Rein. Con.
Good Med. X Cheap

FOUNDATION
Mud Sills
Post and Pier
Brick
Concrete
Pile

BASEMENT
Full %
Sub-Basement
Size 500 s.f.
Garage No. Cars
Conc. Floors
Plastered
Living Rooms
Service Rooms

EXTERIOR WALL CONSTR.
Single Double
2" x 4" Stud Walls
2" x 6" Stud Walls
Brick Walls
Brick With Pilasters
Concrete Walls
Con. With Pilasters
Tile Walls
Rein. Con. Skel.
Filler Walls
Laminated Walls

EXTERIOR FACING
Siding Shingles
Shakes Stucco
Brick Veneer 2 walls
Kind
Stone Cast S.
Terra Cotta
Struct. Glass
Trim

FLOOR CONSTRUCTION
Joint Con. Size 2"x8" & 2"x10"
O.C. 16 In Bridg.
Mill Construction
Rein. Con.

ROOF CONSTRUCTION
Frame Lam.
Mill Construction
Rein. Concrete
No. Trusses
Wood Steel
ROOFING MATERIAL
Tar and Gravel
Or

FLOOR FINISHES
Fir Maple
Oak 2" x 6" T&G
Lino. 3" x 6" T&G
Cement
Terrazzo
X Rascolith Cafe Pa
Tile
Or X Carpet - 2nd

Tile Lino.
Baths Fl. Walls
Sq. Ft. Floors
Sq. Ft. Walls
Lin. Ft. Dr. Bds.
Sq. Ft. Floors
Sq. Ft. Walls
Lin. Ft. Dr. Bds.
Kit's. Fl. Walls

Date Built 1941 Finished Unfinished Remodeled
Effective Age Years Future Life Years
Dep. For Cond. Dep. For Ob. Dep. For Es. Total

PLUMBING
9 No. Fixtures
Toilets
Tubs, Leg or Pan.
3 Basins, Pedt.
1 Sinks
Urinals
1 Showers (Stall)
Laundry Trays
1 H. W. Tank Fl. Drains
Sprink. Sys. No. Hds.

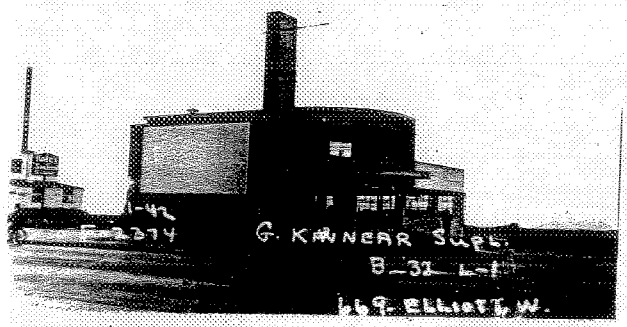
HEATING
Stove
Pipeless Furnace
Gravity H. A.
Air Cond. Fan
Arcola
1-Pipe Steam
2-Pipe St. or Vapor
Hot Water
Oil Burner
Coal Stoker

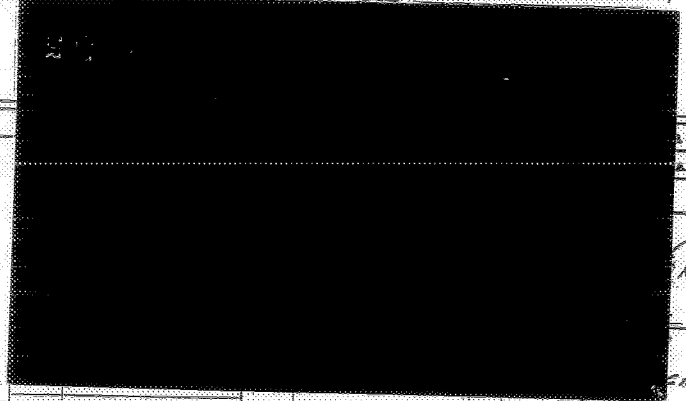
WIRING
Knobe & Tube
Flex Cable
Conduit
Power Wiring
Range Wiring
No. Outlets

ELEVATORS
Pass. Freight
Auto. Elec.
Man. Hyd.
Man.

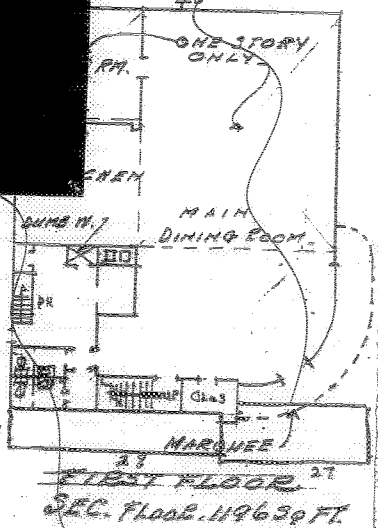
6000
Floor
3700

REPRODUCTION COST Factor Make Up





AREA 2412
AREA 3608



INTERIOR TRIM
Fir
Mah. Oak
Metal
Wood Doors
Windows
Stained
Varnished
X Painted
Unfinished

Floors

TANKS, ETC., LIST
9
10
11
12
13
14
15
16
17
18
19
20
21
22
Hoists: Elect. Hyd.

DOCKS AND PIERS
Treated Piles and Timbers
Untreated
Treated Piles only
Average Length
Paved

Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S. F. Area	Factor	Value	% Dep.	Depres.	Net Value
Garage											

38799

LIMITS	ROAD	SCHOOL	WATER	FIRE	TOTAL ACREAGE	TIMBER	IMPROVED	UNIMPROVED
O.L.								

YEAR	AC.	LAND	BLDGS.	TOTAL	BY	DATE	REASON	FEE OWNER	DATE
1943		~~380~~	~~3700~~	4080				Seattle Milk Shippers	
1943		870	3700	4570	EB (SJ)	3/14/43	Ord # 186	Assn.	3-20-29
1945		450	3700	4150	NS	7-3-44	R.V.	Carroll-Hillman-Hedlund	5-9-44
1947		470	3700	4150	W	7-45		Buck Best	5-15-47
1952		450	5600	6050	NS	7/50	R.V.	Waddie K. Gordon 2250-195	7-11-52
1953		1090	5600	6690	B	2-54	R.V.	ALSO - SEC. 10 SEATTLE TIDE LOTS BLK 157	5-10-54
1954	A	1090	6000	7090	RD	5/5/53	add. to Entrance	(C) GUNNAR W. HANSEN ALSO Tract B 137 SHATTUCK'S 3rd HILL ADD	
1960		1090	6000	7090	[illegible]	[illegible]	R.V.	Wm. M. [illegible] Sur - 25-11-63	
19								Reg. Access Bond) 24 [illegible]	
19								E 1407491 ~~4575~~ 4575 m ~~4~~ 4-9702	
19								2nd El Capitan Corp	3-10-67
19								E467492	#11744
19									
19									
19									
19									
19									
19									

1. DISTRICT 11 — LIMITS O.L. — CODE NO. 1

2. ADDITION SUP. PLAT OF G. KINNEARS — SECTION — TWP — N. RANGE — EWM — BLOCK 31 / TRACT OR LOT NO. 12

DESCRIPTION N'ly. 20' of) Vac. St. adj

3. ADDRESS OF PROPERTY 717 Elliott Ave. W — CONTRACT PURCHASER

4. FEE OWNER Peck Wood & Coal Co. 8-3-38

LAND INFORMATION

1. SIZE OF TRACT OR LOT — X — TOPOGRAPHY level — GRADE below 4' — FT. 2. STREET-ROAD graded — SURFACE paved
ALLEY none — 3. SIDEWALK none — SEWAGE sewer — WATER city — PUMP — DRAINAGE
4. LANDSCAPING none — CONDITION — 5. TREND static — VALUE OF LOT $ — FRONT STREET
FACTOR $ — SIDE STREET FACTOR $ — DEPTH FACTOR $ — CREDIT
6. USE business — 7. DISTRICT med. old Zoned H'fg.

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$

O. LAND SIZE X — TOTAL $

C.

OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP

DISTRICT:	ROAD	SCHOOL	WATER	FIRE

ASSESSED VALUE LAND

LOT	$
UNIMPROVED ACRES	$
IMPROVED ACRES	$
OTHER LANDS	$
TIMBER	$
TOTAL ASSESSED VALUE 50%	$
DATE	

REMARKS Bldg. O.V. to 12-31 Sup. Plat G. Kinnear's Add.

DECREASE OR INCREASE IN ASSESSED VALUATION

YEAR	AC.	ASSESSED VALUE LAND	DATE	BY	REASON	DECREASE LAND	INCREASE LAND
1938		$70		MW			
19							
19							
19							
19							
19							
19							
19							
19							
19							

VACANT — KING COUNTY ASSESSOR — SEATTLE, WASHINGTON — FRAYN PRINTING CO., SEATTLE

LAND CLASSIFICATION AND SEGREGATION

THIS SQUARE INDICATES _____ ACRES

INDICATE BY AREAS, USE OF LAND BY MARKS AND TYPE BY LETTERS

SECTION 11

TWP. 22 S

RANGE 5 E

TAX LOT NO.

PARCEL NO.

AERIAL PHOTO

QUARTER MAP

PLAT MAP #2374

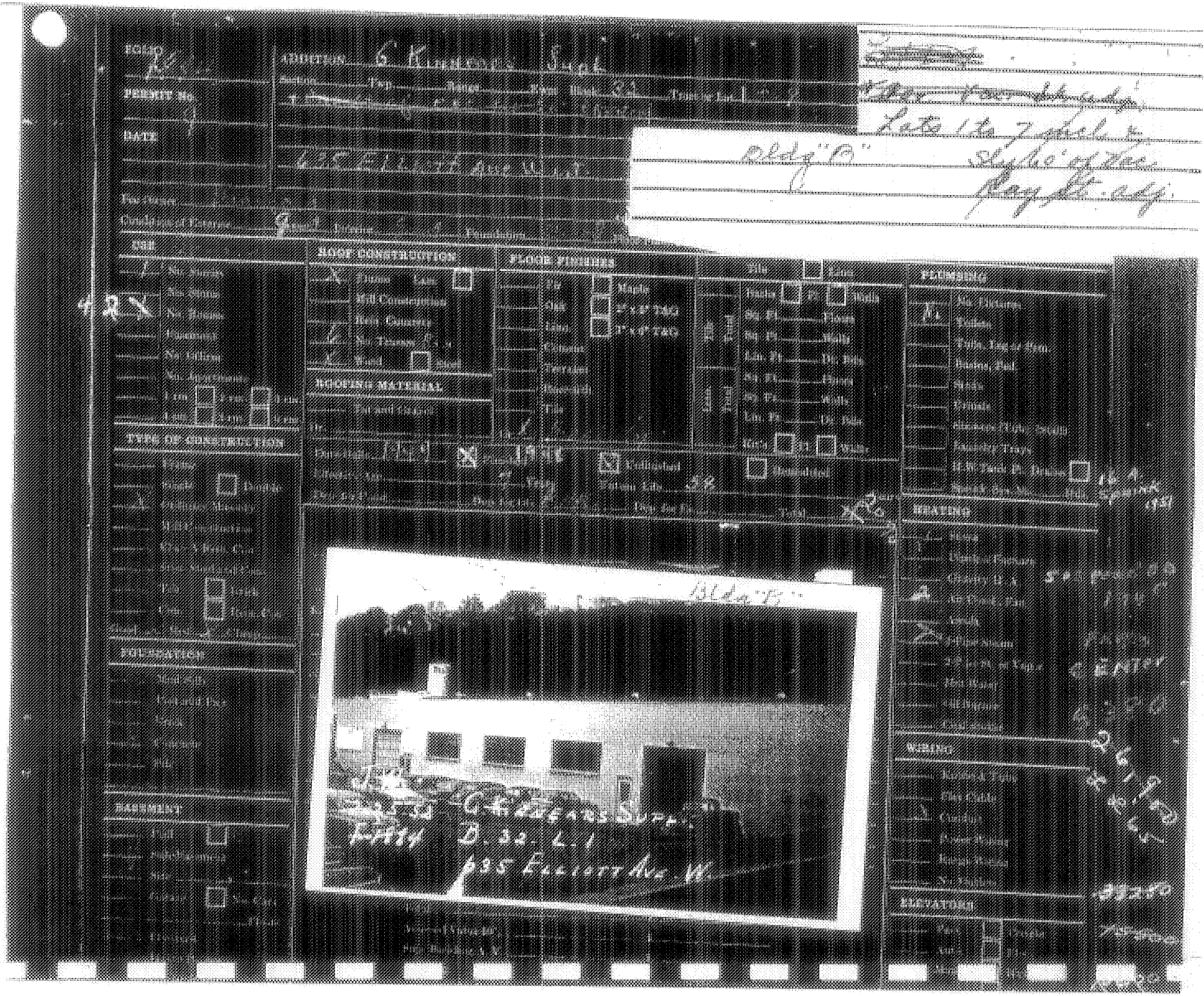
LAND USE	ACRES
CULTIVATED	
PASTURE	
TIMBER	
BRUSH	
WASTE OR USELESS	
SWAMP	

LAND TYPE	ACRES
A MUCK CLAY	
B LOAM	
C PEAT	
D SILT	
E SAND	
F GRAVEL	
G ROCK	
H UPLAND BOG	
K MISC.	

IF USED AS 8" = 1 MILE SCALE ONE INCH EQUALS ONE SQUARE MILE OR 640 ACRES OR APPROXIMATELY

IF USED AS 4" = 1 MILE SCALE ONE INCH EQUALS ONE QUARTER SECTION OR 160 ACRES OR APPROXIMATELY

IF USED AS 2" = 1 MILE SCALE ONE INCH EQUALS ONE SECTION OR 40 ACRES OR APPROXIMATELY



FOLIO 1844

ADDITION G. Kinnears Supl

Section Twp. Range Ewm Block 32 Tract or Lot 1 to 7

+ Blks 64 & 65 exc No 20 thereof

PERMIT No. 9

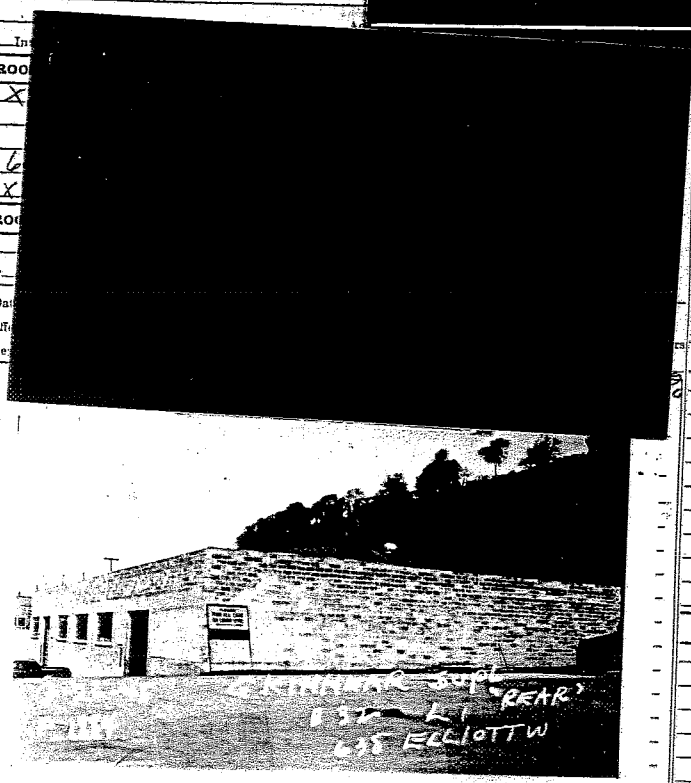
DATE

635 Elliott Ave W. [illegible]

Fee Owner Danigold

Condition of Exterior Good Int

Blds "F" Lots 1 to 7 incl + Sly 60' of Vac Bay St. adj



USE Garage

1	No. Stories
42X	No. Stores
	No. Rooms
	Basement
	No. Offices
	No. Apartments
	1 rm. 2 rm. 3 rm.
	4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION

	Frame
	Single Double
X	Ordinary Masonry
	Mill Construction
	Class A Rein. Con.
	Stru. Steel and Con.
	Tile Brick
	Con. Rein. Con.

Good X Med X Cheap

FOUNDATION

	Mud Sills
	Post and Pier
	Brick
X	Concrete
	Pile

BASEMENT

	Full %
N	Sub-Basement
	Size x
	Garage No. Cars
	Floors
	Plastered
	Living Rooms
	Service Rooms

ROO

X

6

X

ROO

Or

Dat

Eff

De

Other Buildings $

Total $

Assessed Value 50% $

Sup. Building A. V. $

Total $

PLUMBING

No.	No. Fixtures
	Toilets
	Tubs, Leg or Pem.
	Basins, Ped.
	Sinks
	Urinals
	Showers (Tub) (Stall)
	Laundry Trays
	H.W. Tank Fl. Drains
	Sprink. Sys. No. Hds.

16 A. Sprink. 1951

HEATING

	Stove
No	Pipeless Furnace
	Gravity H. A.
2	Air Cond., Fan
	Arcola
X	1-Pipe Steam
	2-Pipe St. or Vapor
	Hot Water
	Oil Burner
	Coal Stoker

Suspended 1946 Floor Center 5280

WIRING

	Knobe & Tube
	Flex Cable
X	Conduit
	Power Wiring
	Range Wiring
	No. Outlets

ELEVATORS

	Pass. Freight
	Auto. Elec.
	Man. Hyd.
	Man.

33250 35500 10600 20 x 8 - 40 2240

EXTERIOR WALL CONSTR.

	Single Double
	2" x 4" Stud Walls
	2" x 6" Stud Walls
	Brick Walls
	Brick With Pilasters
X	Concrete Walls Blk.
X	Con. With Pilasters
	Tile Walls
	Rein. Con. Skel.
	Filler Walls
	Laminated Walls

EXTERIOR FACING

	Siding Shingles
	Shakes Stucco
	Brick Veneer
X	Cone Blk Kind
	Stone Cast S.
	Terra Cotta
	Struct. Glass
	Trim

FLOOR CONSTRUCTION

Joist Con. Size x

O. C. In Bridg.

	Mill Construction
X	Rein. Con. Beds Top

INTERIOR WALLS

	Stud and Plaster
	Lam. X Plastered
	Ply Wood Cold
	Ceiled Room
	Plaster Board
	Painted
	Stain Varnish
	Kalsomine
	Whitewashed
X	Unfinished

INTERIOR TRIM

	Fir
	Mah. Oak
	Metal
	Doors
X	Metal Windows
	Stained
	Varnished
X	Painted
	Unfinished

GAS STATIONS

	Frame
	Metal
	Masonry
	Plastered or Ceiled
	Floors

SERVICE BUILDING

	Frame
	Metal
	Masonry
	Plastered or Ceiled
	Floors

TANKS, ETC., LIST

2 Steel Refrig Units

12 x 14

Hoists: Elect. Hyd.

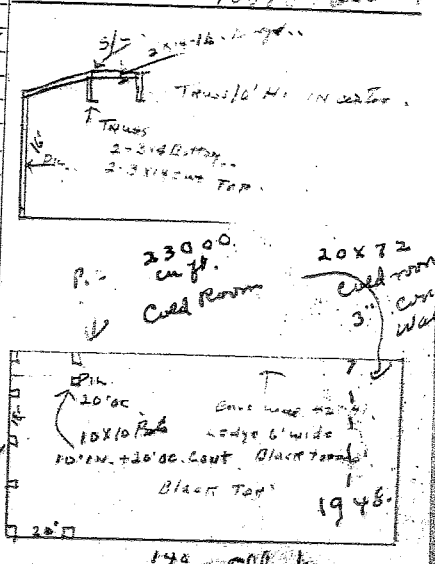
DOCKS AND PIERS

	Treated Piles and Timbers
	Untreated
	Treated Piles only
	Average Length
	Paved

C. H.	
S. B.	
B	
1	11'
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	

GROUND FLOOR AREA

TOTAL FLOOR AREA 10092 Sec 4



Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S.F. Area	Factor	Value	% Dep.	Depree.	Net Value
Garage					x			$		$	$
					x			$		$	$
					x			$		$	$
					x			$		$	$

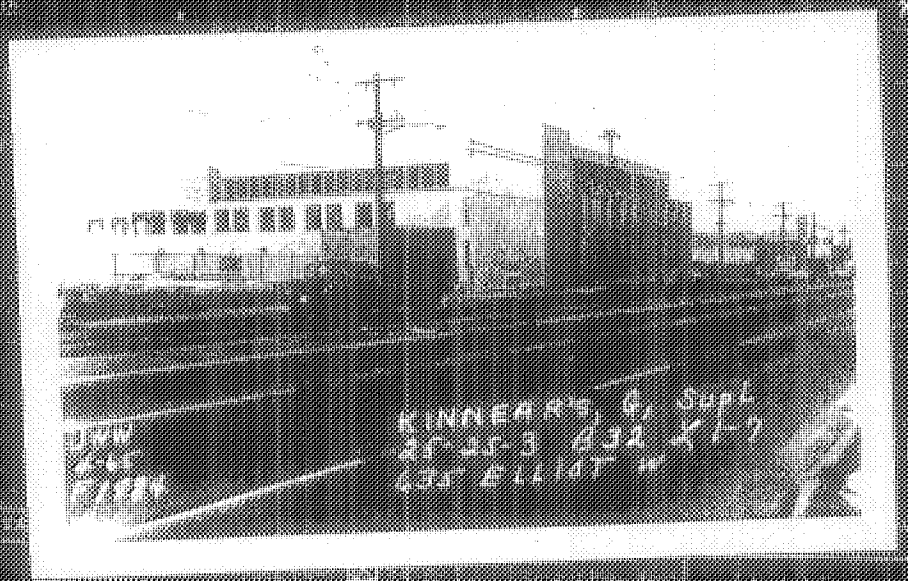
83

38799 2265

LIMITS	ROAD	SCHOOL	WATER	FIRE	TOTAL ACREAGE	TIMBER	IMPROVED	UNIMPROVED
0	Seattle-1				METRO	387990-2265	11670	337400 00 10

YEAR	AC	LAND	BLDGS	TOTAL	BY	DATE	REASON	CD	FEE OWNER	DATE	FILE#	PRICE
19 70		11,070	177,500	188,570	ES	12-29-69	8-5					
19 71		22,140	305,000	327,140	—	8/9	50% conversion					
19 72		37520	389,230	426,750	ask	4-1-71	8-5-1					
19 72 L 29791 B 309049 T 338840=387990-2265-0 9/71												
19 73 L 37520 B 389230 T 426750=387990-2265-0 9/71												
19												
19												
19												
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19												

YR	AG	LAND	BLDGS	TOTAL	BY	DATE	REASON	EST OWNER	DATE
1947		680			JV	7-48			
1949		680	4000	4680	RS	4-48	New bldg Roof		
1951		680	10500	11180	RH	7-49	Imp Fin - Enclosed	Cold Room	
1953		1480	10500	11980	RH	4-52	Rec		
1953		1480	10600	12080	LD	7-53	Chain link		
1954		5830	67800 (2)	73630	MBH	9-53	Drive-in		
1954		6080	67800 (2)	73880					
1955		6950	67800 (2)	74750		11-53			
1957		6950	72700 (2)	79650	MH	8-54			
1957		6950	72000 (2)	78950	LP	5/31/56	Elec Bldg		
1959		6950	127,950	134,900	SH	4-2-58	New Bldg & Fin 57 Bldg & new bldg		
1960		6950	127,950 (3)	134,900	LM	12-1-58	RV		
1965		11,070	127,950 (3)	139,020	MB	11-26-64			
1966		11,070	133,100 (3)	144,170	EL	9-17-64	Remodel 10-1-964		
1966		11,070	172800 (3)	183870	BL	9-1-65	new add bldg 2		
1967		11,070	177,500 (3)	188,570	EL	12-29-66			
1968									



FOLIO 1884

ADDITION SUPL. PLAT OF G. KINNEARS

Section Twp. Range Ewm. Block 32 Lot or 1 TO 7 INCL

PERMIT NO. Tax Lot Tract

DATE Address 635 ELLIOTT AVE & SLY 60' OF VAC. ROY ST ADJ

Fee Owner CONSOLIDATED DAIRY

Condition of Exterior G

USE FACTORY & OFF

3	No. Stories
	No. Stores
	No. Rooms
	Basement
	No. Offices
	No. Apartments
	1 rm. 2 rm. 3 rm
	4 rm. 5 rm. 6 rm

TYPE OF CONSTRUCTION

	Frame
	Single Double
X	Ordinary Masonry 1957 ADD
	Mill Construction
X	Class A Rein. Con.
	Stru. Steel and Con.
	Tile Brick
	Con. Rein. Con.

Good X Med. Cheap

FOUNDATION

	Mud Sills
	Post and Pier
	Brick
X	Concrete
	Pile

BASEMENT

X	Full %
	Sub-Basement
	Size
	Garage No. Cars
X	CONC. Floors
	Plastered
	Living Rooms
	Service Rooms

EXTERIOR WALL CONST.

	Single Double
	2" x 4" Stud Walls
	2" x 6" Stud Walls
	Brick Walls
	Brick with Pilasters
X	Concrete Walls BLK X 57 ADD
	Con. with Pilasters
	Tile Walls
X	Rein. Con. Skel.
	Filler Walls
	Laminated Walls

EXTERIOR FACING

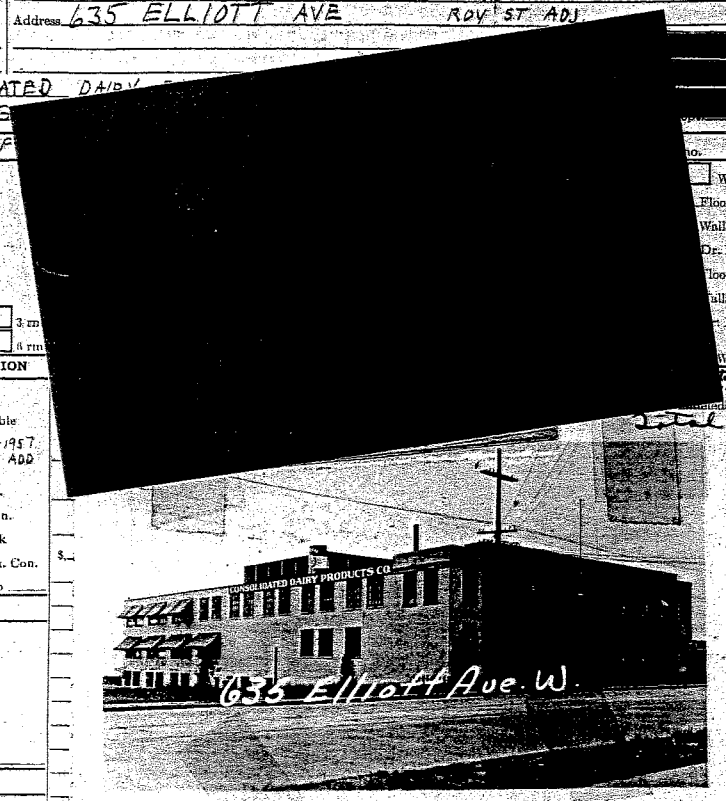
	Siding Shingles
	Shakes Stucco
	Brick Veneer
X	CONC. Kind
	Stone Cast S.
X	Terra Cotta FRONT
	Struc. Glass
	Trim

FLOOR CONSTRUCTION

Joist Con. Size x

O.C. In Bridg.

	Mill Construction
X	Rein. Con.



PLUMBING

12 4"	No. Fixtures
	Toilets
	Tub, Leg or Pem.
	Basins, Ped.
	Sinks
	Urinals
	Showers (Tub) (Stall)
	Laundry Trays
	H. W. Tank Fl. Drains
X	Sprink. Sys. FULL Hds.

HEATING

	Stove
	Pipeless Furnace
	Gravity H.
	Air Cond.
	Suspended Gas. Hot Water
X	Steam Heat
	Hot Water SUSP. FAN RADS
	Oil Burner

Year	Assessed Value
1956	57,200 E 53
1957	57,500 A 56
1959	71,400 cm 55
1966	111,100-2WW-C5
1967	124,400 R 65
	248,800

TANKS, ETC., LIST

Hoists: Elec. Hyd.

ELEVATORS

Pass. X	Freight		
Auto. X	Elec.		
Man.	Hyd.		
	Man.		

5000 LB.-25-00 L.B.

3 STOPS

DOCKS AND PIERS

	Treated Piles, Timb.
	Untreated
	Treated Piles only
	Average Length
	Paved

WIRING

	Knob & Tube
	Flex. Cable
X	Conduit
X	Power Wiring
	Range Wiring
	No. Outlets

INTERIOR WALLS

	Stud and Plaster
	Lam. Plastered
	Plywood
	Ceiled
X	Plaster Board & CONC
X	Painted
	Stain Varnish
	Kalsomine
	Whitewashed
	Unfinished
	ACC.T. CLGS OFF

INTERIOR TRIM

X	Fir
	Mah. Oak
	Metal
X	METAL Doors
X	" Windows
	Stained
	Varnished
X	Painted
	Unfinished

	C. H.
B	8
1	10
2	10
3	10
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	

GROUND FLOOR AREA 23915 23574 H

TOTAL FLOOR AREA 68244 77538

SEE SUPL. SHEET

	Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S. F. Area	Factor	Value	% Dep.	Deprec.	Net Value
	Garage					x			$		$	$
						x			$		$	$
						x			$		$	$
						x			$		$	$

SM 2-56 3

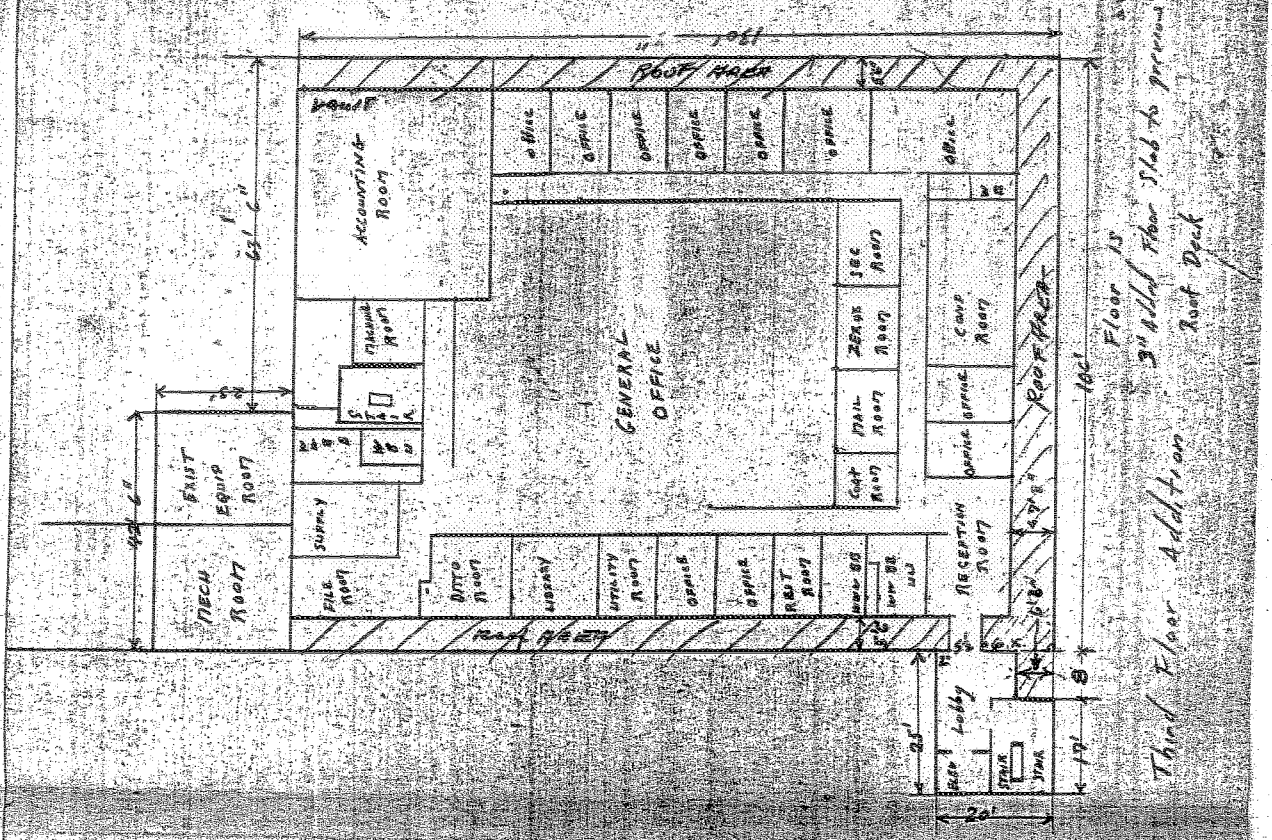
FOLIO 1864 ADDITION K INNOR'S N. Add SUPL Bldg "A"

505846 Section NW 25 Twp. 25 Range 3 Form. Block 134 Lot or Tract U-T 1 of

DATE 11-20-63 Tax Lot

ADDRESS 635 Elliott Ave W 3RD FIR Bldg A

Fee Owner Consolidated Dairy Products Co



Supl sheet
3rd Floor Bldg A

FOLIO 1884

PERMIT NO. 457057 - 457493

DATE 7-15-57 - 8-27-53

ADDITION Supl Plat G. Kinnear

Section Twp. Range Ewm. Block 32 Lot or Tract 1707 incl +

Tax Lot

Address 635 Elliott Ave West. Bldg C

[redacted]

Fee Owner Consolidated Dairy Prod. Architect Dexter, Chestnut

Condition of Exterior G Interior G Foundation G Floor Plan: Good Accept X Good

USE Garage +

1 No. Stories W'House
No. Stores
No. Rooms
Basement
No. Offices
No. Apartments
1 rm. 2 rm. 3 rm.
4 rm. 5 rm. 6 rm.

TYPE OF CONSTRUCTION

Frame
Single Double
X Ordinary Masonry
Mill Construction
Class A Rein. Con.
Stru. Steel and Con.
Tile Brick
X Con. Rein. Con.
Good Med. FILT UP X Cheap

FOUNDATION

Mud Sills
Post and Pier
Brick
X Concrete
Pile

BASEMENT

X Full %
Sub-Basement
Size
Garage No. Cars
Floors
Plastered
Living Rooms
Service Rooms

EXTERIOR WALL CONST.

Single Double
2" x 4" Stud Walls
2" x 6" Stud Walls
Brick Walls
Brick with Pilasters
X Concrete Walls FILT UP
Con. with Pilasters
Tile Walls
Rein. Con. Skel.
Filler Walls
Laminated Walls

EXTERIOR FACING

Siding Shingles
Shakes Stucco
Brick Veneer
X CONC. + BLK Kind
Stone Cast S.
Terra Cotta
Struc. Glass
Trim

FLOOR CONSTRUCTION

Joist Con. Size 8x20 @ 7
O.C. In Brdg.
Mill Construction
X Rein. Con. 7" 12x

ROOF CONSTRUCTION

Frame Lam. 3x6 Trg
X Mill Construction 6x14 PURLINS @ 7'0c
Rein. Concrete
2 No. Trusses 9"x27 GLULAM'S @ 52' long
Wood Steel

ROOFING MATERIAL

Tar and Gravel
Or BILT UP

FLOOR FINISHES

Fir Maple
Oak 2"x6" T&G
Lino. 3"x6" T&G
X Cement 2 inf
Terrazzo
Racolith
Tile
Or X Black Top 1st

Tile Total: Tile Lino.
Baths Fl. Walls
Sq. Ft. Floors
Sq. Ft. Walls
Lin. Ft. Dr. Bds.

Lino. Total:
Sq. Ft. Floors
Sq. Ft. Walls
Lin. Ft. Dr. Bds.
Kit's Fl. Walls

PLUMBING

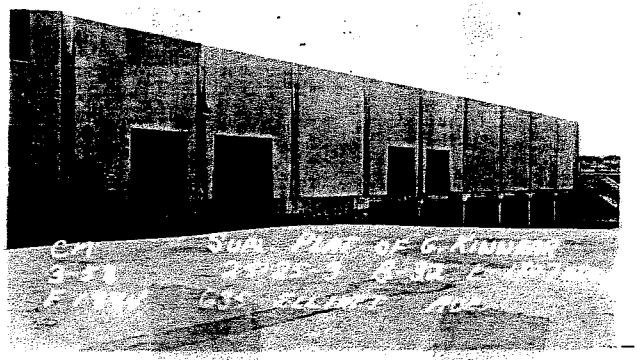
NL No. Fixtures
2 Toilets
Tub, Leg or Pam.
2 Basins, Ped.
Sinks
Urinals
Showers (Tub) (Stall)
Laundry Trays
1 H. W. Tank Fl. Drains
FULL Sprink. Sys. No. Hds.

HEATING

Stove
Pipeless Furnace
Gravity H. A.
Air Cond., Fan
2 Suspended ~~Gas~~ Hot Water
Steam Heat RADS.
Hot Water
Oil Burner

Date Built 1957 X Finished Unfinished Remodeled

Effective Age Years Future Life 70 Years



Year	Assessed Value
1959	23 30 - 54
66	28 450
67	26 [illegible]
	53 400

'66 TWO '65

Pass. Freight Auto. Elec. Man. Hyd. Man.

Hoists: Elec. Hyd.

Treated Piles, Timb
Untreated
Treated Piles only
Average Length
Paved

Knob & Tube
Flex. Cable
X Conduit
Power Wiring
Range Wiring
No. Outlets

INTERIOR WALLS

Stud and Plaster
Lath Plastered
Plywood
Ceiled
Plaster Board
Painted
Stain Varnish
Kalsomine
Whitewashed
X Unfinished

INTERIOR TRIM

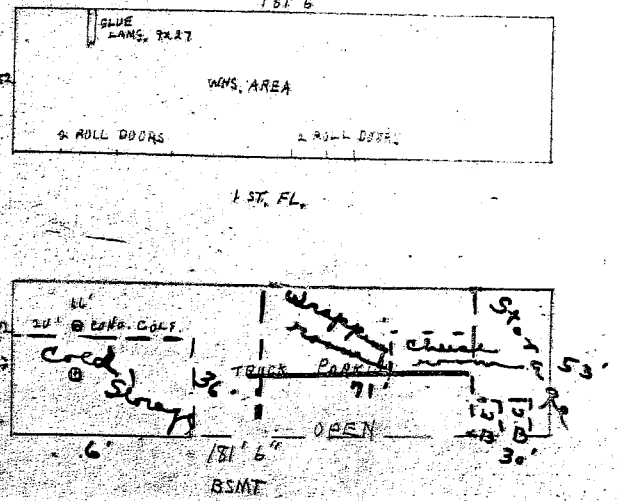
Fir
Mah. Oak
Metal
WD. Doors
Windows
Stained
Varnished
Painted
X Unfinished

C. H.

B 9
1 Lb
2
3
4
5
6
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9
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12
13
14
15
16
17 PART
18 Bldg A
19
20
21
22

GROUND FLOOR AREA 9438

TOTAL FLOOR AREA 18876



	Other Buildings	Construction	Floor	Roof	Stories	Dimensions	S. F. Area	Factor	Value	% Dep.	Deprec.	Net Value
	Garage								$		$	$
									$		$	$
									$		$	$
									$		$	$

5M 2-56

FOLIO 1824 ADDITION SUPL. PLAT of G. KINNEARS

Section Twp. Range Ewm. Block 32 Lot or Tract 1107 etc.

DATE

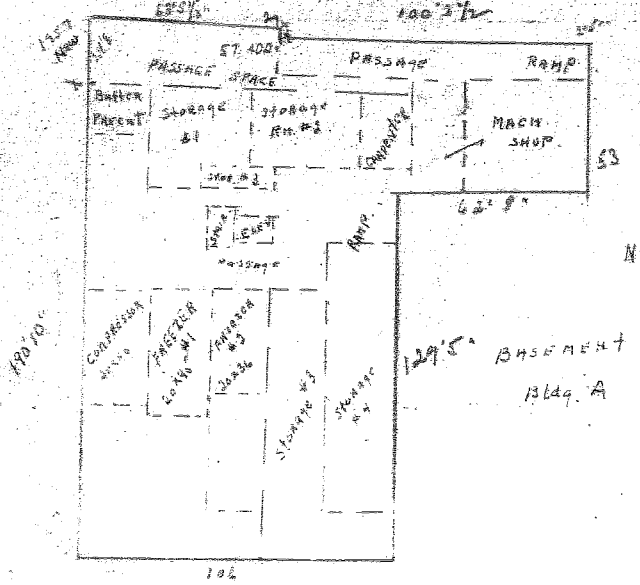
ADDRESS 635 ELLIOTT AVE W.

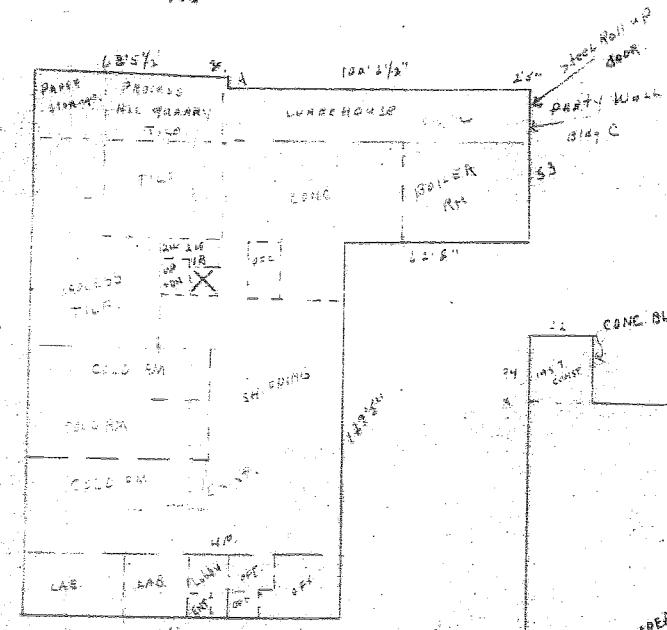
Fee Owner Consolidated Dairy Products

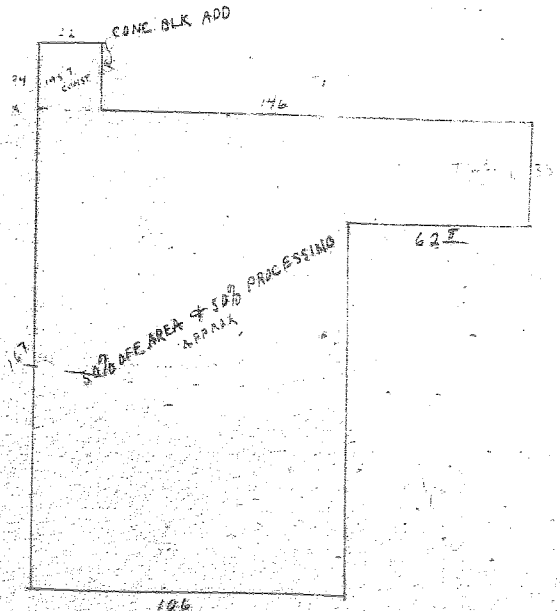
Floor Plans old Bldg + New Add

DO NOT DESTROY.

Bldg. A.







33 10-58

1. DISTRICT 2. ADDITION SUP. PLAT OF G. KINNEARS 4 B 2A

SECTION TWP N. RANGE EWM BLOCK 32 TRACT OR LOT NO. 1

LIMITS DESCRIPTION Por. Vac. St. Adj.

OL

CODE NO. 1

3. ADDRESS OF PROPERTY CONTRACT PURCHASER

4. FEE OWNER Seattle Milk Shippers Assn. 3-20 29

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY level GRADE below 4' FT. 2. STREET-ROAD graded SURFACE conc.

ALLEY none 3. SIDEWALK none SEWAGE sewer WATER city PUMP DRAINAGE

4. LANDSCAPING none CONDITION 5. TREND static VALUE OF LOT $ FRONT STREET

FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT

6. USE business 7. DISTRICT med. old Forced 1929

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$

LAND SIZE X TOTAL $

C.	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
	Cons. Dairy Prod Assn.	3-8-45	345721	22500-		
			3394-621			

DISTRICT: ROAD	SCHOOL	WATER	FIRE

ASSESSED VALUE LAND

LOT $

UNIMPROVED ACRES $

IMPROVED ACRES $

OTHER LANDS $

TIMBER $

TOTAL ASSESSED VALUE 50% $

DATE

REMARKS

ASSESSED VALUE YEAR	AC.	LAND	DECREASE OR INCREASE IN ASSESSED VALUATION DATE	BY	REASON	LAND DECREASE	LAND INCREASE
1938		380			Ord # 186 2/17/43		
1945		680	2-22-44	NS	RV		
1947		680	7-45	CW			
19							
19							
19							
19							
19							
19							
19							
19							

VACANT — KING COUNTY ASSESSOR — SEATTLE, WASHINGTON FRAYN PRINTING CO. SEATTLE

LAND CLASSIFICATION AND SEGREGATION

THIS SQUARE INDICATES 1/4 ACRES

INDICATE BY AREAS, USE OF LAND BY MARKS AND TYPE BY LETTERS

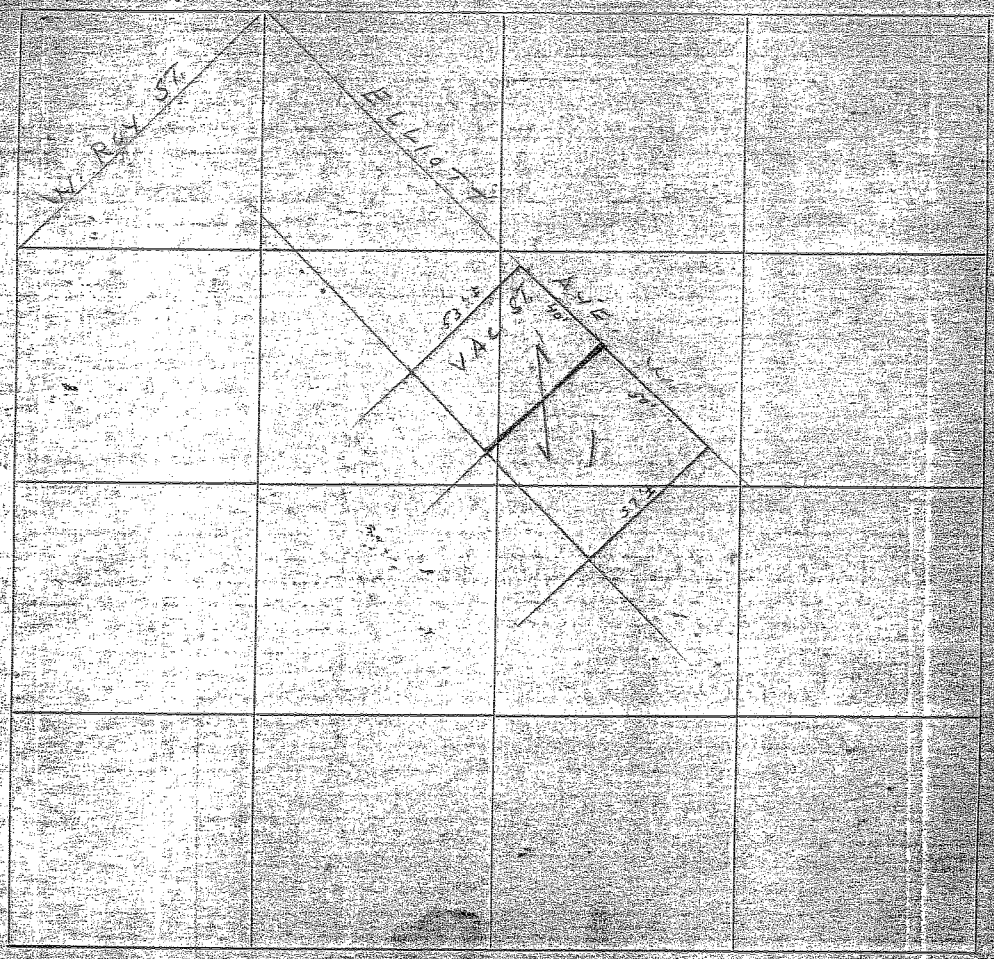
SECTION NW 23

TWP 25 N

RANGE 3 E

TAX LOT NO.

PARCEL NO.



AERIAL PHOTO

QUARTER MAP

PLAT MAP #2374

LAND USE	ACRES
111 CULTIVATED	
# PASTURE	
OO TIMBER	
XX STUMP	
GRAVEL OR USELESS	
W SWAMP	

LAND TYPE	ACRES
A SHOT CLAY	
B BOG	
C PEAT	
D SILT	
E LOAM	
F GRAVEL	
G BOTTOM	
H UPLANDS	
K HILLY	

IF USED AS ¼ SECT. SCALE ONE INCH 400 FEET OR 160 ACRES OR 2640 FEET

IF USED AS ⅛ OR ¼-¼ SCALE ONE INCH 200 FEET OR 40 ACRES OR 1320 FEET

IF USED AS ⅛-¼-¼ SCALE ONE INCH 100 FEET OR 10 ACRES OR 660 FEET

387990 2215

ADDITION

1/4 SECTION TWP. N. RANGE BLOCK LOT

DESCRIPTION

Only E 1/2 of N 1/2 of S 1/2 of S 1/2

LIMITS

OWNER OR CONTRACT PURCHASER	DATE	FILE NUMBER	PRICE	REMARKS
Reference Only	11/19/85	766620		

DISTRICT: ROAD	SCHOOL	WATER	FIRE	SEWER	FLOOD ZONE	HOSPITAL	PARK & REC. DIST.	AIRPORT	METRO		LEVY CODE

ASSESSED VALUE

YEAR	ACRES	TIMBER	LAND	BLDGS.	TOTAL	DATE	BY	REASON	SEG. NO.
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									

Assessor Legal Description Records:

Account Number	766620198008	Record Number	01 - 03
Legal Description	13-14-15-16 150 & SEATTLE TIDE LDS LOTS 14, 15 & 16 & SELY 20 FT OF LOT 13 BLK 150 SEATTLE TIDELANDS LESS NP RR R/W TGW LOTS 2, 3 & 4 & PORTIONS LOTS 1 & 5 BLK 31 SUPPLEMENTARY PLAT OF KINNEAR'S ADD LYING BETWEEN NELY PROLONGATION OF NWLY & SELY LINES OF ABOVE DESCRIBED PROPERTY IN SD BLK 150		

Assessor Commercial Building Records:

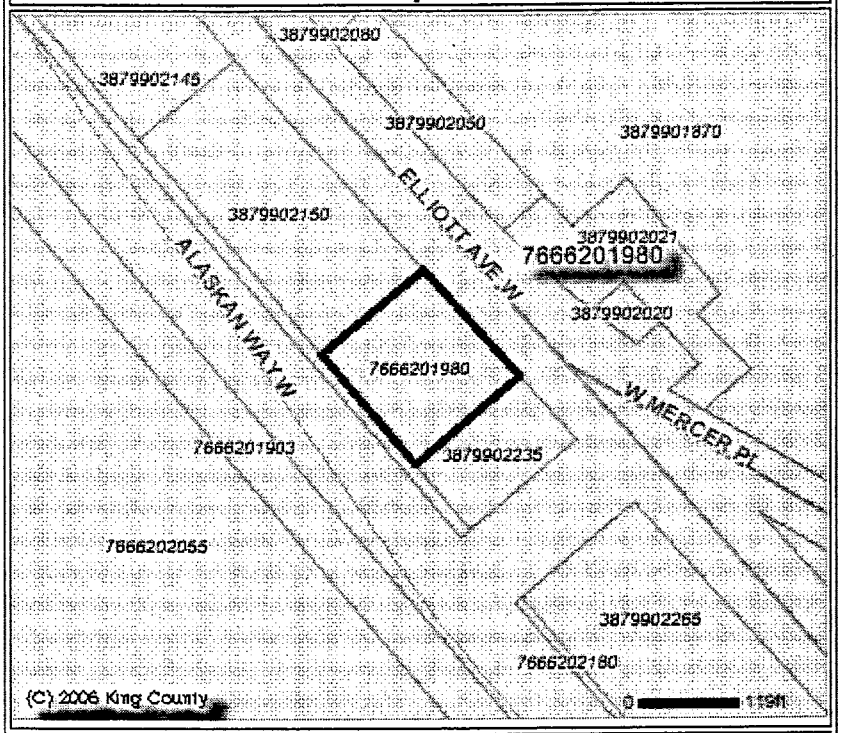
Address	1041 ELLIOTT AV W 98119		
Building Number	1	Building Quality	AVERAGE
Number of Buildings	1	Building Description	OFFICE/STORAGE
Year Built	1927	Construction Class	WOOD FRAME
Gross SqFt	10800	Shape	Rect or Slight Irreg
Net SqFt	5400	Sprinklers	N
Stories	1	Elevators	
Heating System	SPACE HEATERS		
Predominant Use	INDUSTRIAL LIGHT MANUFACTURING (494)		

Building Number	2	Building Quality	AVERAGE
Number of Buildings	1	Building Description	WAREHOUSE
Year Built	1979	Construction Class	WOOD FRAME
Gross SqFt	2310	Shape	Rect or Slight Irreg
Net SqFt	2310	Sprinklers	N
Stories	1	Elevators	
Heating System	SPACE HEATERS		
Predominant Use	STORAGE WAREHOUSE (406)		

Building Number	3	Building Quality	AVERAGE
Number of Buildings	1	Building Description	WAREHOUSE
Year Built	1979	Construction Class	WOOD FRAME
Gross SqFt	1800	Shape	Rect or Slight Irreg
Net SqFt	1800	Sprinklers	N
Stories	1	Elevators	
Heating System	SPACE HEATERS		
Predominant Use	STORAGE WAREHOUSE (406)		

King County Home News Services Comments Search

Parcel Map and Data



Parcel Number	7666201980
Address	1041 ELLIOTT AV W
Zipcode	98119
Taxpayer	RITT STEVEN

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The details.

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Assessor Real Property Records:

Taxpayer	RITT STEVEN	Parcel Number	3879902235
		Account Number	387990223506
Tax Year	2005	Levy Code	0010
Tax Status	TAXABLE	Taxable Value Reason	NONE OR UNKNOWN

Appraised Land Value	$756,000	Taxable Land Value	$756,000
Appraised Improvement Value	$367,400	Taxable Improvement Value	$367,400

Taxpayer	RITT STEVEN	Parcel Number	3879902235
		Account Number	387990223506
Tax Year	2006	Levy Code	0010
Tax Status	TAXABLE	Taxable Value Reason	NONE OR UNKNOWN

Appraised Land Value	$756,000	Taxable Land Value	$756,000
Appraised Improvement Value	$423,700	Taxable Improvement Value	$423,700

Assessor Property Sales Records:

Tip: Use the Recorders Office: **Excise Tax Affidavits** Report to see more sales records details

Sale Date	5/21/1991	Sale Price	$0
Seller Name	RITT AL+RHEA		
Buyer Name	RITT STEVEN		

Assessor Parcel Records:

District Name	SEATTLE		
Property Name	LEATHER CARE	Property Type	COMMERCIAL
Plat Name	KINNEARS G ADD SUPL	Present Use	Industrial (Lignt)
Plat Block	31 &	Water System	WATER DISTRICT
Plat Lot	5-6-7	Sewer System	PUBLIC
Lot Area	16,800 SqFt (0.39 acres)	Access	PUBLIC
Section/Township/Range	NW 25 25 3	Street Surface	PAVED

By law this information may not be used for commercial purposes.

Assessor Real Property Records:

Taxpayer	**RITT STEVEN**	Parcel Number	**7666201980**
		Account Number	**766620198008**
Tax Year	**2005**	Levy Code	**0010**
Tax Status	**TAXABLE**	Taxable Value Reason	**NONE OR UNKNOWN**

Appraised Land Value	**$1,249,600**	Taxable Land Value	**$1,249,600**
Appraised Improvement Value	**$1,000**	Taxable Improvement Value	**$1,000**

Taxpayer	**RITT STEVEN**	Parcel Number	**7666201980**
		Account Number	**766620198008**
Tax Year	**2006**	Levy Code	**0010**
Tax Status	**TAXABLE**	Taxable Value Reason	**NONE OR UNKNOWN**

Appraised Land Value	**$1,249,600**	Taxable Land Value	**$1,249,600**
Appraised Improvement Value	**$1,000**	Taxable Improvement Value	**$1,000**

Assessor Property Sales Records:

Tip: Use the Recorders Office: **Excise Tax Affidavits** Report to see more sales records details

Sale Date	**8/9/1989**	Sale Price	**$0**
Seller Name	**ROSEN-RITT LAURIE E**		
Buyer Name	**RITT STEVEN**		

Assessor Parcel Records:

District Name	**SEATTLE**		
Property Name	**GREG THOMPSON PRODUCTIONS**	Property Type	**COMMERCIAL**
Plat Name	**SEATTLE TIDE LDS BL 01-376**	Present Use	**Warehouse**
Plat Block	**150 &**	Water System	**WATER DISTRICT**
Plat Lot	**13-14-15-16**	Sewer System	**PUBLIC**
Lot Area	**27,770 SqFt (0.64 acres)**	Access	**PUBLIC**
Section/Township/Range	**NW 25 25 3**	Street Surface	**NONE OR UNKNOWN**

Assessor Legal Description Records:

Account Number	387990223506	Record Number	01 - 02
Legal Description	5-6-7 31 & KINNEARS G & SUPL POR LOTS 5-6-7 LY BTW NWLY LN OF LOT 17 & SELY LN OF LOT 18 BLK 150 SEATTLE TIDE LDS PROD NELY & POR LOTS 17 & 18 SD BLK 150 LY NELY OF NP R/W		

Assessor Commercial Building Records:

Address	901 ELLIOTT AV W 98119		
Building Number	1	Building Quality	AVERAGE
Number of Buildings	1	Building Description	OFFICE WHSE/MFG/RETAIL
Year Built	1924	Construction Class	MASONRY
Gross SqFt	19275	Shape	Rect or Slight irreg
Net SqFt	19275	Sprinklers	N
Stories	2	Elevators	
Heating System	NO HEAT		
Predominant Use	INDUSTRIAL LIGHT MANUFACTURING (494)		

This report was generated: 6/2/2006 8:22:14 AM

Related on-line reports:

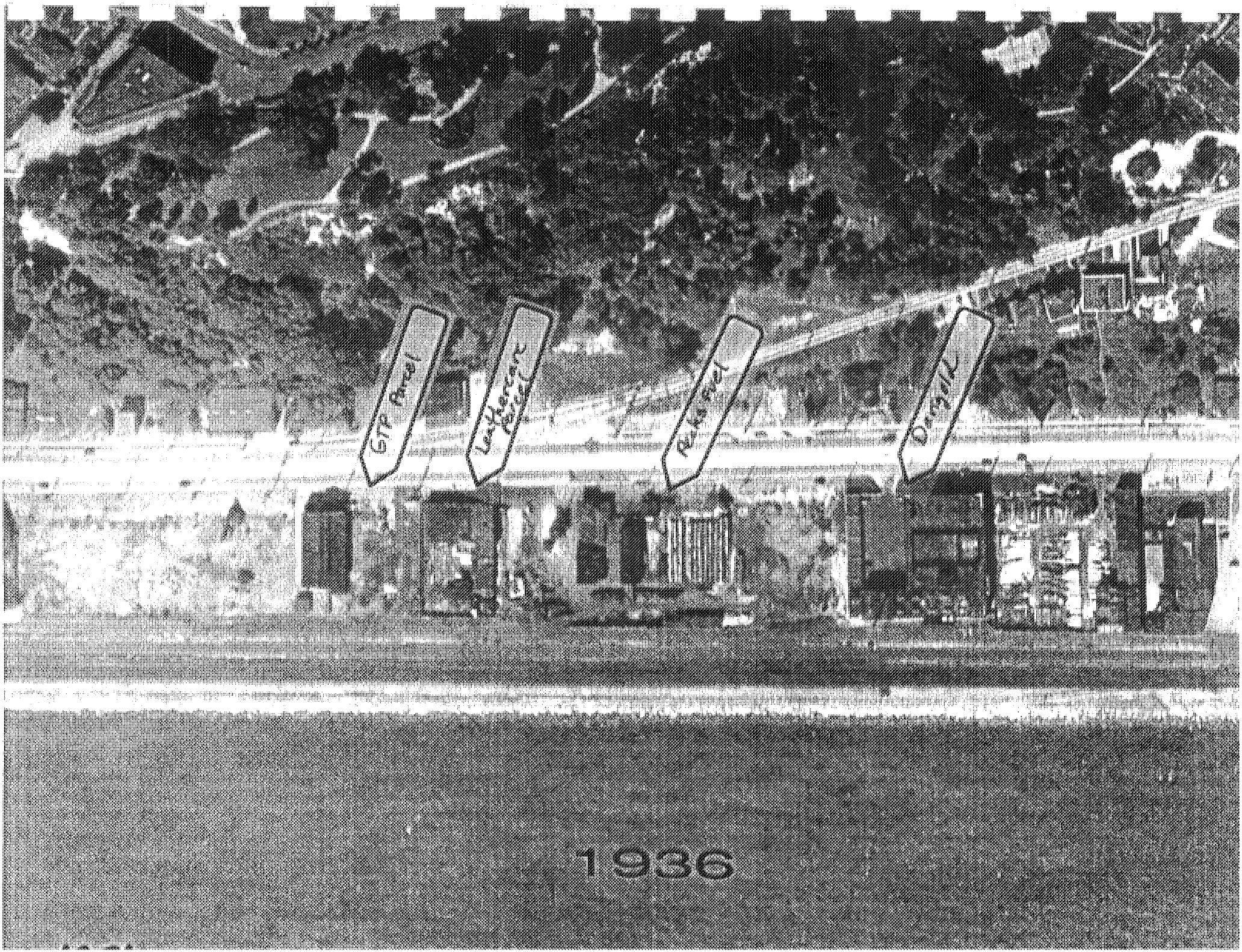
- King County GIS: **Property information FAQ**
- King County Assessor: **Submit a request to correct this information**
- DDES: **Permit Applications Report**
- King County: **Districts and Development Conditions** Report
- King County Assessor: **eReal Property** Report (PDF format requires Acrobat)
- King County Assessor: **Quarter Section Map** Report (PDF format requires Acrobat)
- King County Treasury Operations: **Property Tax Information**
- Recorders Office: **Excise Tax Affidavits** Report
- Recorders Office: **Scanned images** of plats, surveys, and other map documents

Enter a 10 digit Parcel Number:

or Enter an address:

Search

AERIAL PHOTOGRAPHS


1936

1918

The EDR Aerial Photo Decade Package

Leather Care
901/921 Elliott Avenue West
Seattle, WA 98119

Inquiry Number: 1561125.6

November 28, 2005



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Data Resources Inc

The Standard in Environmental Risk Management Information

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Milford, Connecticut 06461

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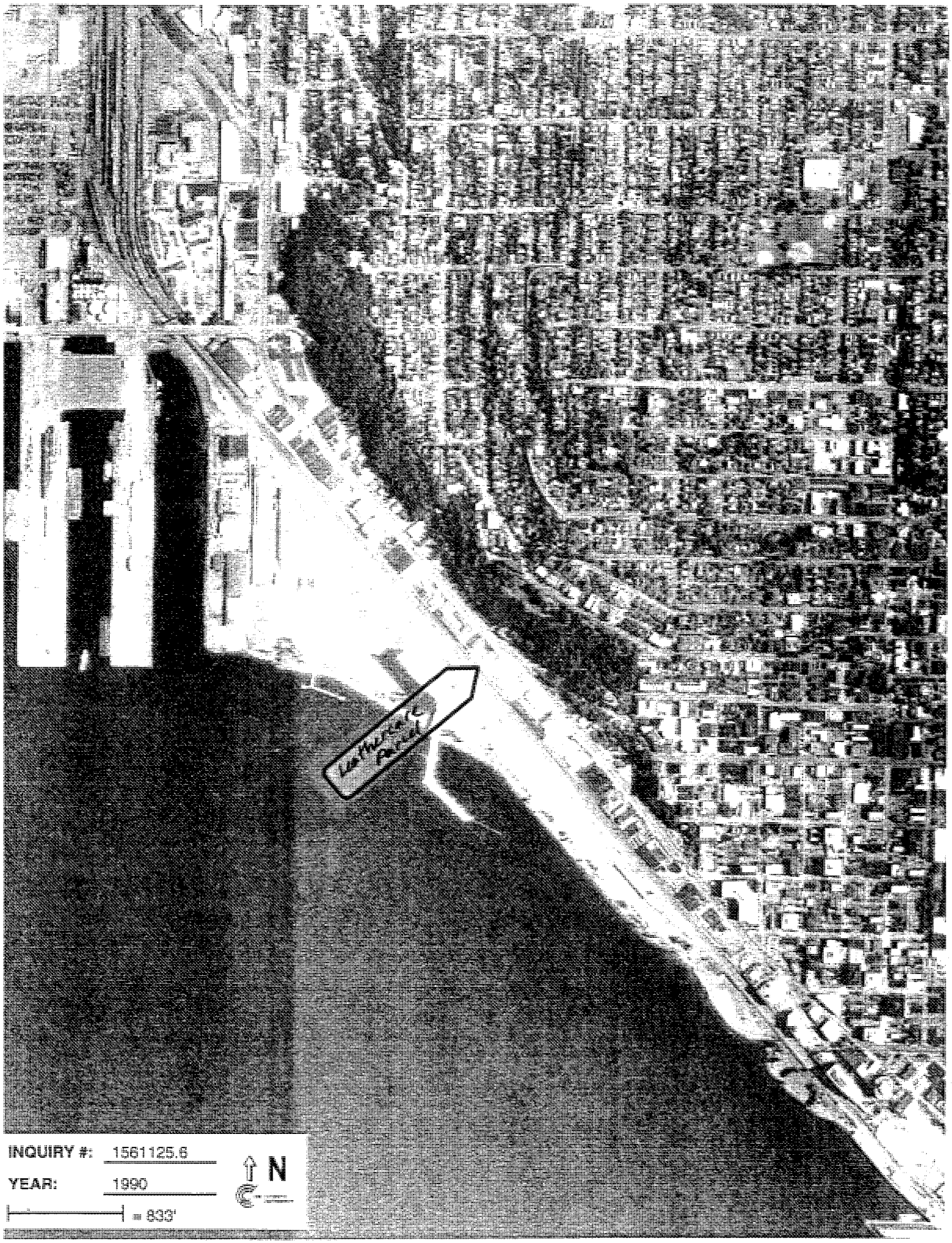
Date EDR Searched Historical Sources:

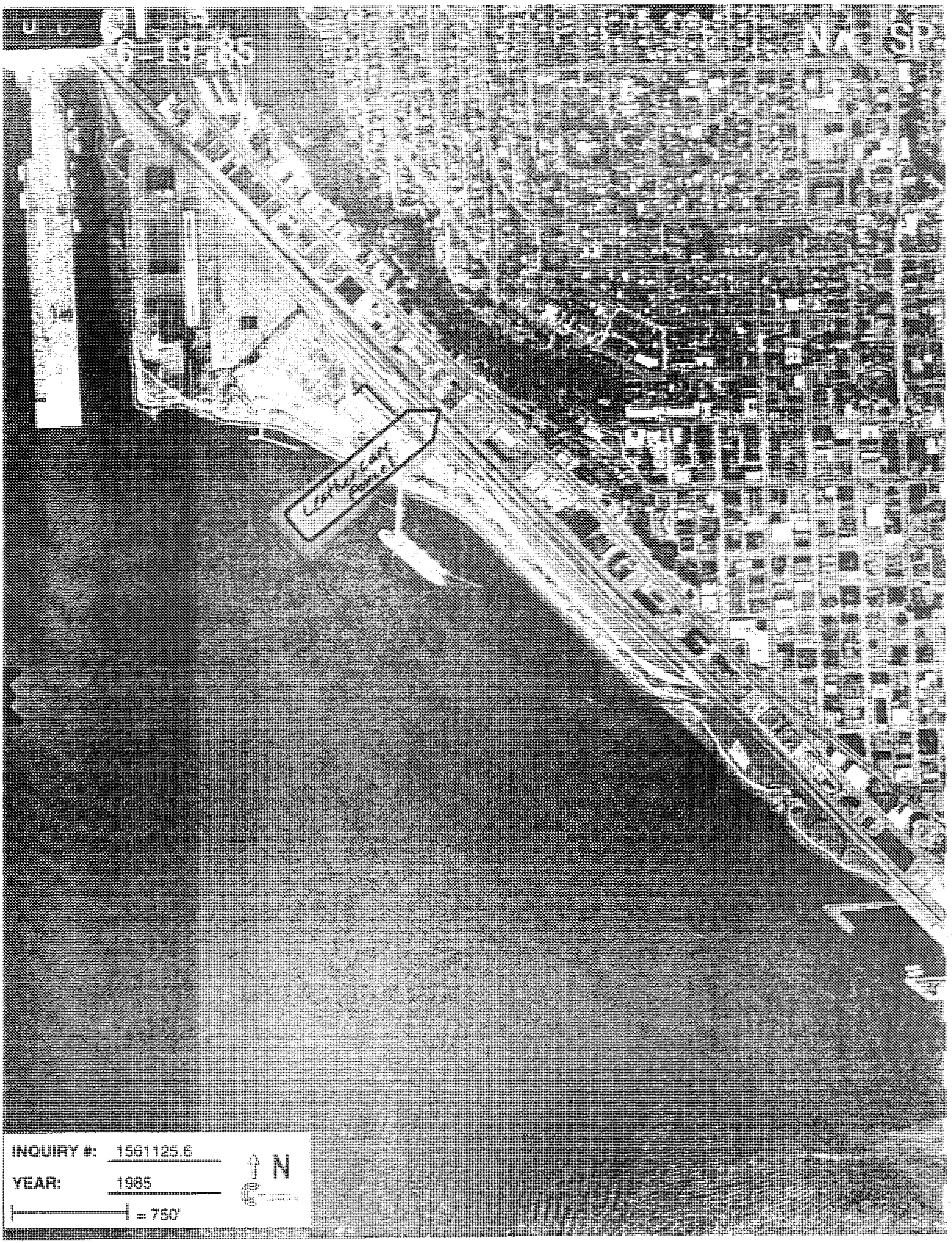
Aerial Photography November 28, 2005

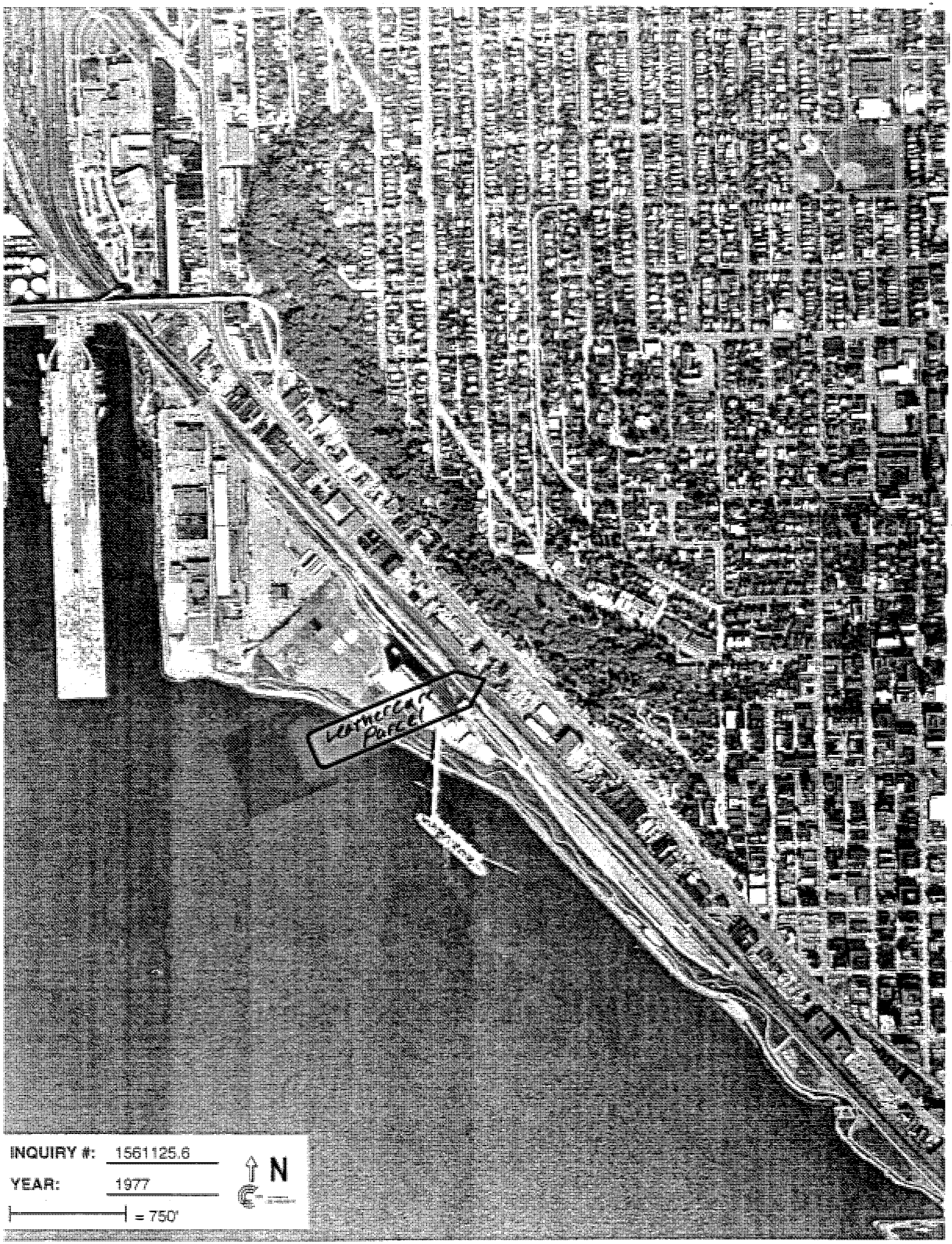
Target Property:

901/921 Elliott Avenue West
Seattle, WA 98119

Year	*Scale*	*Details*	*Source*
1956	Aerial Photograph. Scale: 1"=750'	Panel #: 2447122-F3/Flight Date: August 07, 1956	EDR
1965	Aerial Photograph. Scale: 1"=750'	Panel #: 2447122-F3/Flight Date: June 29, 1965	EDR
1977	Aerial Photograph. Scale: 1"=750'	Panel #: 2447122-F3/Flight Date: October 11, 1977	EDR
1985	Aerial Photograph. Scale: 1"=750'	Panel #: 2447122-F3/Flight Date: June 19, 1985	EDR
1990	Aerial Photograph. Scale: 1"=833'	Panel #: 2447122-F3/Flight Date: July 10, 1990	EDR


Northwest Parcel
INQUIRY #: 1561125.6
YEAR: 1990
= 833'
N


U.S.
1985
N.A.S.P.
INQUIRY #: 1561125.6
YEAR: 1985
= 750'
N



INQUIRY #: 1561125.6

YEAR: 1977

N

= 750'


Leather Care
Facility
INQUIRY #: 1561125.6
YEAR: 1965
= 750'
N



INQUIRY #: 1561125.6

YEAR: 1956

= 750'

N

SANBORN MAPS

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Sanborn® Map Report

Ship To: Pam Morrill
Camp, Dresser & McKee,
11811 NE 1st Street
Bellevue, WA 98005

Order Date: 11/22/2005 **Completion Date:** 11/23/2005
Inquiry #: 1561125.3S
P.O. #: NA
Site Name: Leather Care
Address: 901/921 Elliott Avenue West
City/State: Seattle, WA 98119
Cross Streets:

Customer Project: 38057-47522
1481257BRU 425-453-8383

Based on client-supplied information, fire insurance maps for the following years were identified

1917 - 1 Map
1950 - 1 Map
1969 - 1 Map

Limited Permission to Photocopy Total Maps: 3

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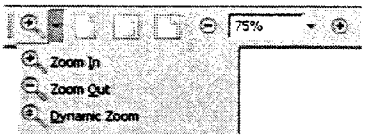
Reading Sanborn Maps

- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: http://www.edrnet.com/reports/samples/key.pdf

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File



1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
   A. On the menu bar, click "View" and then "Zoom to..."
   B. Or, use the magnifying tool and drag a box around the TP

Printing a Sanborn Map From the Electonic File

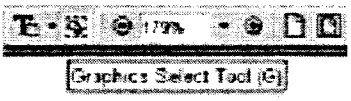
- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

<u>Acrobat Versions 6 and 7</u>



1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.

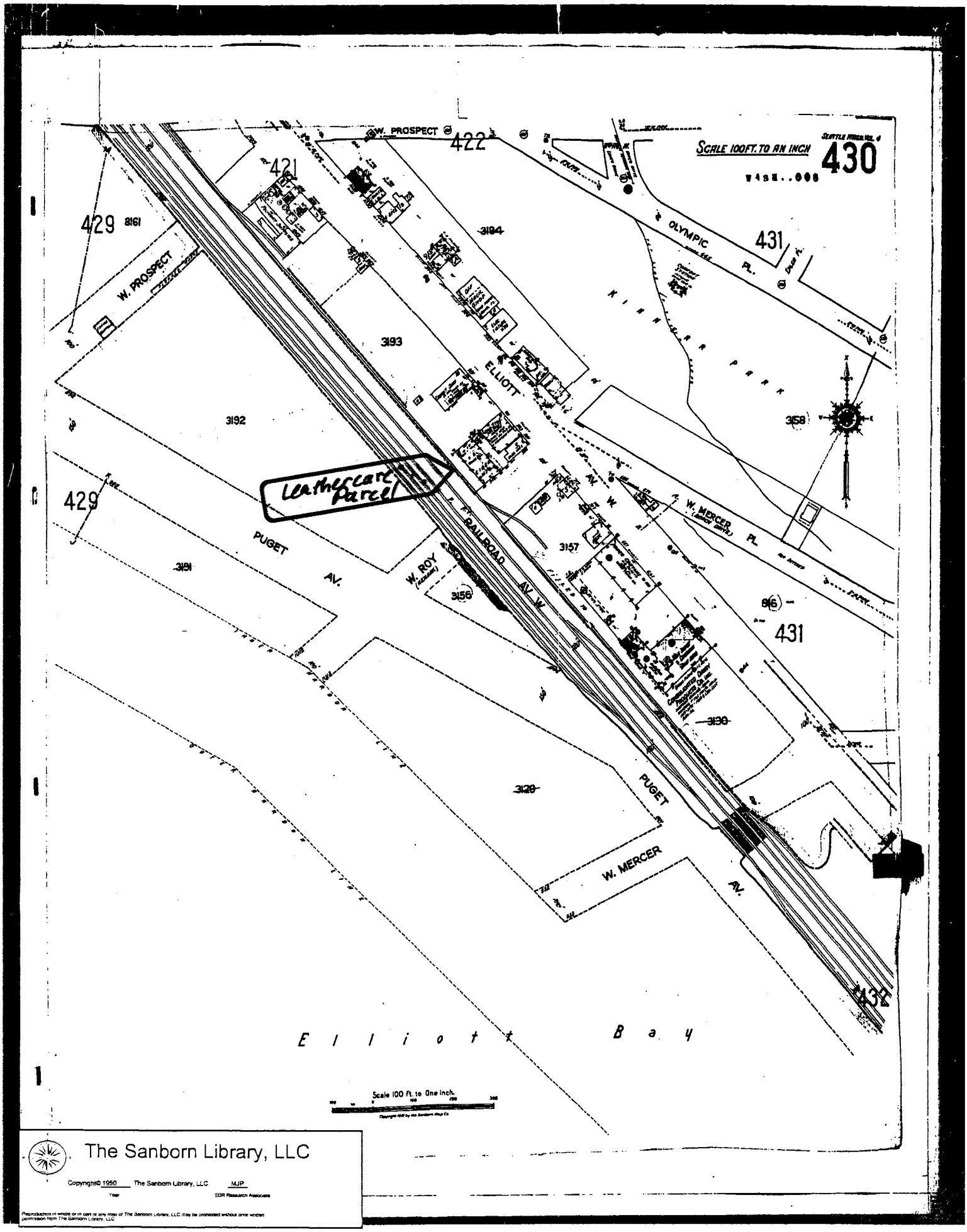
<u>Acrobat Version 5</u>



1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

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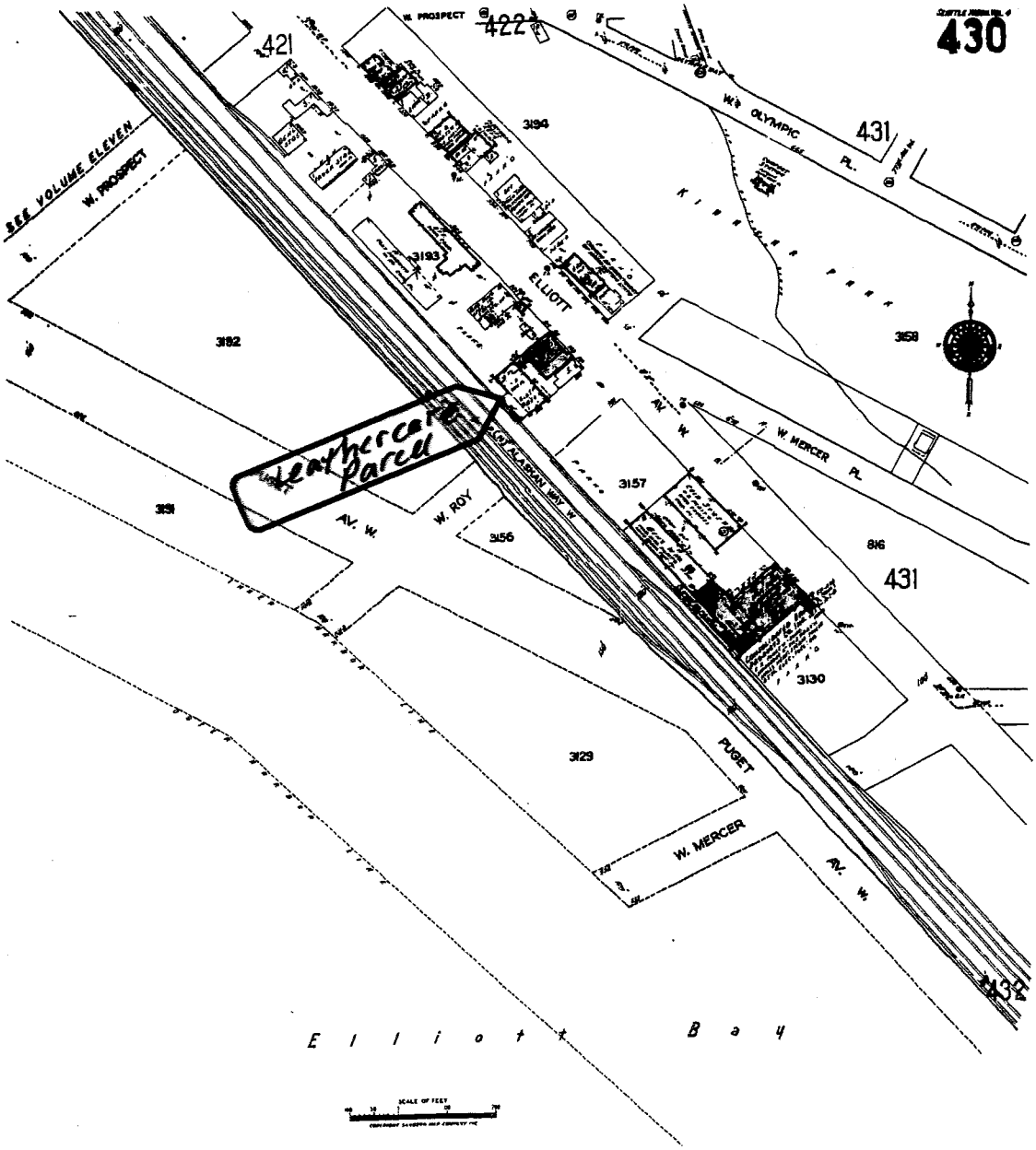
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- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
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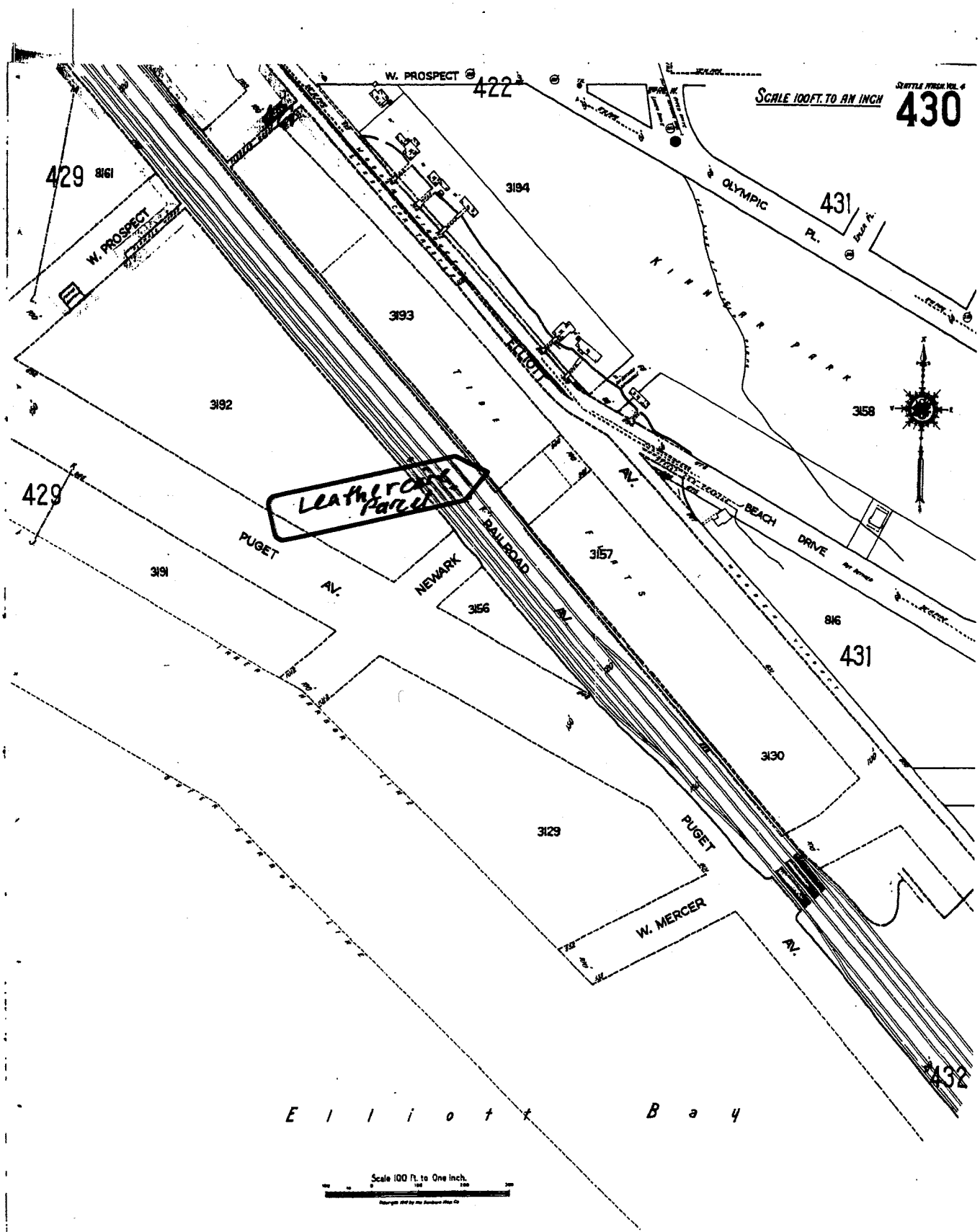
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PERMIT RECORDS

CDM

CLIENT Ryan Swanson JOB NO. 38057 - 47522 COMPUTED BY
PROJECT Leatherczie DATE CHECKED DATE 6/7/06
DETAIL CHECKED BY PAGE NO.

Elliot Ave W Construction Plans/Permits 6/7/06

901 Leatherczie Cleaners Sketch of front of building 1989
Neon sign

Mezzanine Construction

Jan 2001

1985 - Floor Plan

July 11 sections 1 & 2 concrete slab/stair

10 Aug '82 Truss Joist Truss Installation Formation
materials list/structural diagram

8 July '82 Const. Addn & altr cold storage/shipping
site plan & parking plan

Foundation Plan/Roof framing plan/Fire Dept. Access
sections

14 Sept '82 Landscape Plan Plan - Tank Layout - Addition to
American Conserving Co. Mfg. Facility

11 Sept '62 - Poster Panels

14 Sept '82. Install Tanks for American Conserving (food proc)

8 May '26 Alter factory for Anna Schwartz
dimensions side view
Apple Product Factory & Dwelling
apple processing rooms & residence
- paring, grating, cold storage

25 July '47 Second floor - Cold Storage & Shipping Bldg
1st floor

911 - 919 Elliot Ave W
12/1/77 Const Storage Building w/loading dock for Sound Elevator

28 Dec '77 Sound Elevator Co - Plans by Braden Steel Corp

CDM

CLIENT _____ JOB NO. _____ COMPUTED BY _____
PROJECT _____ DATE CHECKED _____ DATE _____
DETAIL _____ CHECKED BY _____ PAGE NO. _____

911-919 Cont.
Designs for Sound Elev. Co. Bldg. 10-21-77
Dec 12-28-77 const. plans / cards

919 Elliot Ave W 5-17-27
Factory bldg for Elliot Ave Portable Co.
Cross-sectional view

~~901 Elliot Ave W~~ ~~7-25-47~~

635 Elliot Ave W

6-1-05 West Farm Foods - Install cooling units (rooftop building info

8-4-05 new addition - selected ceiling plans/details
Roof Framing
Consolidated Dairy Products
design details

1-21-04 Office Renovation in West Farm Foods - phase II
10-23-03 Office Renovation

15 April 29 add storage rooms / roof plan
front view

10-2-'29 Garage for Con. Dairy

7-21-'41 Pendulum Dinner House Inc. cross-sectional view

*** 7-21-41 ~~Peck's Fuel~~ Survey for Peck's Fuel Co (found in 600 address info.

5-8-45 Consolidated Dairy Prod.

5-22-45 - Incinerator for Con. Dairy Prod.

7-5-45 Compressor Enclosure - Con. Dairy Prod

11-5-50 Alt. Stor. & warehouse Bldg

3-31-93 Install fuel storage tank for boiler in basement of dairy bldg
550 gal - listed as above ground

CDM

CLIENT _____ JOB NO. _____ COMPUTED BY _____
PROJECT _____ DATE CHECKED _____ DATE _____
DETAIL _____ CHECKED BY _____ PAGE NO. _____

635 Elliot Ave W cont

5-10-01 - Proposed awnings

5-2-99 Demolish warehouse

9-19-95 Dorigold stairs & railings

5-25-94 1st Floor alterations

9-14-94 - Fire plan approval

2-8-93 "

12-31-92 Inst. 2 split heat pumps & duct work

7-3-91 temporary office trailer

11-19-90 Inst. fume hood in lab

4-12-90 HVAC alterations, partial 1st floor plan

5-7-90 AC-1 Installation

9-29-82 Alter HVAC change use from storage to office space

1-9-64 Con. Dairy - Add 3rd Floor.

11-13-57 - Add 2nd floor - Con. Dairy Prod

7-11-57 New warehouse & additions - Con. Dairy

6-17-57 - Evap milk storage room

7-18-55 roof addition

4-23-52 storage cover

711 Elliot Ave W 4-21-52 alterations - ~~Splendid~~ Splendid Restaurant

Consol. Dairy - new warehouse

1-5-48 - new warehouse

10-8-46 - dairy bldg

CDM

CLIENT _____ JOB NO. _____ COMPUTED BY _____

PROJECT _____ DATE CHECKED _____ DATE _____

DETAIL _____ CHECKED BY _____ PAGE NO. _____

12-18-44 Con. Dairy Prod - warehouse

10-29-57 sprinkler system

10-29-57 new warehouse & addn's

Permits Sound Elev. 921 Elliot Ave W
elec permits

911-919 - const storage bldgs

921 - inst signs

901 Elliot Ave W
- sign/awning permit

635 ~~935~~ Elliot Ave W - hood/HVAC bldg insp. reports, demolish warehouse
conversion to automatic boiler - no fuel tank info
elec permits, awning permits, mobile trailer
refrigeration permits
inspection reports

No microfilm found for 700 addresses

Survey for Peed's Fuel Co found in 600 address info
address is 711

No permit info for UST's found in records

SURVEY FOR PECK'S FUEL CO.

12, and the North 20 feet of vacated Street, Block 31, Supplemental of S. Kinnear's Add. to the City of Seattle, Vol. 2 of Plats, page 62, of King County, Washington; Together with Lot 4 and the North ½ of Lot 3, Block 151, Seattle Tide Lands.

1941 Scale, 1 inch = 8 feet

Morford and Henry,
Reg. Engrs. and Land Surveyors
By [illegible]

W. Roy

[illegible] on E. curb of W. Mercer Place,
W. S.E. Cor. of Elliott Ave. W. and
Roy St. Bk. 123

as referred to City Datum.

Add'n No. 7013
Bk. 30, Pg. 46
Folder 554 W

177.12

84.15

92.97

Property Line

No. 2 Bk 419

Lot 4
Lot 5

Lot 4
Vacated Street

Property Line

86.35

92.56

179.51

SURVEY FOR PECK'S FUEL CO.

of Lot 12, and the North 20 feet of vacated Street, Block 31, Supplemental Plat of C. Kinnear's Add. to the City of Seattle, Vol. 2 of Plats, page 65, records of King County, Washington. Together with Lot 4 and the North 20 feet of Lot 3, Block 1ST, Seattle Tide Lands.

June 28, 1941 Scale, 1 inch = 8 feet

Morford and Henry,
Reg. Engrs. and Land Surveyors
By _____

B.M.- Cross on E. curb of W. Mercer Place, near S.E. Cor. of Elliott Ave. W. and W Roy St. El. 103

Elevations referred to City Datum.

W. ROY ST. (Vacated)

177.12

84.15

92.97

Property Line

RAILROAD AVE.

R. W. RIGHT OF WAY

Lot 4
Lot 5

Lot 12
VACATED STREET

Property Line

86.35

179.51

92.56

SEWER CARDS

SUPPL. PLAT OF G. KINNEARS ADD.

ELLIOTT AVE. (West)

4003

7 6 5 4 29 3 2 1 18 17 25 16 15 14

W. Mercer Pl.

8' P.

21' P.

18' P.

Wall St Vacated

921 901 31

1 2 3 4 5 6

12 13 150 14 15 16 17 18

W. Roy St.

717 713

9 10 11 12

151

1 2 3 4

Roy St.

Wild Rose 847-3 74833

BK 28-LLD 3280-P 20-21

ALASKAN WAY W.

SEATTLE TIDE LANDS

City of Seattle 4003-B 11/28/01

The City of Seattle
ENGINEER'S DEPARTMENT

HOUSE NUMBER	PERMIT AND PLAT NUMBER	DATE ISSUED	APPROVED	OWNER	CONTRACTOR	INSPECTOR	DATE INSPECTION	REMARKS
808	A 6795	3-29-21	A.G.F.	Andrew Lofhist	C. Hedengren	Parker	9-22-21	
717	A-8109	10-13-21	A.B.	L.B. Peck	J. Ruthe	"	10-17-21.	
808	A-9109	3-29-22	"	Minnear Estate	Owner	J. A. Holl	4-1-22	
301	B1019	6-26-25	"	Anna Schwartz	J. Ruthe			
713	B12891	2-19-26	H.W.M	L. B. Peck	A. Larson	Parker	2-23-26	
911	B-15835	10-9-26	"	Commercial Lbr Co	J. Manninen	"	10-30-26	
921	B-18320	4-29-27	C.E.H.	Elliott Apt Co. Bldg Co.	M. Patricelli	Cameron	5-5-27	
920	E-4054	5-14-41	"	C. K. Brouch	G. Colegrossi	B L Owen	5-20-41	
669	E-4704	8-19-41	I.J.S.	Peck Fuel Co.	J.M. Shubert	P. Tourtellot	8-21-41	
301	E-8751	10-21-43	C.E.H.	Amer. Preserving Co	John Patricelli	NO INSPECTION		
919 (2nd W Roy)	F-1022	4-12-44	"	Jim Dugan	Tony Coppetto	P. Tourtellot	5-9-45	
901	F.1920	8-29-45	E.J.	J.D. Schwartz	J. Patricelli	"	8-31-45	
945	H-4087	9-2-53	Lumwich	Gladding McBean Co.	John Patricelli	D. More	1-11-54	see also card 4004
912-14	H-5576	5-7-54	"	Fed. Old Line Ins.	Weaver Const. Co	L. Mulligan	5-20-54	Treas. Rec. No. 23551 Fee 10.00 Drainage only
713	J-1770	8-1-56	L. White	Consolidated Dairy Products	Thorburn & Logozo	SHATTUCK	8-21-56	Treas. Rec. No. 42227 Fee 20.00 2.C.B.
669	M-7435	9-30-65	"	" " "	Owner			NC to Cap sewer only
901	R-4798	5-30-79	BLAKE	WASH. NAT. GAS CO.	MID-MOUNTAIN	Benedetto	6-1-79	25.00 REPAIR

W.J.M.

R.L.B.

N.J.M.

R.L.N.

SUPPL. PLAT OF G. KINNEAR'S ADD.

ELLIOTT AVE

4002

8° P. W Mercer Pl.

24

660

658

630

614

612

15' P

12' P

Roy St.

vacated

635

635

32

151

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

5 6 7 8 9 10 11 12 13 14 15 16 17

Blk 28 - LID 3230 - P22-23.

SEATTLE TIDE LANDS.

NOV 4 1926

City of Seattle 4002-B 11/28/01

The City of Seattle
ENGINEER'S DEPARTMENT

HOUSE NUMBER	PERMIT AND PLAT NUMBER	DATE ISSUED	APPROVED	OWNER	CONTRACTOR	INSPECTOR	DATE INSPECTION	REMARKS
624	A-9169	4-5-22	A.B.	W.J. Keys	A.V. Bottamy	Sewer Plat Missing		
645	A-9180	4-6-22	"	Fred Hagstrom	Joe Hassen	Parker	4-8-22	
624	A-9195	4-8-22	"	W.J. Keys	Owner	"		Inside
665	A-9196	4-10-22	"	C.P. Rundrup	J.L. Ryan	"	10-5-22	"
624	A-9199	"	"	W.J. Keys	" "	Clark	4-29-22.	
661	A-9459	5-12-22	"	McEachren	Owner	Parker	10-5-22	
618	A-9552	5-26-22	"	W.L. Brown	Tony Coppetto	Parker	5-27-22	Outside
630	A-9553	"	"	Constance Orr	" "	"	6-5-22	"
661	B-10479	7-23-25	"	Humane Society	F.E. Pautman	"	12-13-25	
611	C-2025	4-20-28	H.W.M.	Mathony & Bacon	Fred Carlson	Meenach	4-20-28	
						Meenach	7-20-28	inside
665	C-2904	7-17-28	H.D.L.	R.G. Van Stone	V. Ramaglia	Hutchison	7-24-28	street
631	C-7016	7-19-29	R.J.C.	Consolidated Dairies Co.	E.B. Erickson	Covey	7-22-29	
662	C-7467	9-10-29	R.J.C.	E.D. McGinitie	Owner	Covey	9-16-29	Temporary connection - easm't waived & temp. cover.
631	D-2526	9-4-31	C.E.H.	Consolidated Dairy	M. Patricelli	Tourtellot	9-23-31	outside
658	F-173	3-15-44	"	L.G. Mossolt	G. Colagrossi	"	9-26-44	
612	F-1048	4-18-45	"	Taylor Brake Service Co	F. Mazzofetto	"	5-7-45	
624	F-1455	6-20-45	E.J.	Gerold Craig	Bishop Const Co	No inspec		Sump
616	F-1848	8-20-45	C.E.H.	"	V. Gesner	P. Tourtellot	8-30-45	st. only
634	F-2948	2-26-46	E.J.	C.A. Anderson	Earl J. Williams	" "	3-12-46	
635	F-8028	2-24-48	"	Consolidated Dairy Prod.	W.E. Beggs	" "	2-25-48	
614	H-4539	11-13-53	Lukevich	G.P. Craig	owner	D. More	11-23-53	Easmt. #440439 Treas. Rec. No 98557 Fee $2.50
635	H-6095	11-18-57	Keates	Consol. Dairy Products	industrial	Brose	1-8-58	" 77292 14³⁰ Inst. 2 c.b.
611	M-5740	2-18-65	Wilhow	King County Humane Society	Service Const. (Meridian Pavers)	Walin	2-24-65	NC to cap SS only
614	M-5757	2-23-65	"	" " "	owner	Walin	2-24-65	$10.00 for 1 ins S.C. only
630	M-7646	11-8-65	White	John Mikel	Deeny	Walin	11-21-65	$20.00 25 lin ft WO # 21166 cut repair WO # 21167 overtime Heider
635	M-7936	4-3-66	"	Coast Dairy	Erickson Sewer Service	Walin	1-3-66	$20.00 25 lin ft
660	P-1260	3-10-72	Wilhow	Jim Warner	Mid-Mountain	Walin	3-16-72	$30.00 .75 lins. incl 1 C.B.
630	P-5964	6-10-74	Wilhow	Sam Hale Lumber	Able	D. Blake	6-12-74	$40.00
					Co. Owner	MS Gifford		
630	R-5724	11-13-79	MERRITT	JOHN MICHAEL	Curran Const. Co.	R. Benedetto	12-5-79	#209.20 Blok. Addn. - Center Sag Conn + 4 CB's
630	R-9913	3-8-83	McGIFFORD	GULL OIL	Bob Akin	Anderson	3-11-83	1 CB - CONTROL MH
630	S-215	6-8-83	Anderson	Gull Oil		C. Fugate	6-8-83	additional connection $104.00
636	S-1767	7-6-84	ANDERSON	DARIGOLD	MODERN SEWER	C. FUGATE	7-9-84	25.00 REPAIR
635	S5584	12-15-86	Scott	Darigold Inc.	~~Scott~~ Rescue Industr	I. Curl	12-16-86	$53.00 Repair

W J M
J.Y.T.
C.J.M.
J.L.B.

B Appendix B

Appendix B
EDR Report



EDR® Environmental
Data Resources Inc

The EDR Radius Map
with GeoCheck®

Leather Care
901/921 Elliott Avenue West
Seattle, WA 98119

Inquiry Number: 1561125.2s

November 23, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	A-13

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the minimum government records search requirements of EPA's Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 (AAI) and the ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Search distances are per AAI and ASTM standards or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

901/921 ELLIOTT AVENUE WEST
SEATTLE, WA 98119

COORDINATES

Latitude (North):	47.627400 - 47° 37' 38.6"
Longitude (West):	122.369700 - 122° 22' 10.9"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	547356.5
UTM Y (Meters):	5274862.5
Elevation:	26 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	47122-F3 SEATTLE NORTH, WA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LEATHERCARE INCORPORATED 901 ELLIOTT AVE W SEATTLE, WA 98119	RCRA-SQG CSCSL FINDS DRYCLEANERS	WAD980983621

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available "reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
Delisted NPL ..... National Priority List Deletions

EXECUTIVE SUMMARY

NPL Liens	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE OR LOCAL RECORDS

HSL	Hazardous Sites List
AST	Aboveground Storage Tank Locations
SPILLS	Reported Spills
INST CONTROL	Institutional Control Site List
CDL	Clandestine Drug Lab Contaminated Site List
EMI	Washington Emissions Data System

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL RECORDS

RCRAInfo:RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facili

A review of the RCRA-LQG list, as provided by EDR, and dated 08/11/2005 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
IMMUNEX CORPORATION	1201 AMGEN CT W	0 - 1/8 W	D8	10

RCRAInfo:RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facil

A review of the RCRA-SQG list, as provided by EDR, and dated 08/11/2005 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
QUEEN CITY INDUSTRIES	*945 ELLIOT AVE W*	*0 - 1/8 N*	*A2*	*7*
KINNEAR APARTMENTS	*905 OLYMPIC WAY W*	*1/8 - 1/4 NE*	*12*	*13*
WESTFARM FOODS	635 ELLIOTT AVE W	1/8 - 1/4 SE	G21	21

Lower Elevation	Address	Dist / Dir	Map ID	Page
GM CONSOLIDATED INVESTMENTS IN	*934 ELLIOTT AVE W*	*0 - 1/8 WSW*	*3*	*8*
ELLIOTT DRUM	*1038 ELLIOTT AVE W*	*0 - 1/8 NW*	*B5*	*9*
ACE TANK & EQUIPMENT 1143 ELLI	*1143 ELLIOTT AVE W*	*1/8 - 1/4 NW*	*C11*	*13*
LOUIS DREYFUSS CORP	*955 ALASKAN WAY W PIER*	*1/8 - 1/4 NW*	*F15*	*14*
SEATTLE PORT TERMINAL 88	*955 ALASKAN WAY W PIER*	*1/8 - 1/4 NW*	*F16*	*15*

STATE OR LOCAL RECORDS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state

funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, has revealed that there are 20 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DARIGOLD ELLIOTT AVENUE	***635 ELLIOTT AVE W***	***1/4 - 1/2 SE***	***H23***	***22***
401 ELLIOTT BUILDING SITE	401 ELLIOTT AVE W	1/4 - 1/2 SE	L36	30
SAMIS COMPANY PROPERTY	1523 1535 1541 15TH AVE	1/4 - 1/2 NNW	39	33
NEORX CORP SEATTLE	***410 W HARRISON***	***1/2 - 1 SE***	***41***	***35***
COLEMAN CREOSOTING WORKS	333 ELLIOTT AVE W	1/2 - 1 SE	43	40
MONTEREY APARTMENTS SITE	***622 1ST AVE W & QUEEN A***	***1/2 - 1 ESE***	***44***	***41***
UNOCAL SS NO 0255 FORMER	700 QUEEN ANNE AVE N	1/2 - 1 E	45	43
MANHATTAN EXPRESS	***631 QUEEN ANNE AVE N***	***1/2 - 1 ESE***	***46***	***45***
QUEEN ANNE PROPERTIES MERCER S	541 QUEEN ANNE AVE N	1/2 - 1 ESE	N47	46
AUCOTT TRUST PROPERTY	526-530 QUEEN ANNE AVE	1/2 - 1 ESE	N48	47
UPTOWN BAKERY FORMER	519-521 QUEEN ANNE AVE	1/2 - 1 ESE	N49	48
BAY VIEW BLDG	129 1ST AVE W	1/2 - 1 SE	50	50
UNOCAL ELLIOTT AVE N OF BAY ST	3131 ELLIOTT AVE	1/2 - 1 SE	51	51
UNOCAL SS NO 0355	***159 DENNY WAY***	***1/2 - 1 SE***	***52***	***52***
INTERBAY OLD LANDFILL	W WHEELER ST / 15TH A	1/2 - 1 NNW	53	54
UNOCAL SEATTLE MARKET ELLIOTT	ELLIOTT AV BN BAY / B	1/2 - 1 SE	O55	57
UNOCAL SEATTLE MARKET LOWER	BN ELLIOTT RR BAY / B	1/2 - 1 SE	O56	58
UNOCAL SEATTLE MARKET UPLAND	BN WESTERN AV / ELLIO	1/2 - 1 SE	57	60

Lower Elevation	Address	Dist / Dir	Map ID	Page
JOSEPH SMITH ESTATE	1641-1801 15TH AVE W	1/2 - 1 NW	42	38
UNOCAL MYRTLE EDWARDS PARK	3130 ALASKAN WAY W	1/2 - 1 SE	54	56

CSCSL NFA: The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 07/05/2005 has revealed that there are 4 CSCSL NFA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BLACKSTOCK LUMBER	601 ELLIOTT AVE W	1/4 - 1/2 SE	H25	25
UEKI CORP	600-614 ELLIOTT AVE W	1/4 - 1/2 SE	I27	26

Lower Elevation	Address	Dist / Dir	Map ID	Page
SEATTLE LIGHTING STA	1177 ELLIOTT AVE W	1/8 - 1/4 NW	E14	14
ADAMS NEWS CO., INC.	***1555 W GALOR ST***	***1/4 - 1/2 NW***	***K31***	***27***

EXECUTIVE SUMMARY

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Ecology's Solid Waste Facilities Handbook.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
FISHERMAN'S TERMINAL - MRW	3919 18TH AVENUE W	1/8 - 1/4 WNW	F17	15

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 07/05/2005 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TOOL TOWN	*652 ELLIOTT AVE W*	*1/8 - 1/4 SE*	*G19*	*17*
DARIGOLD INC	*635 ELLIOTT AVE W*	*1/8 - 1/4 SE*	*G20*	*18*
SHELL OIL PRODUCTS	*630 ELLIOTT AVE W*	*1/4 - 1/2 SE*	*H22*	*21*
ODEN INVESTMENT CONDOS	619 5TH AVE W	1/4 - 1/2 ESE	J29	26

Lower Elevation	Address	Dist / Dir	Map ID	Page
THE HOME OIL CO. CORPORATION	*1110 ELLIOTT AVE W*	*0 - 1/8 NW*	*C7*	*9*
PIER 88	*GALER ST & N ALASKAN WA*	*1/8 - 1/4 WNW*	*18*	*15*

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 07/11/2005 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TOOL TOWN	*652 ELLIOTT AVE W*	*1/8 - 1/4 SE*	*G19*	*17*
DARIGOLD INC	*635 ELLIOTT AVE W*	*1/8 - 1/4 SE*	*G20*	*18*

Lower Elevation	Address	Dist / Dir	Map ID	Page
WILSON MACHINE WORKS INC	1038 ELLIOTT AVE W	0 - 1/8 NW	B4	8
PACIFIC COAST HEMPHILL OIL	1039 ELLIOTT AVE W	0 - 1/8 NW	B6	9
THE HOME OIL CO. CORPORATION	*1110 ELLIOTT AVE W*	*0 - 1/8 NW*	*C7*	*9*
IMMUNEX CORPORATION	1201 AMGEM CT W	0 - 1/8 W	D9	11
ACE TANK & EQUIPMENT CO.	1143 ELLIOTT AVE W BOX	1/8 - 1/4 NW	C10	12
PIER 88	*GALER ST & N ALASKAN WA*	*1/8 - 1/4 WNW*	*18*	*15*

EXECUTIVE SUMMARY

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, has revealed that there are 10 ICR sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TOOL TOWN	*652 ELLIOTT AVE W*	*1/8 - 1/4 SE*	*G19*	*17*
DARIGOLD INC	*635 ELLIOTT AVE W*	*1/8 - 1/4 SE*	*G20*	*18*
UEKI CORP	*614 ELLIOTT AVE W*	*1/4 - 1/2 SE*	*H24*	*24*
TEXACO #63076 0400	630 ELLIOTT AVE. W.	1/4 - 1/2 SE	H26	25
CITY OF SEATTLE - METRO BUS BA	W. MERCER ST. / 5TH A	1/4 - 1/2 ESE	J30	27
HENRY BACON BUILDING	401 ELLIOTT AVE. W.	1/4 - 1/2 SE	L35	30
REPUBLICAN APARTMENT PROJECT	323 W. REPUBLICAN	1/4 - 1/2 SE	40	35

Lower Elevation	Address	Dist / Dir	Map ID	Page
ADAMS NEWS COMPANY	1555 W. GALER ST.	1/4 - 1/2 NW	K32	28
ELLIOTT INDUSTRIAL PARK	1523-1541 15TH AVE. W.	1/4 - 1/2 NW	M37	32
SAMMIS COMPANY (FOUR REPORTS)	1523-1545 15TH AVE. W.	1/4 - 1/2 NW	M38	32

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 07/05/2005 has revealed that there are 4 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DARIGOLD ELLIOTT AVENUE	*635 ELLIOTT AVE W*	*1/4 - 1/2 SE*	*H23*	*22*
UEKI CORP	*600-614 ELLIOTT AVE W*	*1/4 - 1/2 SE*	*I28*	*26*
401 ELLIOTT BUILDING SITE	*401 ELLIOTT AVE W*	*1/4 - 1/2 SE*	*L34*	*29*

Lower Elevation	Address	Dist / Dir	Map ID	Page
ADAMS NEWS CO INC	*1555 W GALER ST*	*1/4 - 1/2 NW*	*K33*	*29*

PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites:

The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there is 1 Coal Gas site within approximately 1 mile of the target property.

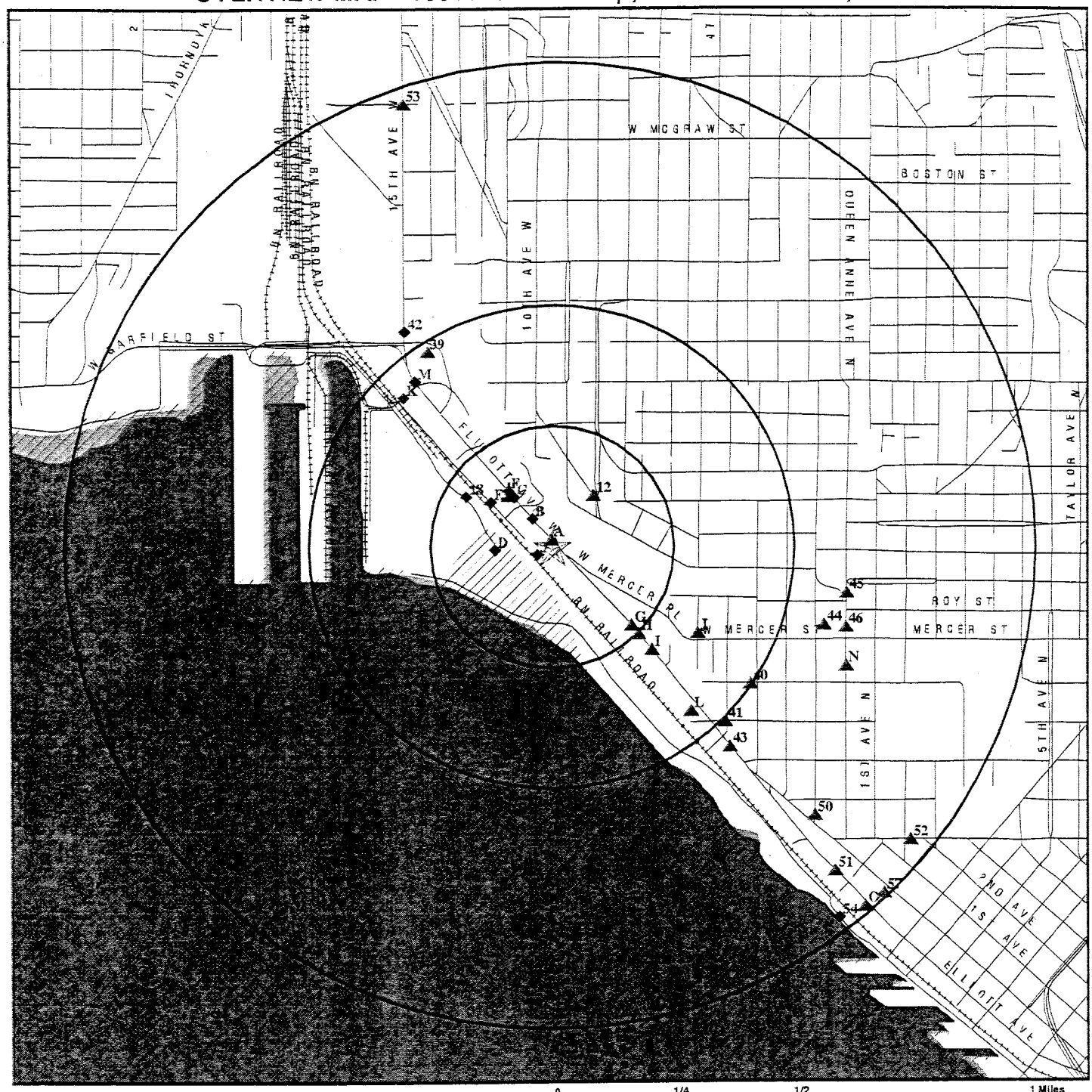
Lower Elevation	Address	Dist / Dir	Map ID	Page
SEATTLE LIGHTING CO.	1143 ELLIOTT AV. N.W.	1/8 - 1/4 NW	E13	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SEATTLE CITY DOT SHIP CANAL TRAIL	CSCSL
UNOCAL SEATTLE MARKETING TERM	CSCSL
SEATTLE MONORAIL PROJECT	CSCSL, VCP
US ARMY CENTER FORT LAWTON	CSCSL, VCP
COTTAGE PROPERTIES	CSCSL
WESTLAKE BUILDING	CSCSL, FINDS, VCP
INTERBAY	SWF/LF
BLACKSTOCK LUMBER	ICR
BLACKSTOCK LUMBER (TWO REPORTS)	ICR
SR 99 & FIRST AVE. BRIDGE SPILL/WS	ICR

OVERVIEW MAP - 1561125.2s - Camp, Dresser & McKee, Inc.

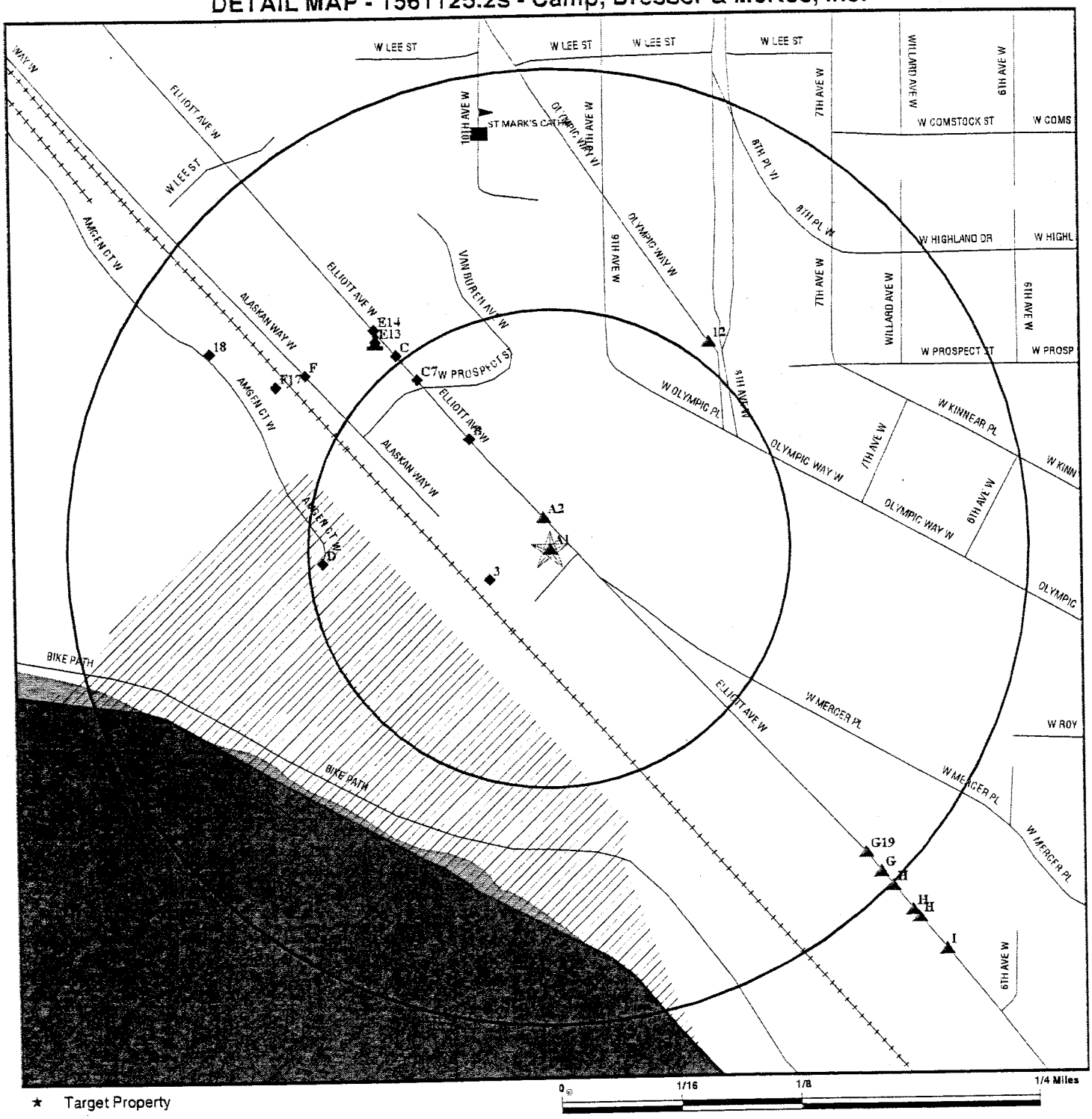


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands

TARGET PROPERTY:	Leather Care	CUSTOMER:	Camp, Dresser & McKee, Inc.
ADDRESS:	901/921 Elliott Avenue West	CONTACT:	Pam Morrill
CITY/STATE/ZIP:	Seattle WA 98119	INQUIRY #:	1561125.2s
LAT/LONG:	47.6274 / 122.3697	DATE:	November 23, 2005 7:45 am

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DETAIL MAP - 1561125.2s - Camp, Dresser & McKee, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands

TARGET PROPERTY:	Leather Care	CUSTOMER:	Camp, Dresser & McKee, Inc.
ADDRESS:	901/921 Elliott Avenue West	CONTACT:	Pam Morrill
CITY/STATE/ZIP:	Seattle WA 98119	INQUIRY #:	1561125.2s
LAT/LONG:	47.6274 / 122.3697	DATE:	November 23, 2005 7:45:am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
RCRA Sm. Quan. Gen.	X	0.250	3	5	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL RECORDS								
CSCSL	X	1.000	0	0	3	17	NR	20
HSL		1.000	0	0	0	0	NR	0
CSCSL NFA		0.500	0	1	3	NR	NR	4
State Landfill		0.500	0	1	0	NR	NR	1
LUST		0.500	1	3	2	NR	NR	6
UST		0.250	4	4	NR	NR	NR	8
AST		0.250	0	0	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
ICR		0.500	0	2	8	NR	NR	10
VCP		0.500	0	0	4	NR	NR	4
DRYCLEANERS	X	0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
WA Emissions		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
COAL GAS		1.000	0	1	0	0	NR	1

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property — LEATHERCARE INCORPORATED
901 ELLIOTT AVE W
SEATTLE, WA 98119

Database(s): RCRA-SQG, CSCSL, FINDS, DRYCLEANERS
EDR ID Number: 1004613983
EPA ID Number: WAD980983621

Site 1 of 2 in cluster A

Actual: 28 ft.

RCRAInfo:
Owner: LEATHER CARE INC
(206)285-2225
EPA ID: WAD980983621
Contact: Not reported
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL EMISSIONS INVENTORY
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:
Facility ID: 35254363
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	99
Lat/Long :	47° 37′ 38″ / 122° 22′ 8″

LEATHERCARE INCORPORATED (Continued) **1004613983**

Facility ID: 35254363
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	99
Lat/Long :	47° 37′ 38″ / 122° 22′ 8″

Drycleaners:
Facility ID : WAD980983621
Facility Addr 2 : Not reported
FS ID : 4210
NAICS Code : 81232

A2
North
< 1/8
89 ft.

Relative:
Higher

Actual:
31 ft.

QUEEN CITY INDUSTRIES **RCRA-SQG 1000206406**
945 ELLIOT AVE W **FINDS WAD009483819**
SEATTLE, WA 98119

Site 2 of 2 in cluster A

QUEEN CITY INDUSTRIES (Continued) 1000206406

RCRAInfo:
Owner: QUEEN CITY INDUSTRIES
EPA ID: WAD009483819

Contact: HARVEY GIFFORD
(206) 284-6222

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

3
WSW
< 1/8
185 ft.

Relative:
Lower

Actual:
19 ft.

GM CONSOLIDATED INVESTMENTS INC RCRA-SQG 1001092026
934 ELLIOTT AVE W FINDS WAR000006726
SEATTLE, WA 98026

RCRAInfo:
Owner: GM CONSOLIDATED INVESTMENTS INC
EPA ID: WAR000006726

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

B4
NW
< 1/8
375 ft.

Relative:
Lower

Actual:
22 ft.

WILSON MACHINE WORKS INC UST U000802183
1038 ELLIOTT AVE W N/A
SEATTLE, WA 98119

Site 1 of 3 in cluster B

UST:
Facility ID: 10727
Site ID: 46152855
Install Date: 12/31/64
Capacity: 111 to 1,100 Gallons
Status: Closed in Place
Tank Name: 1
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

B5
NW
< 1/8
375 ft.

Relative:
Lower

Actual:
22 ft.

ELLIOTT DRUM
1038 ELLIOTT AVE W
SEATTLE, WA 98119

RCRA-SQG **1000199641**
FINDS **WAD981770340**

Site 2 of 3 in cluster B

RCRAInfo:
Owner: WA ECY
EPA ID: WAD981770340
Contact: LORI LEVANDER
(360) 867-7000
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

B6
NW
< 1/8
375 ft.

Relative:
Lower

Actual:
22 ft.

PACIFIC COAST HEMPHILL OIL
1039 ELLIOTT AVE W
SEATTLE, WA 98119

UST **U001777713**
N/A

Site 3 of 3 in cluster B

UST:
- Facility ID: 3007
Site ID: 66726636
Install Date: 01/01/56
Capacity: Not reported
Status: Removed
Tank Name: 2R
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3007
Site ID: 66726636
Install Date: 01/01/56
Capacity: Not reported
Status: Removed
Tank Name: 1U
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

C7
NW
< 1/8
591 ft.

Relative:
Lower

Actual:
22 ft.

THE HOME OIL CO. CORPORATION
1110 ELLIOTT AVE W
SEATTLE, WA 98119

LUST **U003029258**
UST **N/A**

Site 1 of 3 in cluster C

LUST:
Facility ID: 990
Ecology Region: NWRO
Facility Status: Cleanup Started
Release ID: 1404

THE HOME OIL CO. CORPORATION (Continued) U003029258

Release Notification Date: 6/22/1989 0:00
Release Status Date: 6/16/1989 0:00
Alternate Name: HOME OIL FUELING DEPOT
Lat/Lon: 47.6286 / 122.372249
Affected Media: Soil
FS ID: 67563282

Facility ID: 990
Ecology Region: NWRO
Facility Status: Reported Cleaned Up
Release ID: 1404
Release Notification Date: 6/22/1989 0:00
Release Status Date: 4/3/2000 0:00
Alternate Name: HOME OIL FUELING DEPOT
Lat/Lon: 47.6286 / 122.372249
Affected Media: Soil
FS ID: 67563282

UST:
Facility ID: 990
Site ID: 67563282
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 1
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 990
Site ID: 67563282
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 2
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

D8
West
< 1/8
622 ft.

IMMUNEX CORPORATION RCRA-LQG 1007265753
1201 AMGEN CT W WAH000023036
SEATTLE, WA 98119

Site 1 of 2 in cluster D

Relative:
Lower

Actual:
18 ft.

RCRAInfo:
Owner: IMMUNEX CORPORATION
(206)587-0430
EPA ID: WAH000023036

Contact: JEFF PALMER
(206)265-7091

Classification: Large Quantity Generator
TSDF Activities: Not reported

IMMUNEX CORPORATION (Continued) **1007265753**

Violation Status: Violations exist

Regulation Violated:	-200(1)(b) / -630(7)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/15/2004
Actual Date Achieved Compliance:	08/27/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/28/2004
Penalty Type:	Not reported
Regulation Violated:	-060(2)
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	06/15/2004
Actual Date Achieved Compliance:	07/12/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/28/2004
Penalty Type:	Not reported
Regulation Violated:	-200(2)(b,c) / -630(6)
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	06/15/2004
Actual Date Achieved Compliance:	07/26/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/28/2004
Penalty Type:	Not reported

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20040827
	GENERATOR-RECORDKEEPING REQUIREMENTS	20040712
	GENERATOR-RECORDKEEPING REQUIREMENTS	20040726

D9
West
< 1/8
622 ft.

Relative:
Lower

Actual:
18 ft.

IMMUNEX CORPORATION **UST** **U003997107**
1201 AMGEM CT W **N/A**
SEATTLE, WA 98119

Site 2 of 2 in cluster D

UST:

Facility ID:	618898
Site ID:	7378581
Install Date:	11/30/01
Capacity:	Not reported
Status:	Operational
Tank Name:	HEFOST561101
Substance:	Not reported
Compartment #:	1
Ecology Region:	Not reported

IMMUNEX CORPORATION (Continued) U003997107

Facility ID: 618898
Site ID: 7378581
Install Date: 11/30/01
Capacity: Not reported
Status: Operational
Tank Name: HEFOST561102
Substance: Not reported
Compartment #: 1
Ecology Region: Not reported

Facility ID: 618898
Site ID: 7378581
Install Date: 11/30/01
Capacity: Not reported
Status: Operational
Tank Name: HEFOST561103
Substance: Not reported
Compartment #: 1
Ecology Region: Not reported

C10 ACE TANK & EQUIPMENT CO. UST U003026083
NW 1143 ELLIOTT AVE W BOX 9039 N/A
1/8-1/4 SEATTLE, WA 98119
679 ft.

Site 2 of 3 in cluster C

Relative:
Lower

Actual:
22 ft.

- UST:

Facility ID: 1715
Site ID: 19357676
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 4
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 1715
Site ID: 19357676
Install Date: 12/31/64
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 1
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 1715
Site ID: 19357676
Install Date: 12/31/64
Capacity: Not reported
Status: Closed in Place
Tank Name: 3
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

ACE TANK & EQUIPMENT CO. (Continued) — **U003026083**

Facility ID: 1715
Site ID: 19357676
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 2
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

C11
NW
1/8-1/4
679 ft.

Relative: Lower

Actual: 22 ft.

ACE TANK & EQUIPMENT 1143 ELLIOTT W — **RCRA-SQG 1000455956** / **FINDS WAD988475737**
1143 ELLIOTT AVE W
SEATTLE, WA 98119

Site 3 of 3 in cluster C

RCRAInfo:
Owner: ACE TANK & EQUIPMENT CO
EPA ID: WAD988475737
Contact: STANLEY BURWELL
(206) 281-5000
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

12
NE
1/8-1/4
719 ft.

Relative: Higher

Actual: 246 ft.

KINNEAR APARTMENTS — **RCRA-SQG 1000155005** / **FINDS WAD981766678**
905 OLYMPIC WAY W
SEATTLE, WA 98119

RCRAInfo:
Owner: KINNEAR APARTMENTS
EPA ID: WAD981766678
Contact: EDWARD ESTER
(206) 244-2619
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

E13
NW
1/8-1/4
745 ft.

Relative:
Lower

Actual:
19 ft.

SEATTLE LIGHTING CO.
1143 ELLIOTT AV. N.W.
SEATTLE, WA 98121

Coal Gas — G000001228
N/A

Site 1 of 2 in cluster E

COAL GAS SITE DESCRIPTION:
1905, Seattle Lighting Co. North Gas Plant is located on the southeast side of S. Lee, between Railroad Av. and Elliott Av. N.W. 1917, site called Seattle Lighting Co. Bay Station.

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E14
NW
1/8-1/4
773 ft.

Relative:
Lower

Actual:
21 ft.

SEATTLE LIGHTING STA
1177 ELLIOTT AVE W
SEATTLE, WA 98119

CSCSL NFA — S100475777
N/A

Site 2 of 2 in cluster E

WA NFA:

Facility/Site Id :	2436
Ecology Status :	Awaiting Site Hazard Assesment
Independent Status Code :	Not reported
WARM Bin Number :	Not reported
NFA Code :	NFA after Assesment IRAP or VCP
NFA Date :	02/06/02
Program Plan Code :	Not reported
NFA Desc :	NFA after assessment, IRAP, or VCP

F15
NW
1/8-1/4
822 ft.

Relative:
Lower

Actual:
17 ft.

LOUIS DREYFUSS CORP
955 ALASKAN WAY W PIER 86
SEATTLE, WA 98119

RCRA-SQG — 1000235348
FINDS — WAD980380158

Site 1 of 3 in cluster F

RCRAInfo:

Owner:	CARGILL INC
EPA ID:	WAD980380158
Contact:	MARK BONK (503) 286-0678
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
PERMIT COMPLIANCE SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
F16 NW 1/8-1/4 822 ft. Relative: Lower Actual: 17 ft.	**SEATTLE PORT TERMINAL 88** **955 ALASKAN WAY W PIER 88** **SEATTLE, WA 98119**	RCRA-SQG FINDS	1001806972 WAD988513222

Site 2 of 3 in cluster F

RCRAInfo:

Owner:	SEATTLE PORT (206)728-3201
EPA ID:	WAD988513222
Contact:	DAVID AGGERHOLM (206)728-3190
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

F17 WNW 1/8-1/4 872 ft. Relative: Lower Actual: 18 ft.	**FISHERMAN'S TERMINAL - MRW** **3919 18TH AVENUE W** **SEATTLE, WA 98119**	SWF/LF	S103350792 N/A

Site 3 of 3 in cluster F

LF:

Facility ID:	NKF
Contact:	Elijha Washington
Name Change:	False
Ownership:	Public
Type:	Moderate Risk Waste Fixed Facility
Company:	Port of Seattle
Contact Title:	Not reported
Facility Phone:	(206) 728-3389
Facility Fax:	Not reported
Class Code:	T
Class:	Intermediate
Class Type:	False
Sec/Twn/Rng:	Not reported
Class Comment:	Not reported
Region:	STATE
Status:	Not reported

---

18 WNW 1/8-1/4 1076 ft. Relative: Lower Actual: 17 ft.	**PIER 88** **GALER ST & N ALASKAN WAY** **SEATTLE, WA 98119**	LUST UST	U001128410 N/A

LUST:

Facility ID:	101550
Ecology Region:	NWRO
Facility Status:	Cleanup Started
Release ID:	3123
Release Notification Date:	3/9/1992 0:00
Release Status Date:	3/9/1992 0:00
Alternate Name:	PORT OF SEATTLE PIER 88

PIER 88 (Continued) U001128410

Lat/Lon: 47.63154 / 122.356446
Affected Media: Soil
FS ID: 72358897

Facility ID: 101550
Ecology Region: NWRO
Facility Status: Reported Cleaned Up
Release ID: 3123
Release Notification Date: 3/9/1992 0:00
Release Status Date: 6/1/1995 0:00
Alternate Name: PORT OF SEATTLE PIER 88
Lat/Lon: 47.63154 / 122.356446
Affected Media: Soil
FS ID: 72358897

UST:
Facility ID: 101550
Site ID: 72358897
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 3
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 101550
Site ID: 72358897
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 5
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 101550
Site ID: 72358897
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 1
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 101550
Site ID: 72358897
Install Date: 12/31/64
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 4
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

PIER 88 (Continued) **U001128410**

Facility ID: 101550
Site ID: 72358897
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 6
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 101550
Site ID: 72358897
Install Date: 12/31/64
Capacity: Not reported
Status: Removed
Tank Name: 2
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

G19 **TOOL TOWN** **LUST U003665966**
SE **652 ELLIOTT AVE W** **UST N/A**
1/8-1/4 **SEATTLE, WA 98119** **ICR**
1208 ft.

Site 1 of 3 in cluster G

Relative: Higher

Actual: 39 ft.

LUST:
Facility ID: 512947
Ecology Region: NWRO
Facility Status: Cleanup Started
Release ID: 512989
Release Notification Date: 5/17/1993 0:00
Release Status Date: 4/20/1993 0:00
Alternate Name: TOOL TOWN
Lat/Lon: 47.625848 / 122.368655
Affected Media: Soil
FS ID: 49336173

Facility ID: 512947
Ecology Region: NWRO
Facility Status: Reported Cleaned Up
Release ID: 512989
Release Notification Date: 5/17/1993 0:00
Release Status Date: 5/17/1993 0:00
Alternate Name: TOOL TOWN
Lat/Lon: 47.625848 / 122.368655
Affected Media: Soil
FS ID: 49336173

WA ICR:
Date Ecology Received Report: 05/17/1993
Contaminants Found at Site: Petroleum products
Media Contaminated: Not reported
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 98-18
County Code: 17.00000

TOOL TOWN (Continued) U003665966

Contact: Not reported
Report Title: Not reported

UST:
Facility ID: 512947
Site ID: 49336173
Install Date: 01/02/00
Capacity: 111 TO 1,000 GALLONS
Status: Removed
Tank Name: 2
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 512947
Site ID: 49336173
Install Date: 01/02/00
Capacity: 111 TO 1,000 GALLONS
Status: Removed
Tank Name: 4
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 512947
Site ID: 49336173
Install Date: 01/01/64
Capacity: 111 TO 1,000 GALLONS
Status: Removed
Tank Name: 1
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 512947
Site ID: 49336173
Install Date: 01/02/00
Capacity: 111 TO 1,000 GALLONS
Status: Removed
Tank Name: 3
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

G20
SE
1/8-1/4
1274 ft.

Relative:
Higher

Actual:
37 ft.

DARIGOLD INC
635 ELLIOTT AVE W
SEATTLE, WA 98119

LUST U001125905
UST N/A
ICR

Site 2 of 3 in cluster G

LUST:
Facility ID: 9477
Ecology Region: NWRO
Facility Status: Cleanup Started
Release ID: 2629
Release Notification Date: 7/3/1990 0:00
Release Status Date: 7/3/1990 0:00
Alternate Name: DARIGOLD SEATTLE ELLIOTT
Lat/Lon: 47.62454 / 122.367068

DARIGOLD INC (Continued) **U001125905**

Affected Media:	Soil
FS ID:	21722841
Facility ID:	9477
Ecology Region:	NWRO
Facility Status:	Reported Cleaned Up
Release ID:	2629
Release Notification Date:	7/3/1990 0:00
Release Status Date:	6/1/1995 0:00
Alternate Name:	DARIGOLD SEATTLE ELLIOTT
Lat/Lon:	47.62454 / 122.367068
Affected Media:	Soil
FS ID:	21722841
Facility ID:	9477
Ecology Region:	NWRO
Facility Status:	Awaiting Cleanup
Release ID:	309671
Release Notification Date:	8/22/1995 0:00
Release Status Date:	8/29/1995 0:00
Alternate Name:	DARIGOLD SEATTLE ELLIOTT (1995)
Lat/Lon:	47.62454 / 122.367068
Affected Media:	Ground Water
FS ID:	21722841
Facility ID:	9477
Ecology Region:	NWRO
Facility Status:	Awaiting Cleanup
Release ID:	309671
Release Notification Date:	8/22/1995 0:00
Release Status Date:	8/29/1995 0:00
Alternate Name:	DARIGOLD SEATTLE ELLIOTT (1995)
Lat/Lon:	47.62454 / 122.367068
Affected Media:	Soil
FS ID:	21722841
Facility ID:	9477
Ecology Region:	NWRO
Facility Status:	Cleanup Started
Release ID:	309671
Release Notification Date:	8/22/1995 0:00
Release Status Date:	8/24/1998 0:00
Alternate Name:	DARIGOLD SEATTLE ELLIOTT (1995)
Lat/Lon:	47.62454 / 122.367068
Affected Media:	Ground Water
FS ID:	21722841
Facility ID:	9477
Ecology Region:	NWRO
Facility Status:	Cleanup Started
Release ID:	309671
Release Notification Date:	8/22/1995 0:00
Release Status Date:	8/24/1998 0:00
Alternate Name:	DARIGOLD SEATTLE ELLIOTT (1995)
Lat/Lon:	47.62454 / 122.367068
Affected Media:	Soil
FS ID:	21722841

DARIGOLD INC (Continued) U001125905

WA ICR:

Date Ecology Received Report:	09/14/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-15
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	02/26/1991
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	91-26
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	12/20/1991
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	91-20
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

UST:

Facility ID:	9477
Site ID:	21722841
Install Date:	12/31/64
Capacity:	2,001 TO 4,999 GALLONS
Status:	Removed
Tank Name:	2 REG
Substance:	LEADED GASOLINE
Compartment #:	1
Ecology Region:	North Western

Facility ID:	9477
Site ID:	21722841
Install Date:	12/31/64
Capacity:	Not reported
Status:	Closed in Place
Tank Name:	1 SOUTH
Substance:	UNLEADED GASOLINE
Compartment #:	1
Ecology Region:	North Western

DARIGOLD INC (Continued) **U001125905**

Facility ID: 9477
Site ID: 21722841
Install Date: 12/31/64
Capacity: Not reported
Status: Closed in Place
Tank Name: 1 NORTH
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

G21 **WESTFARM FOODS** **RCRA-SQG** **1007265555**
SE **635 ELLIOTT AVE W** **WAH000021328**
1/8-1/4 **SEATTLE, WA 98119**
1274 ft.

Site 3 of 3 in cluster G

Relative: Higher

Actual: 37 ft.

RCRAInfo:
Owner: DARIGOLD INC DBAWESTFARM FOODS
(206)284-7220
EPA ID: WAH000021328
Contact: JOSEPH MULLER
(206)286-6772
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

H22 **SHELL OIL PRODUCTS** **LUST** **U003028258**
SE **630 ELLIOTT AVE W** **UST** **N/A**
1/4-1/2 **SEATTLE, WA 98119**
1326 ft.

Site 1 of 5 in cluster H

Relative: Higher

Actual: 37 ft.

LUST:
Facility ID: 7735
Ecology Region: NWRO
Facility Status: Awaiting Cleanup
Release ID: 309307
Release Notification Date: 6/14/1995 0:00
Release Status Date: 8/15/1995 0:00
Alternate Name: TEXACO 63 076 0400
Lat/Lon: 47.62472 / 122.36581
Affected Media: Ground Water
FS ID: 22356455

UST:
Facility ID: 7735
Site ID: 22356455
Install Date: 01/01/84
Capacity: 10,000 TO 19,999 GALLONS
Status: Operational
Tank Name: 1
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

SHELL OIL PRODUCTS (Continued) U003028258

Facility ID: 7735
Site ID: 22356455
Install Date: 01/01/84
Capacity: 10,000 TO 19,999 GALLONS
Status: Operational
Tank Name: 4
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7735
Site ID: 22356455
Install Date: 01/01/84
Capacity: 10,000 TO 19,999 GALLONS
Status: Operational
Tank Name: 2
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

H23 **DARIGOLD ELLIOTT AVENUE** CSCSL 1007074409
SE **635 ELLIOTT AVE W** FINDS 110015510482
1/4-1/2 **SEATTLE, WA 98119** VCP
1338 ft.

Site 2 of 5 in cluster H

Relative:
Higher

Actual:
36 ft.

- FINDS:
  Other Pertinent Environmental Activity Identified at Site:
  WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:
Facility ID: 21722841
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported

DARIGOLD ELLIOTT AVENUE (Continued) **1007074409**

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Below MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long :	47° 37′ 28″ / 122° 22′ 1″

Facility ID: 21722841
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: B (Below) - The presence of hazardous substances below MTCA cleanup levelshas been confirmed by laboratory analysis (or field determination in the case of petroleum products). The B code may only be applied following completion of analytical work in conjunction with a Site Hazard Assessment(SHA) or Remedial Investigation/Feasibility Study (RI/FS)

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Below MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long :	47° 37′ 28″ / 122° 22′ 1″

VCP:

Facility ID :	21722841
WARM BIN # :	Not reported
Ecology Status :	Independent Remedial Action
NFA Code :	Not reported

Facility ID : 21722841

DARIGOLD ELLIOTT AVENUE (Continued) 1007074409

WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported

H24
SE
1/4-1/2
1412 ft.

UEKI CORP
614 ELLIOTT AVE W
SEATTLE, WA 98119

UST U003311123
ICR N/A

Site 3 of 5 in cluster H

Relative:
Higher

Actual:
34 ft.

WA ICR:

Date Ecology Received Report:	01/07/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	95-16
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	01/07/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	98-03
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

UST:

Facility ID:	443962
Site ID:	51828819
Install Date:	01/02/00
Capacity:	Not reported
Status:	Removed
Tank Name:	4
Substance:	LEADED GASOLINE
Compartment #:	1
Ecology Region:	North Western

Facility ID:	443962
Site ID:	51828819
Install Date:	01/02/00
Capacity:	Not reported
Status:	Removed
Tank Name:	2
Substance:	LEADED GASOLINE
Compartment #:	1
Ecology Region:	North Western

UEKI CORP (Continued) U003311123

Facility ID: 443962
Site ID: 51828819
Install Date: 01/02/00
Capacity: Not reported
Status: Removed
Tank Name: 1
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 443962
Site ID: 51828819
Install Date: 01/01/64
Capacity: Not reported
Status: Removed
Tank Name: 3
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

H25 **BLACKSTOCK LUMBER** CSCSL NFA S104971571
SE **601 ELLIOTT AVE W** N/A
1/4-1/2 **SEATTLE, WA 98119**
1420 ft.

Site 4 of 5 in cluster H

Relative:
Higher

Actual:
33 ft.

WA NFA:

Facility/Site Id :	2540
Ecology Status :	Independent Remedial Action
Independent Status Code :	Final Independant RA Report received
WARM Bin Number :	Not reported
NFA Code :	Restrictive Convenant, Institutional Controls
NFA Date :	09/27/95
Program Plan Code :	3
NFA Desc :	Restrictive Covenant, Institutional Controls

H26 **TEXACO #63076 0400** ICR S104487722
SE **630 ELLIOTT AVE. W.** N/A
1/4-1/2 **SEATTLE, WA 98199**
1438 ft.

Site 5 of 5 in cluster H

Relative:
Higher

Actual:
34 ft.

WA ICR:

Date Ecology Received Report:	06/14/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-05
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

I27
SE
1/4-1/2
1554 ft.

UEKI CORP
600-614 ELLIOTT AVE W
SEATTLE, WA 98119

CSCSL NFA | S104971794
N/A

Site 1 of 2 in cluster I

Relative:
Higher

Actual:
31 ft.

WA NFA:

Facility/Site Id :	51828819
Ecology Status :	Independent Remedial Action
Independent Status Code :	Final Independant RA Report received
WARM Bin Number :	Not reported
NFA Code :	NFA after Assesment IRAP or VCP
NFA Date :	04/14/98
Program Plan Code :	4
NFA Desc :	NFA after assessment, IRAP, or VCP

I28
SE
1/4-1/2
1554 ft.

UEKI CORP
600-614 ELLIOTT AVE W
SEATTLE, WA 98119

FINDS | 1007069472
VCP | 110015460749

Site 2 of 2 in cluster I

Relative:
Higher

Actual:
31 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

VCP:

Facility ID :	51828819
WARM BIN # :	Not reported
Ecology Status :	Independent Remedial Action
NFA Code :	NFA after assessment, IRAP, or VCP

J29
ESE
1/4-1/2
1833 ft.

ODEN INVESTMENT CONDOS
619 5TH AVE W
SEATTLE, WA 98119

LUST | S101509297
N/A

Site 1 of 2 in cluster J

Relative:
Higher

Actual:
123 ft.

LUST:

Facility ID:	200196
Ecology Region:	NWRO
Facility Status:	Cleanup Started
Release ID:	2727
Release Notification Date:	6/16/1989 0:00
Release Status Date:	6/16/1989 0:00
Alternate Name:	ODEN INVESTMENT CONDOS
Lat/Lon:	47.625229 / 122.363238
Affected Media:	Soil
FS ID:	52738943

Facility ID:	200196
Ecology Region:	NWRO
Facility Status:	Reported Cleaned Up
Release ID:	2727
Release Notification Date:	6/16/1989 0:00
Release Status Date:	5/21/1995 0:00
Alternate Name:	ODEN INVESTMENT CONDOS
Lat/Lon:	47.625229 / 122.363238
Affected Media:	Soil
FS ID:	52738943

J30
ESE
1/4-1/2
1876 ft.

Relative:
Higher

Actual:
116 ft.

CITY OF SEATTLE - METRO BUS BARN
W. MERCER ST. / 5TH AVE.
SEATTLE, WA 98119

ICR **S105454328**
N/A

Site 2 of 2 in cluster J

WA ICR:

Date Ecology Received Report:	07/11/1990
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	90-07
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

K31
NW
1/4-1/2
2294 ft.

Relative:
Lower

Actual:
16 ft.

ADAMS NEWS CO., INC.
1555 W GALOR ST
SEATTLE, WA 98119

UST **U003028378**
CSCSL NFA **N/A**

Site 1 of 3 in cluster K

WA NFA:

Facility/Site Id :	96313273
Ecology Status :	Independent Remedial Action
Independent Status Code :	Final Independant RA Report received
WARM Bin Number :	Not reported
NFA Code :	NFA after Assesment IRAP or VCP
NFA Date :	07/07/99
Program Plan Code :	4
NFA Desc :	NFA after assessment, IRAP, or VCP

UST:

Facility ID:	816
Site ID:	96313273
Install Date:	12/31/64
Capacity:	Not reported
Status:	Removed
Tank Name:	2
Substance:	LEADED GASOLINE
Compartment #:	1
Ecology Region:	North Western

Facility ID:	816
Site ID:	96313273
Install Date:	12/31/64
Capacity:	Not reported
Status:	Removed
Tank Name:	1
Substance:	UNLEADED GASOLINE
Compartment #:	1
Ecology Region:	North Western

ADAMS NEWS CO., INC. (Continued) U003028378

Facility ID: 816
Site ID: 96313273
Install Date: 07/10/89
Capacity: 10,000 TO 19,999 GALLONS
Status: Removed
Tank Name: R2
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 816
Site ID: 96313273
Install Date: 07/10/89
Capacity: 5,000 TO 9,999 GALLONS
Status: Removed
Tank Name: R1
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

K32
NW
1/4-1/2
2294 ft.

ADAMS NEWS COMPANY ICR 1001819906
1555 W. GALER ST. N/A
SEATTLE, WA 98119

Site 2 of 3 in cluster K

Relative:
Lower

Actual:
16 ft.

- WA ICR:

Date Ecology Received Report: 06/09/1999
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 98-16
County Code: 17.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/09/1999
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 98-17
County Code: 17.00000
Contact: Not reported
Report Title: Not reported

K33 **ADAMS NEWS CO INC** **RCRA-SQG** **1004794265**
NW **1555 W GALER ST** **FINDS** **WAD988500344**
1/4-1/2 **SEATTLE, WA 98119** **VCP**
2294 ft.

Site 3 of 3 in cluster K

Relative:
Lower

Actual:
16 ft.

RCRAInfo:
Owner: ADAMS NEWS CO INC
(206)284-7617
EPA ID: WAD988500344

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

VCP:
Facility ID : 96313273
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : NFA after assessment, IRAP, or VCP

L34 **401 ELLIOTT BUILDING SITE** **FINDS** **1007067802**
SE **401 ELLIOTT AVE W** **VCP** **110015443992**
1/4-1/2 **SEATTLE, WA 98101**
2335 ft.

Site 1 of 3 in cluster L

Relative:
Higher

Actual:
28 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

VCP:
Facility ID : 61923958
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported

Facility ID : 61923958
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported

Facility ID : 61923958
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported

L35
SE
1/4-1/2
2335 ft.

Relative:
Higher

Actual:
28 ft.

HENRY BACON BUILDING
401 ELLIOTT AVE. W.
SEATTLE, WA 98111

ICR

S104586254
N/A

Site 2 of 3 in cluster L

WA ICR:

Date Ecology Received Report:	05/03/2000
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Not reported
Site Register Issue:	98-27
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	02/18/2000
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-28
County Code:	17.00000
Contact:	Not reported
Report Title:	UST Decommissioning & Environmental Site Assessment

---

L36
SE
1/4-1/2
2335 ft.

Relative:
Higher

Actual:
28 ft.

401 ELLIOTT BUILDING SITE
401 ELLIOTT AVE W
SEATTLE, WA 98101

CSCSL

S104780216
N/A

Site 3 of 3 in cluster L

SHWS:

Facility ID:	61923958
MTBE Code:	Not reported
Prog plan code :	4
UXO Code :	Not reported
Lat/Long :	48 / 122

Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Treated, removed, or contained
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported

401 ELLIOTT BUILDING SITE (Continued) **S104780216**

Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 29
Lat/Long : 47° 37' 21" / 122° 21' 49"

Facility ID: 61923958
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Surface Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 29
Lat/Long : 47° 37' 21" / 122° 21' 49"

Facility ID: 61923958
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received

401 ELLIOTT BUILDING SITE (Continued) S104780216

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Treated, removed, or contained
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	29

Lat/Long : 47° 37' 21" / 122° 21' 49"

M37 **ELLIOTT INDUSTRIAL PARK** ICR S105063526
NW **1523-1541 15TH AVE. W.** N/A
1/4-1/2 **SEATTLE, WA 98119**
2342 ft.

Site 1 of 2 in cluster M

Relative:
Lower

Actual:
20 ft.

WA ICR:

Date Ecology Received Report:	02/22/2001
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-39
County Code:	17.00000
Contact:	Not reported
Report Title:	Ground Water Sampling Survey - November 2000

M38 **SAMMIS COMPANY (FOUR REPORTS)** ICR S104485902
NW **1523-1545 15TH AVE. W.** N/A
1/4-1/2 **SEATTLE, WA 98119**
2342 ft.

Site 2 of 2 in cluster M

Relative:
Lower

Actual:
20 ft.

WA ICR:

Date Ecology Received Report:	02/07/2000
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Spill, Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-24

SAMMIS COMPANY (FOUR REPORTS) (Continued) **S104485902**

County Code: 17.00000
Contact: Not reported
Report Title: Not reported

39
NNW
1/4-1/2
2533 ft.

SAMIS COMPANY PROPERTY **CSCSL** **S104918032**
1523 1535 1541 15TH AVE W **N/A**
SEATTLE, WA 98119

Relative:
Higher

Actual:
31 ft.

SHWS:
Facility ID: 41667164
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4

Lat/Long : 47° 37′ 59″ / 122° 22′ 35″

Facility ID: 41667164
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be

SAMIS COMPANY PROPERTY (Continued) S104918032

present at the site
Affected Media : Surface Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 4
Lat/Long : 47° 37′ 59″ / 122° 22′ 35″

Facility ID: 41667164
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 4

SAMIS COMPANY PROPERTY (Continued) S104918032

Lat/Long : 47° 37′ 59″ / 122° 22′ 35″

40
SE
1/4-1/2
2620 ft.

REPUBLICAN APARTMENT PROJECT ICR S104487307
323 W. REPUBLICAN N/A
SEATTLE, WA 98119

Relative:
Higher

Actual:
92 ft.

WA ICR:

Date Ecology Received Report:	02/22/1993
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	92-46
County Code:	17.00000
Contact:	Not reported
Report Title:	Not reported

41
SE
1/2-1
2673 ft.

NEORX CORP SEATTLE CSCSL 1000372004
410 W HARRISON FINDS WAD980978936
SEATTLE, WA 98119 RCRA-LQG
VCP
CA HAZNET

Relative:
Higher

Actual:
43 ft.

RCRAInfo:

Owner: NEORX CORP
(206)281-7001
EPA ID: WAD980978936

Contact: Not reported

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	1426.00	D002	1882.00
D003	157.00	D007	176.00
D009	13.00	D011	231.00
D022	386.00	D038	825.00
D040	386.00	P105	125.00
U003	825.00	U007	511.00
U044	386.00	U060	125.00
U075	76.00	U080	386.00
U123	23.00	U151	13.00
U154	865.00	U188	125.00
U196	825.00	U246	125.00

Violation Status: Violations exist

Regulation Violated:	630(5)(a)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	02/24/1997
Actual Date Achieved Compliance:	04/01/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/24/1997
Penalty Type:	Not reported

NEORX CORP SEATTLE (Continued) 1000372004

Regulation Violated: 200(2)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 02/24/1997
Actual Date Achieved Compliance: 04/01/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/24/1997
Penalty Type: Not reported

Regulation Violated: 200(1)(c)(d)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 02/24/1997
Actual Date Achieved Compliance: 04/01/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/24/1997
Penalty Type: Not reported

Regulation Violated: 630(7)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 02/24/1997
Actual Date Achieved Compliance: 04/01/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/24/1997
Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19970401
	GENERATOR-GENERAL REQUIREMENTS	19970401
	GENERATOR-GENERAL REQUIREMENTS	19970401
	GENERATOR-GENERAL REQUIREMENTS	19970401

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:
Facility ID: 69317824
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Base/Neutral/Acid Organics: Not reported

NEORX CORP SEATTLE (Continued) **1000372004**

Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	99
Lat/Long :	47° 37′ 20″ / 122° 21′ 43″

VCP:

Facility ID :	69317824
WARM BIN # :	Not reported
Ecology Status :	Independent Remedial Action
NFA Code :	Not reported

HAZNET:

Gepaid:	WAD980978936
TSD EPA ID:	Not reported
Gen County:	Not reported
Tsd County:	Sacramento
Tons:	0.00
Facility Address 2:	Not reported
Waste Category:	
Disposal Method:	Disposal, Other
Contact:	BECKY BOTTINO
Telephone:	(206) 286-2516
Mailing Name:	Not reported
Mailing Address:	410 W HARRISON SEATTLE, WA 98119
County	Not reported

Gepaid:	WAD980978936
TSD EPA ID:	CAD980884183
Gen County:	99
Tsd County:	99
Tons:	0.01
Facility Address 2:	Not reported
Waste Category:	Liquids with pH <UN-> 2 with metals
Disposal Method:	Disposal, Other
Contact:	BECKY BOTTINO
Telephone:	(206) 286-2516
Mailing Name:	Not reported
Mailing Address:	410 W HARRISON SEATTLE, WA 98119
County	99

NEORX CORP SEATTLE (Continued) 1000372004

Gepaid: WAD980978936
TSD EPA ID: CAD980884183
Gen County: 99
Tsd County: 99
Tons: 0.13
Facility Address 2: Not reported
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Disposal, Other
Contact: BECKY BOTTINO
Telephone: (206) 286-2516
Mailing Name: Not reported
Mailing Address: 410 W HARRISON
SEATTLE, WA 98119
County 99

Gepaid: WAD980978936
TSD EPA ID: CAD980884183
Gen County: 99
Tsd County: 99
Tons: 0
Facility Address 2: Not reported
Waste Category: Off-specification, aged, or surplus inorganics
Disposal Method: Disposal, Other
Contact: BECKY BOTTINO
Telephone: (206) 286-2516
Mailing Name: Not reported
Mailing Address: 410 W HARRISON
SEATTLE, WA 98119
County 99

42
NW
1/2-1
2850 ft.

JOSEPH SMITH ESTATE
1641-1801 15TH AVE W
SEATTLE, WA 98119

CSCSL S102258163
N/A

Relative:
Lower

Actual:
18 ft.

SHWS:
Facility ID: 2345
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels

JOSEPH SMITH ESTATE (Continued) **S102258163**

Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 3
Lat/Long : 47° 38' 3" / 122° 22' 35"

Facility ID: 2345
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 3
Lat/Long : 47° 38' 3" / 122° 22' 35"

43
SE
1/2-1
2909 ft.

COLEMAN CREOSOTING WORKS
333 ELLIOTT AVE W
SEATTLE, WA 98119

CSCSL

S103398153
N/A

Relative:
Higher

Actual:
31 ft.

SHWS:
Facility ID: 77732426
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4

Lat/Long : 47° 37' 17" / 122° 21' 42"

Facility ID: 77732426
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported

COLEMAN CREOSOTING WORKS (Continued) **S103398153**

Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long : 47° 37′ 17″ / 122° 21′ 42″	

44
ESE
1/2-1
3078 ft.

MONTEREY APARTMENTS SITE
622 1ST AVE W & QUEEN AVE N
SEATTLE, WA 98119

RCRA-SQG **1000199654**
CSCSL **WAD981772858**
FINDS

Relative:
Higher

Actual:
147 ft.

RCRAInfo:
Owner: WA ECY
EPA ID: WAD981772858

Contact: DANIEL CARGILL
(360) 867-7023

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:
Facility ID: 2047
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Construction Completed, Operation & Maintenance Underway
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported

MONTEREY APARTMENTS SITE (Continued) 1000199654

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 3
Lat/Long : 47° 37' 30" / 122° 21' 28"

Facility ID: 2047
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Construction Completed, Operation & Maintenance Underway
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Air
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 3
Lat/Long : 47° 37' 30" / 122° 21' 28"

Facility ID: 2047
MTBE Code: Not reported
Prog plan code : 2

MONTEREY APARTMENTS SITE (Continued) **1000199654**

UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Construction Completed, Operation & Maintenance Underway
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	3

Lat/Long : 47° 37′ 30″ / 122° 21′ 28″

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45 East 1/2-1 3240 ft. **UNOCAL SS NO 0255 FORMER** **CSCSL** **S105613395**
700 QUEEN ANNE AVE N **N/A**
SEATTLE, WA 98119

Relative: Higher

Actual: 181 ft.

SHWS:
Facility ID: 59972834
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported

UNOCAL SS NO 0255 FORMER (Continued) S105613395

Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long : 47° 37′ 31″ / 122° 21′ 28″	

Facility ID: 59972834
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long : 47° 37′ 31″ / 122° 21′ 28″	

46
ESE
1/2-1
3308 ft.

MANHATTAN EXPRESS
631 QUEEN ANNE AVE N
SEATTLE, WA 98109

RCRA-SQG
CSCSL
FINDS
VCP

1000658687
WAD988483384

Relative:
Higher

Actual:
154 ft.

RCRAInfo:
Owner: WA ECY
EPA ID: WAD988483384
Contact: BRIAN SATO
(360) 867-7265
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:
Facility ID: 77774779
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
- Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	99

Lat/Long : 47° 37′ 30″ / 122° 21′ 24″

VCP:
Facility ID : 77774779

MANHATTAN EXPRESS (Continued) 1000658687

WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported

N47
ESE
1/2-1
3448 ft.

QUEEN ANNE PROPERTIES MERCER ST
541 QUEEN ANNE AVE N
SEATTLE, WA 98109

CSCSL S106495760
N/A

Site 1 of 3 in cluster N

Relative:
Higher

Actual:
141 ft.

SHWS:
Facility ID: 46659536
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 15
Lat/Long : 47° 37′ 28″ / 122° 21′ 26″

Facility ID: 46659536
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business

QUEEN ANNE PROPERTIES MERCER ST (Continued) **S106495760**

operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media :	Soil
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	15
Lat/Long :	47° 37' 28" / 122° 21' 26"

N48
ESE
1/2-1
3475 ft.

AUCOTT TRUST PROPERTY **CSCSL** **S106495744**
526-530 QUEEN ANNE AVE N **N/A**
SEATTLE, WA 98119

Site 2 of 3 in cluster N

Relative:
Higher

Actual:
141 ft.

SHWS:

Facility ID:	995160
MTBE Code:	Not reported
Prog plan code :	Not reported
UXO Code :	Not reported
Lat/Long :	48 / 122

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)

Independent Site Status - those sites undergoing an independent cleanup:
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media :	Ground Water
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported

AUCOTT TRUST PROPERTY (Continued) S106495744

Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 15
Lat/Long : 47° 37' 27" / 122° 21' 24"

Facility ID: 995160
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 15
Lat/Long : 47° 37' 27" / 122° 21' 24"

N49
ESE
1/2-1
3490 ft.

Relative:
Higher

Actual:
140 ft.

UPTOWN BAKERY FORMER
519-521 QUEEN ANNE AVE N
SEATTLE, WA 98119

CSCSL S106495773
N/A

Site 3 of 3 in cluster N

SHWS:
Facility ID: 6136999
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)

UPTOWN BAKERY FORMER (Continued) S106495773

Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	15

Lat/Long : 47° 37' 27" / 122° 21' 24"

Facility ID: 6136999
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported

UPTOWN BAKERY FORMER (Continued) S106495773

Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	15
Lat/Long :	47° 37' 27" / 122° 21' 24"

50
SE
1/2-1
4094 ft.

BAY VIEW BLDG
129 1ST AVE W
SEATTLE, WA 98034

CSCSL S106123653
N/A

Relative:
Higher

Actual:
56 ft.

SHWS:

Facility ID:	2851894
MTBE Code:	Not reported
Prog plan code :	4
UXO Code :	Not reported
Lat/Long :	48 / 122

Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	99
Lat/Long :	47° 37' 20" / 122° 21' 28"

51 SE 1/2-1 4691 ft.
UNOCAL ELLIOTT AVE N OF BAY ST
3131 ELLIOTT AVE
SEATTLE, WA 98121

CSCSL S102512577 N/A

Relative: Higher

Actual: 40 ft.

SHWS:
Facility ID: 12120
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Below MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4

Lat/Long : 47° 37′ 3″ / 122° 21′ 25″

Facility ID: 12120
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported

UNOCAL ELLIOTT AVE N OF BAY ST (Continued) S102512577

Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Below MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long : 47° 37' 3" / 122° 21' 25"	

52
SE
1/2-1
5040 ft.

UNOCAL SS NO 0355
159 DENNY WAY
SEATTLE, WA 98119

RCRA-SQG 1001490716
CSCSL WAD988493441
FINDS
VCP

Relative: Higher

Actual: 99 ft.

RCRAInfo:
Owner: UNOCAL
(360) 640-7608
EPA ID: WAD988493441
Contact: Not reported
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:
Facility ID: 32873776
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported

UNOCAL SS NO 0355 (Continued) **1001490716**

EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 99
Lat/Long : 47° 37' 7" / 122° 21' 31"

Facility ID: 32873776
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 99
Lat/Long : 47° 37' 7" / 122° 21' 31"

VCP:
Facility ID : 32873776
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action

UNOCAL SS NO 0355 (Continued) 1001490716

NFA Code : Not reported

Facility ID : 32873776
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported

53
NNW
1/2-1
5096 ft.

INTERBAY OLD LANDFILL
W WHEELER ST / 15TH AVE W
SEATTLE, WA 98119

CSCSL **S100079812**
N/A

Relative:
Higher

Actual:
62 ft.

SHWS:
Facility ID: 2135
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Suspected to be present
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	3
Lat/Long :	47° 38' 27" / 122° 22' 34"

Facility ID: 2135
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported

INTERBAY OLD LANDFILL (Continued) **S100079812**

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Surface Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Suspected to be present
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	3

Lat/Long : 47° 38′ 27″ / 122° 22′ 34″

Facility ID: 2135
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Suspected to be present
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported

INTERBAY OLD LANDFILL (Continued) S100079812

Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 3
Lat/Long : 47° 38' 27" / 122° 22' 34"

54
SE
1/2-1
5119 ft.

UNOCAL MYRTLE EDWARDS PARK
3130 ALASKAN WAY W
SEATTLE, WA 98121

CSCSL S102512579
N/A

Relative:
Lower

Actual:
11 ft.

SHWS:
Facility ID: 23180
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 4
Lat/Long : 47° 37' 2" / 122° 21' 29"

Facility ID: 23180
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has

UNOCAL MYRTLE EDWARDS PARK (Continued) S102512579

been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Soil
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	4
Lat/Long :	47° 37' 2" / 122° 21' 29"

O55 **UNOCAL SEATTLE MARKET ELLIOTT** CSCSL S101703241
SE **ELLIOTT AV BN BAY / BROAD** N/A
1/2-1 **SEATTLE, WA 98121**
5196 ft.

Site 1 of 2 in cluster O

Relative: Higher

Actual: 27 ft.

SHWS:

Facility ID:	2212
MTBE Code:	Not reported
Prog plan code :	2
UXO Code :	Not reported
Lat/Long :	48 / 122

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Ground Water
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported

UNOCAL SEATTLE MARKET ELLIOTT (Continued) S101703241

Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 14
Lat/Long : 47° 37' 2" / 122° 21' 24"

Facility ID: 2212
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Method Code : 14
Lat/Long : 47° 37' 2" / 122° 21' 24"

O56
SE
1/2-1
5196 ft.

UNOCAL SEATTLE MARKET LOWER CSCSL S101703242
BN ELLIOTT RR BAY / BROAD N/A
SEATTLE, WA 98121

Site 2 of 2 in cluster O

Relative:
Higher

Actual:
27 ft.

SHWS:
Facility ID: 2210
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress

UNOCAL SEATTLE MARKET LOWER (Continued) **S101703242**

Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	14

Lat/Long : 47° 37′ 1″ / 122° 21′ 23″

Facility ID: 2210
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported

UNOCAL SEATTLE MARKET LOWER (Continued) S101703242

Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	14
Lat/Long :	47° 37' 1" / 122° 21' 23"

57
SE
1/2-1
5225 ft.

UNOCAL SEATTLE MARKET UPLAND CSCSL S101703245
BN WESTERN AV / ELLIOTT AV N/A
SEATTLE, WA 98121

Relative:
Higher

Actual:
48 ft.

SHWS:
Facility ID: 2209
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action Conducted, residual contamination left on site; on-going institutional controls required
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	14
Lat/Long :	47° 37' 2" / 122° 21' 21"

Facility ID: 2209
MTBE Code: Not reported
Prog plan code : 2
UXO Code : Not reported
Lat/Long : 48 / 122
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action Conducted, residual contamination left on site; on-going institutional controls required

UNOCAL SEATTLE MARKET UPLAND (Continued) **S101703245**

Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	14
Lat/Long :	47° 37' 2" / 122° 21' 21"

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SEATTLE	S105454253	BLACKSTOCK LUMBER	545, 601 / 631 ELLIOTT AVE.	98119	ICR
SEATTLE	S105454254	BLACKSTOCK LUMBER (TWO REPORTS)	545, 601 / 631 ELLIOTT AVE.	98119	ICR
SEATTLE	S105805988	INTERBAY	15TH AVENUE WEST SOUTH OF WEST		SWF/LF
SEATTLE	S104223669	SR 99 & FIRST AVE. BRIDGE SPILL/WS	SR 99 / FIRST AVE. BRIDGE		ICR
SEATTLE	S106495763	SEATTLE CITY DOT SHIP CANAL TRAIL	6TH AVE W / EMERSON ST VIADU	98119	CSCSL
SEATTLE	S105430786	UNOCAL SEATTLE MARKETING TERM	BROAD ST / WESTERN AV & BAY	98121	CSCSL
SEATTLE	S106123671	SEATTLE MONORAIL PROJECT	GREEN LINE BALLARD TO W SEATTL		CSCSL, VCP
SEATTLE	S105735400	US ARMY CENTER FORT LAWTON	4570 TEXAS WAY W	98199	CSCSL, VCP
SEATTLE	S104490842	COTTAGE PROPERTIES	VINE ST	98121	CSCSL
SEATTLE	1007069911	WESTLAKE BUILDING	1219 WESTLAKE AVE PROPERTY	98109	CSCSL, FINDS, VCP

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D007	CHROMIUM
D009	MERCURY
D011	SILVER
D022	CHLOROFORM
D038	PYRIDINE
D040	TRICHLOROETHYLENE
P105	SODIUM AZIDE
U003	ACETONITRILE (I,T)
U007	ACRYLAMIDE
U007	2-PROPENAMIDE
U044	CHLOROFORM
U044	METHANE, TRICHLORO-
U060	BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-
U060	DDD
U075	DICHLORODIFLUOROMETHANE

EPA Waste Codes Addendum

Code	Description
U075	METHANE, DICHLORODIFLUORO-
U080	METHANE, DICHLORO-
U080	METHYLENE CHLORIDE
U123	FORMIC ACID (C,T)
U151	MERCURY
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)
U188	PHENOL
U196	PYRIDINE
U246	CYANOGEN BROMIDE (CN)BR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/27/05
Date Data Arrived at EDR: 05/04/05
Date Made Active in Reports: 05/16/05
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 08/05/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 10/21/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 6

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 37

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 09/01/05
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/22/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 10/03/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 06/29/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/29/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05
Date Data Arrived at EDR: 08/18/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/11/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04
Date Data Arrived at EDR: 02/15/05
Date Made Active in Reports: 04/25/05
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05
Date Data Arrived at EDR: 07/11/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 28

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/12/05
Date Data Arrived at EDR: 09/27/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE OR LOCAL RECORDS

CSCSL: Confirmed & Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/05/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 09/13/05
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Semi-Annually

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 08/24/05
Date Data Arrived at EDR: 09/21/05
Date Made Active in Reports: 10/13/05
Number of Days to Update: 22

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 09/09/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Semi-Annually

CSCSL NFA: Confirmed & Contaminated Sites - No Further Action

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 07/05/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 09/13/05
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/01/04
Date Data Arrived at EDR: 01/06/05
Date Made Active in Reports: 02/02/05
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Annually

LUST: Leaking Underground Storage Tanks Site List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/05/05
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/11/05
Number of Days to Update: 29

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 09/16/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Quarterly

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/11/05
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/11/05
Number of Days to Update: 29

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 09/16/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 09/01/05
Date Data Arrived at EDR: 09/02/05
Date Made Active in Reports: 09/28/05
Number of Days to Update: 26

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

SPILLS: Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/21/05
Date Made Active in Reports: 11/09/05
Number of Days to Update: 49

Source: Department of Ecology
Telephone: 360-407-7450
Last EDR Contact: 09/21/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Semi-Annually

INST CONTROL: Institutional Control Site List

Sites that have institutional controls.

Date of Government Version: 09/07/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 46

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites
Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 07/05/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 09/13/05
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner List
A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 08/16/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 09/13/05
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 08/15/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Contaminated Site List
Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 09/08/05
Date Made Active in Reports: 10/13/05
Number of Days to Update: 35

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 09/08/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Varies

EMI: Washington Emissions Data System

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/18/05
Date Made Active in Reports: 03/04/05
Number of Days to Update: 45

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 09/07/05
Date Data Arrived at EDR: 09/08/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 47

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/07/05
Date Data Arrived at EDR: 09/08/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 47

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/85
Date Data Arrived at EDR: 11/07/94
Date Made Active in Reports: N/A
Number of Days to Update: 47

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/94
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/84
Date Data Arrived at EDR: 11/07/94
Date Made Active in Reports: N/A
Number of Days to Update: 47

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/94
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/86
Date Data Arrived at EDR: 08/18/95
Date Made Active in Reports: 09/20/95
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District

Date of Government Version: 02/28/05
Date Data Arrived at EDR: 04/28/05
Date Made Active in Reports: 05/26/05
Number of Days to Update: 28

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 07/21/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/02
Date Data Arrived at EDR: 03/24/03
Date Made Active in Reports: 05/14/03
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/03
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing
Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LEATHER CARE
901/921 ELLIOTT AVENUE WEST
SEATTLE, WA 98119

TARGET PROPERTY COORDINATES

Latitude (North):	47.627399 - 47° 37' 38.6"
Longitude (West):	122.369698 - 122° 22' 10.9"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	547356.5
UTM Y (Meters):	5274862.5
Elevation:	26 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with EPA's Standards and Practices for All Appropriate Inquiries (AAI) and ASTM E 1527-05, Section 8.2.3.

Section 8.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

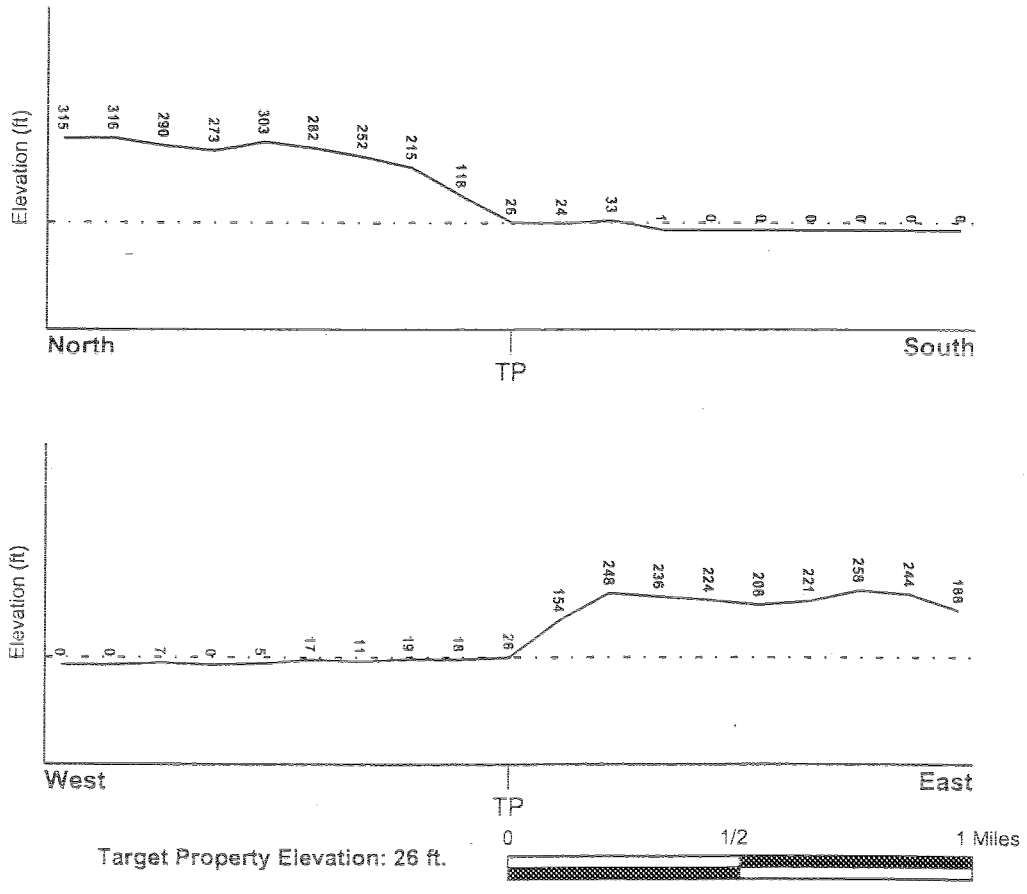
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	47122-F3 SEATTLE NORTH, WA
General Topographic Gradient:	General SW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KING, WA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	53033C0340F
Additional Panels in search area:	53033C0320F 53033C0630F 53033C0610F

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SEATTLE NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile NW
Site Name:	BURLINGTON ENVIRONMENTAL INC PIER 91
Site EPA ID Number:	WAD000812917
Groundwater Flow Direction:	NOT AVAILABLE
Inferred Depth to Water:	3 feet
Hydraulic Connection:	The near-surface ground water at the site is brackish.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/4 - 1/2 Mile SE	SW

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
3	1/2 - 1 Mile NNW	SE
5	1/2 - 1 Mile SE	SSW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	PILCHUCK
Soil Surface Texture:	loamy sand
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	20 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	20 inches	38 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.60
3	38 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 7.30 Min: 6.10
4	60 inches	70 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
silt loam
silty clay loam
gravelly - loam
gravelly - coarse sand
muck
loam

Surficial Soil Types: fine sandy loam
silt loam
silty clay loam
gravelly - loam
gravelly - coarse sand
muck
loam

Shallow Soil Types: fine sandy loam

silty clay loam
silt loam
peaty - silt loam
loam
sandy loam

Deeper Soil Types: silt loam
silty clay loam
very gravelly - coarse sand
stratified
loamy fine sand
very gravelly - sand
sapric material
sand
very gravelly - loamy sand
loamy sand

LOCAL / REGIONAL WATER AGENCY RECORDS

According to ASTM E 1527-05, Section 8.2.2, "To enhance and supplement the standard environmental record sources in 8.2.1, local records and/or additional state or tribal records shall be checked when, in the judgment of the environmental professional, such additional records (1) are reasonably ascertainable, (2) are sufficiently useful, accurate, and complete in light of the objective of the records review (see 8.1.1), and (3) are generally obtained, pursuant to local good commercial or customary practice, in initial environmental site assessments in the type of commercial real estate transaction involved." One of the records sources listed in 8.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	USGS3278507	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	WA5306071	1/2 - 1 Mile NNE

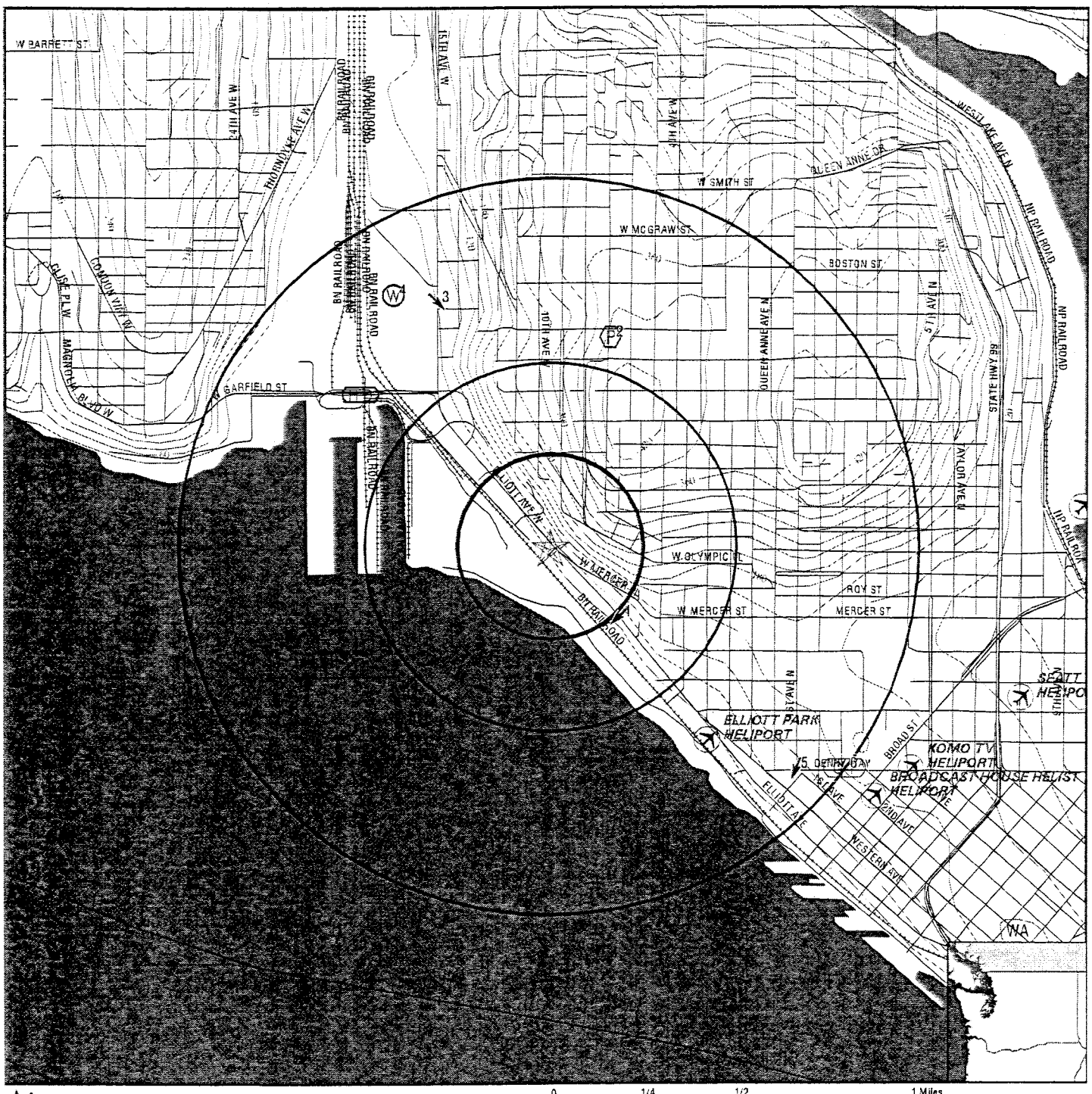
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1561125.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data

TARGET PROPERTY:	Leather Care	CUSTOMER:	Camp, Dresser & McKee, Inc.
ADDRESS:	901/921 Elliott Avenue West	CONTACT:	Pam Morrill
CITY/STATE/ZIP:	Seattle WA 98119	INQUIRY #:	1561125.2s
LAT/LONG:	47.6274 / 122.3697	DATE:	November 23, 2005 7:45 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1 **SE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	5782 SW 2.82 18.64 Not Reported 01/15/1996	AQUIFLOW	61444

2
NNE
1/2 - 1 Mile
Higher

FRDS PWS WA5306071

PWS ID:	WA5306071	PWS Status:	Active
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	K & D INVESTMENTS 1370 STEWART ST. SEATTLE, WA 98109		
Addressee / Facility:	Not Reported		
Facility Latitude:	47 38 09	Facility Longitude:	122 21 54
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000020

PWS currently has or had major violation(s) or enforcement: No

---

3 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	2052 SE 5.90 9.32 Not Reported 12/1991	AQUIFLOW	61351

4
NNW
1/2 - 1 Mile
Lower

FED USGS USGS3278507

Agency cd:	USGS	Site no:	473908122224701
Site name:	25N/03E-14J01		
Latitude:	473815		
Longitude:	1222239	Dec lat:	47.63732019
Dec lon:	-122.37873947	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	033
Country:	US	Land net:	NE SE S14 T25N R03E W
Location map:	SEATTLE NORTH	Map scale:	24000
Altitude:	15	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lake Washington, Washington. Area = 619 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19340212
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: Not Reported
Well depth: 545
Source of depth data: other reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 1967-04-06
Ground water data begin date: 1934-02-12
Ground water data count: 1

Hole depth: Not Reported
Project number: Not Reported
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data end date: 0000-00-00
Water quality data begin date: 1953-09-25
Water quality data count: 4
Ground water data end date: 1934-02-12

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1934-02-12	9	

5
SE
1/2 - 1 Mile
Higher

Site ID: 3835
Groundwater Flow: SSW
Shallowest Water Table Depth: 4.3
Deepest Water Table Depth: 14.27
Average Water Table Depth: Not Reported
Date: 01/20/1999

AQUIFLOW **61434**

6
SE
1/2 - 1 Mile
Higher

Site ID: 443624
Groundwater Flow: Not Reported
Shallowest Water Table Depth: 6
Deepest Water Table Depth: 2
Average Water Table Depth: Not Reported
Date: 08/1998

AQUIFLOW **61225**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KING County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98119

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.200 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Water Wells
Source: Department of Transportation
Telephone: 360-705-7444
Group A well location points in Washington State.

Kitsap County Water Wells in Washington
Source: Public Utility District No. 1 of Kitsap County
Telephone: 206-779-7656

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Appendix C

Appendix C
Field Exploration and Sampling Procedures

Appendix C
Field Exploration and Sampling Procedures

Drilling

Cascade Drilling of Woodinville, Washington installed two piezometers and six monitoring wells at the site between May 3 and 5, 2006. A Camp Dresser & McKee Inc. (CDM) soil scientist observed the drilling and monitoring well installation. A limited access and truck-mounted drill rig equipped with 8-inch diameter hollow-stem augers were used to advance the drilled borings and to install monitoring wells located outside of the building. A limited access drive-point sampling device (GeoProbe®) was utilized to explore extend test holes and to install piezometers located within the building. The GeoProbe® sampling method utilizes a hydraulically-powered percussion/direct push machine that drives a tool string directly through the ground.

During drilling, soil was logged and sampled at 2.5-foot intervals (beginning at 5 feet) by driving a 2-inch diameter split-barrel sampler 18 inches into undisturbed soil ahead of the borehole bottom using a 300-pound hammer. Driving was terminated when the full 18-inch drive was completed. During drive-point sampling, soil samples were collected continuously using core samplers attached to drive rods. Four-foot-long core samplers with acetate liners were used.

Soils encountered were logged according to the Unified Soil Classification System as described on **Figure D1** in **Appendix D**.

The following procedures were used to collect subsurface soil samples:

1. Driller retrieved sampler from borehole.

2. The split-barrel sample was opened or the acetate liner was removed and sliced open and sample recovery was measured.

3. Soil samples to be analyzed for volatile organic compounds (VOCs) were collected using approximately 5-gram core samples, dispensed immediately into three preweighed 40 milliliter VOA vials containing methanol preservative (1) and sodium bisulfate (2), and sealed in accordance with EPA Method 5035A. Additional sample was also collected into a 4-ounce glass jar for moisture determination and semivolatile analyses. Sample containers were labeled and placed in a chilled cooler.

4. Soil samples to be analyzed for bioavailable ferric iron were collected in an 8-ounc laboratory supplied plastic jar and filled with groundwater obtained from the borehole. Sample containers were labeled, placed into a plastic zip-lock bag, and then stored in a cooler containing palletized dry ice.

the annular space from the bottom of the screen to 1 feet above the top of the screen. A seal of bentonite chips was placed on top of the sand pack to 1 ft bgs. A concrete seal was placed between the bentonite seal and the ground surface. A tamper-resistant, flush-mount, protective casing was set over the upper end of the PVC riser.

Monitoring Well Development

Monitoring wells were developed using stainless steel bailers to alternately surge and remove turbid water from the well casing and sand pack. At least 18 gallons of water were removed from each well during this process. Temperature, pH, and specific conductance were measured during the development to check for stabilization. These data are on file in CDM's Bellevue office. All development water was collected and stored in labeled 55-gallon drums.

Monitoring Well and Piezometer Sampling

The monitoring wells and piezometers were allowed to recover at least 72 hours before sampling. Sampling was performed as follows:

Initial Measurement: Prior to purging, the water depth was measured to the nearest 0.01 foot using a SINCO water level indicator. At wells that historically contained free phase hydrocarbons, the presence of floating product was checked using an MMC indicator which measures the presence and thickness of free phase oil.

Well Purging: Purging was accomplished using low-flow sampling techniques intended to minimize turbidity and aeration generated in the sample collection process. Monitoring wells and piezometers were purged using a peristaltic pump fitted with disposable tygon tubing. Physical parameters were monitored using a YSI meter secured in a flow-through cell that was situated after the pump and before the tubing discharge in order to minimize contact with ambient air. Parameters measured during purging included: pH, temperature, specific conductance, turbidity, dissolved oxygen, and oxidation reduction potential (ORP). In addition, at the conclusion of purging, ferrous iron was tested using a Hach field test kit. The wells were purged until the variation of physical parameters was less than 10 percent for three successive measurements.

Well Sampling: The samples were collected directly from the pump discharge tubing (with the flow-through cell removed) into laboratory supplied containers appropriate for the analyses to be conducted. Samples were labeled and stored in chilled coolers. Samples for chemical analyses were delivered directly to ARI under chain-of-custody protocol. Samples for DNA analysis were shipped under chain-of-custody by FedEx for overnight delivery to North Wind in Pocatello, Idaho.

Drilling and Well Construction

Drilling was conducted by Cascade Drilling and documented in the field by a CDM scientist. Documentation of drilling, soil sampling, and well construction was made on a Drilling and Well Installation Log.

Sampling

CDM documented field activities associated with soil and groundwater sampling. This included a comprehensive discussion of field observations, including visual observations, field parameter measurements, QA observations, and problems encountered. Sampling Records were completed for all samples submitted to laboratories.

Sample containers were labeled with the following information:

- Project identification
- Date
- Time
- Sampler's initials
- Sample identification number

Chain-of-custody forms were filled out with the requested analyses information and accompanied the samples to the laboratory.

Appendix D

Appendix D
Boring Logs

SOIL CLASSIFICATION LEGEND

MAJOR DIVISIONS				TYPICAL NAMES
COARSE GRAINED SOILS (More than half is larger than No. 200 sieve)	GRAVELS (More than half coarse fraction is larger than No. 4 sieve size)	Clean gravels with little or no fines	GW	Well graded gravels, gravel-sand mixtures
			GP	Poorly graded gravels, gravel-sand mixtures
		Gravel with over 12% fines	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS (More than half coarse fraction is smaller than No. 4 sieve size)	Clean sands with little or no fines	SW	Well graded sands, gravelly sands
			SP	Poorly graded sands, gravelly sands
		Sands with over 12% fines	SM	Silty sand, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
FINE GRAINED SOILS (More than half is smaller than No. 200 sieve)	SILTS AND CLAYS (Liquid limit less than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic clays and organic silty clays of low plasticity
	SILTS AND CLAYS (Liquid limit greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils

SAMPLE TYPE SYMBOLS

- Disturbed bag or jar sample
- Std. Penetration Test (2.0" OD)
- Type U Ring Sampler (3.25" OD)
- California Sampler (3.0" OD)
- Undisturbed Tube Sample
- Grab Sample
- Core Run
- Non-standard Penetration Test (with split spoon sampler)
- Bulk Sample

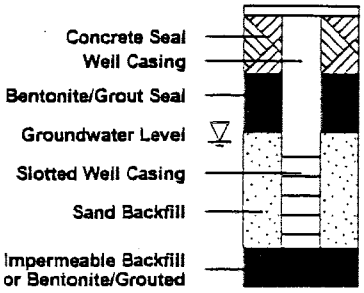
CONTACT BETWEEN UNITS

- Well-defined change in unit
- Gradational change in unit which was clearly noted in the exploration
- Change in unit which was not clearly defined

DESCRIPTORS FOR SOIL STRATA AND STRUCTURE (ENGLISH/METRIC)

General Thickness or Spacing		Structure		General Attitude	
Parting:	less than 1/16 in. (1/6 cm)	Pocket:	Erratic, discontinous deposit of limited extent	Near horizontal:	0 to 10 deg.
Seam:	1/16 to 1/2 in. (1/6 to 1 1/4 cm)	Lens:	Lenticular deposit	Low angle:	10 to 45 deg.
Layer:	1/2 to 12 in. (1 1/4 to 30 1/2 cm)	Varved:	Alternating seams of silt and clay	High angle:	45 to 80 deg.
Stratum:	> 12 in. (30 1/2 cm)	Laminated:	Alternating seams	Near Vertical:	80 to 90 deg.
Scattered:	< 1 per ft. (30 1/2 cm)	Stratified:	Alternating layers		
Frequent:	> 1 per ft. (30 1/2 cm)				

WELL COMPLETIONS



STRUCTURE DESCRIPTION (cont.)

Fractured	Breaks easily along definite fractured planes
Slickensided	Polished, glossy, fractured planes
Blocky, Diced	Breaks easily into small angular lumps
Sheared	Disturbed texture, mix of strengths
Homogeneous	Same color and appearance throughout

MOISTURE DESCRIPTION

- Dry - Free of moisture, dusty
- Moist - Damp but no visible free water
- Wet - Visible free water

MODIFIERS

Trace	Particles present at levels estimated < 5%
Slightly (Clayey, Silty, Sandy, Gravelly)	Particles present at levels estimated at 5 to 12%
Clayey, Silty, Sandy, Gravelly	Particles present at levels estimated at 12 to 30%
Very (Clayey, Silty, Sandy, Gravelly)	Percentage of minor constituents estimated > 30%

RELATIVE DENSITY OR CONSISTENCY VS. SPT N-VALUE

COARSE GRAINED			FINE GRAINED		
Density	N (blows/ft)	Approx. Relative Density (%)	Consistency	N (blows/ft)	Approx. Undrained Shear Str. (psf)
Very Loose	0 to 4	0 - 15	Very Soft	0 to 2	<250
Loose	4 to 10	15 - 35	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	35 - 65	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	65 - 85	Stiff	8 to 15	1000 - 2000
Very Dense	Over 50	85 - 100	Very Stiff	15 to 30	2000 - 4000
			Hard	over 30	>4000

PHYSICAL PROPERTY TEST

- AL - Atterberg Limits
- FC - Fines Content
- GSD - Grain Size Distribution
- MC - Moisture Content
- MD - Moisture Content/Dry Density
- SG - Specific Gravity
- Perm - Permeability
- TXP - Triaxial Permeability
- Cons - Consolidation
- Chem - Analytical Chemical Analysis
- Corr - Corrosion
- VS - Vane Shear
- DS - Direct Shear
- UC - Unconfined Compression
- TX - Triaxial Compression
- UU - Unconsolidated, Undrained
- CU - Consolidated, Undrained
- CD - Consolidated, Drained

Notes:

1. Sample descriptions in this report are based on visual field and laboratory observations, which include density/consistency, moisture condition, grain size, and plasticity estimates, and should not be construed to imply field or laboratory testing unless presented herein. Visual-manual classification methods in accordance with ASTM D 2488 were used as an identification guide. Where laboratory data are available, soil classifications are in general accordance with ASTM D 2487.

2. Dual symbols are used to indicate gravel and sand units with 5 to 12 percent fines and fine-grained units that plot in the CL-ML area of the plasticity chart.

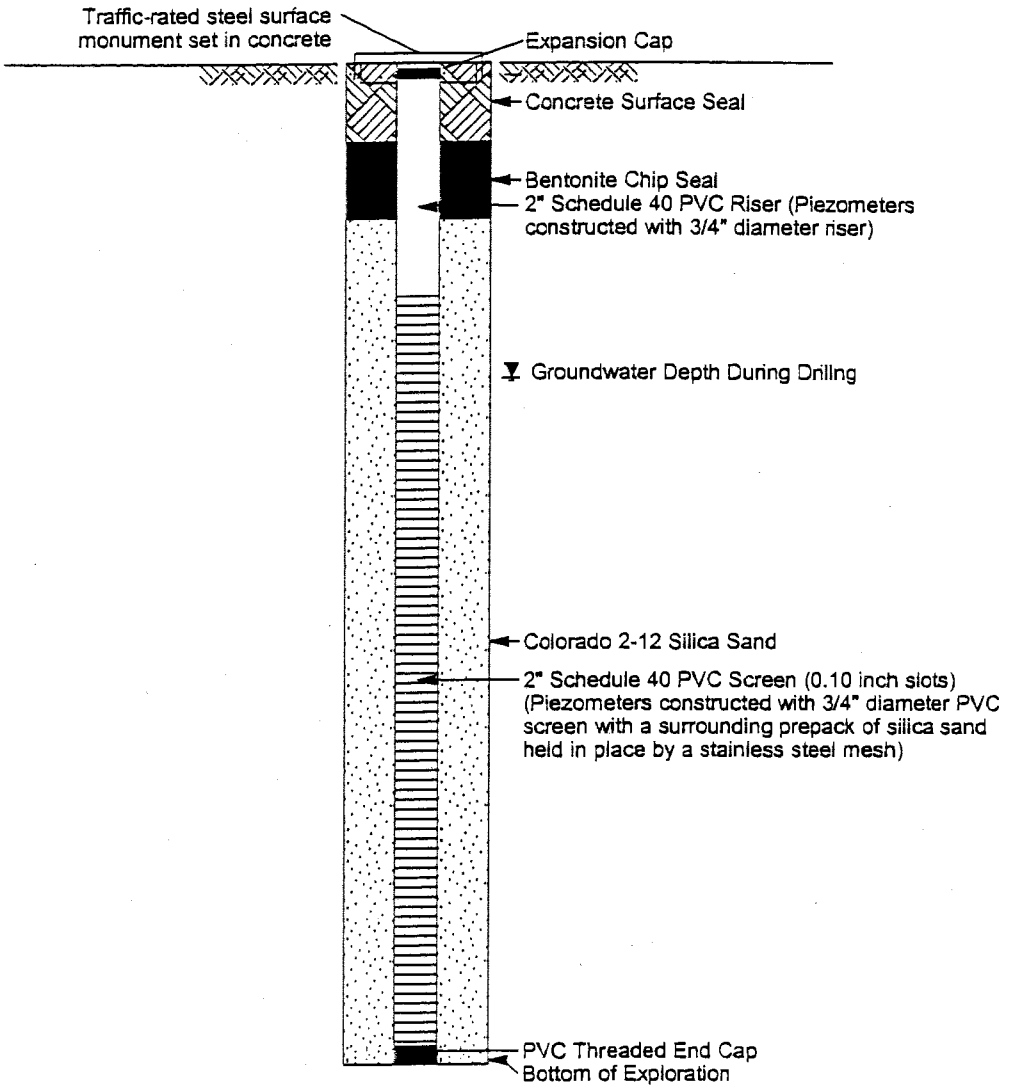
3. WCR = weight of rod, WCH = weight of hammer.

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LeatherCare, Inc.
Mercer Island, Washington

Project No: 38057.47522 Figure: D1

CDM

SOIL CLASSIFICATION/LEGEND 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.



MONITORING WELL CONSTRUCTION 47522 LEATHERCARE LOGS.GPJ CDM_BLLV.GDT 6/22/06 REV.

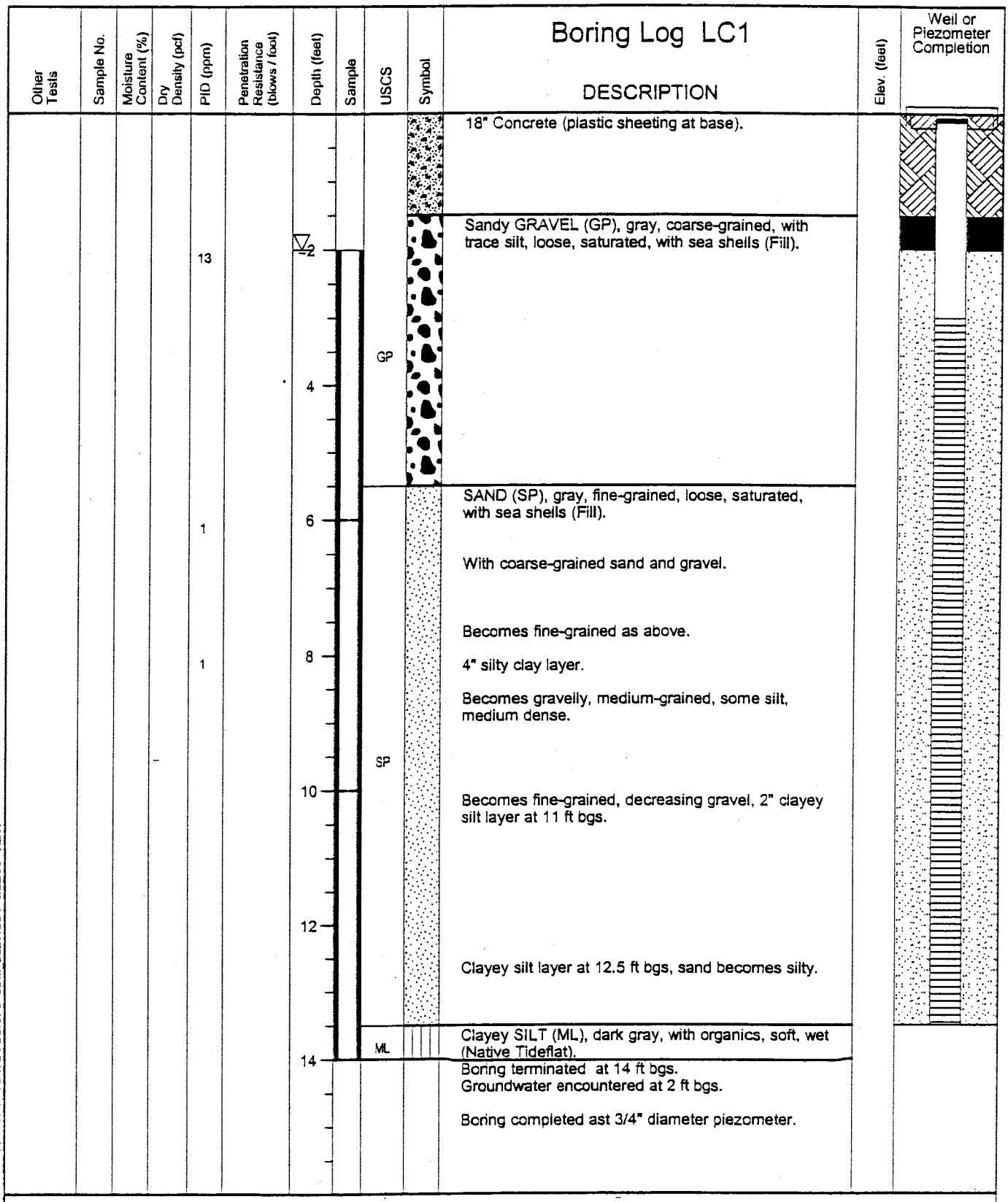
TYPICAL MONITORING WELL CONSTRUCTION

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Project No: 38057.47522 Figure: D2
1 of 1

CDM

Boring Log LC1



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Geoprobe
Equipment/Hammer: Continuous Core/NA
Date Completed: 5-3-06

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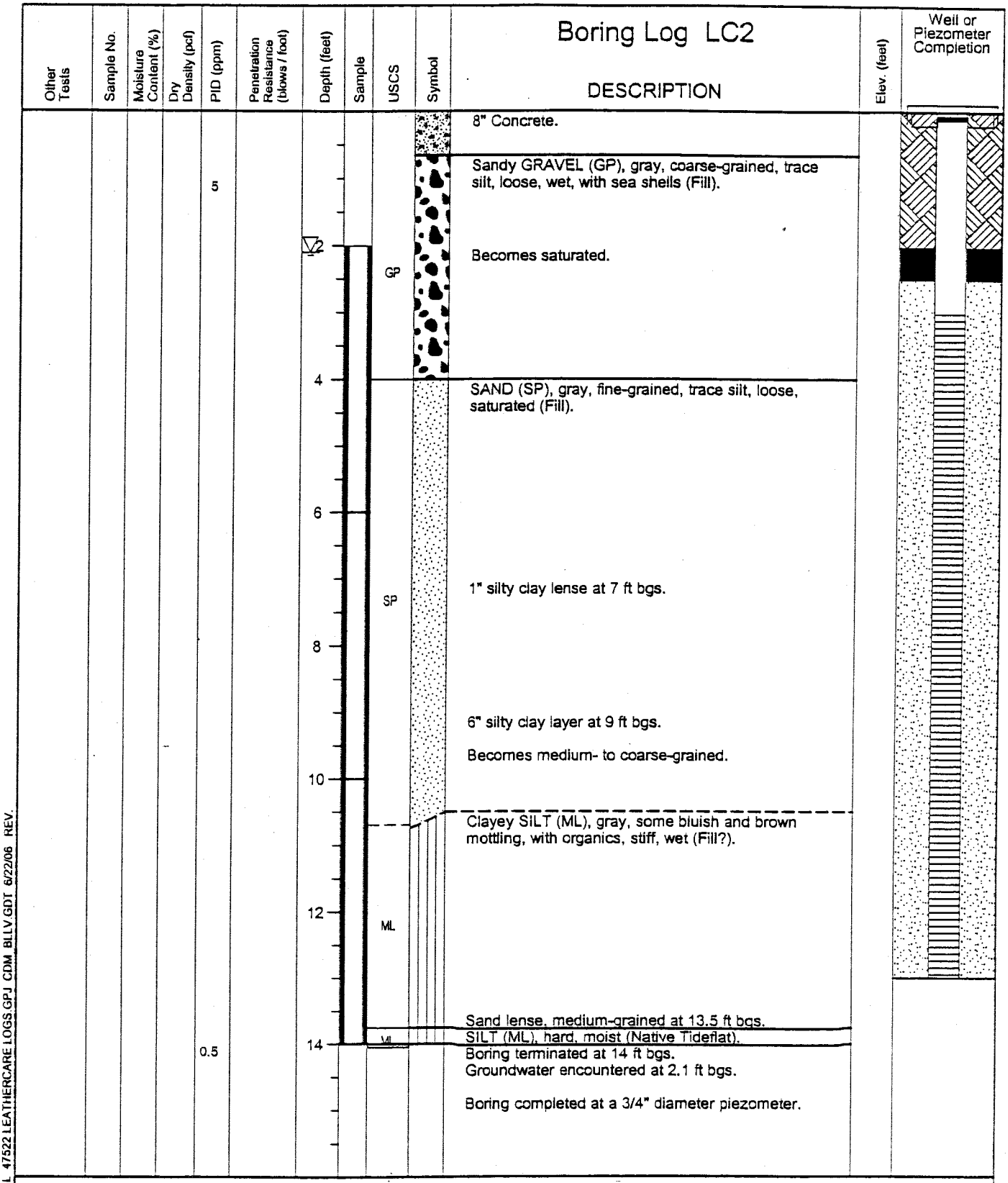
Boring Log LC1
Project No: 38057.47522

Figure: D3
1 of 1

CDM

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM_BLLV.GDT 6/22/06 REV.

Boring Log LC2



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Geoprobe
Equipment/Hammer: Continuous Core/NA
Date Completed: 5-3-06

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Mercer Island, Washington

Boring Log LC2
Project No: 38057.47522

Figure: D4
1 of 1

CDM

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.

Boring Log LC3

Other Tests	Sample No.	Moisture Content (%)	Dry Density (pcf)	PID (ppm)	Penetration Resistance (blows / foot)	Depth (feet)	Sample	USCS	Symbol	DESCRIPTION	Elev. (feet)	Well or Piezometer Completion
										6" Concrete.		
										Sandy GRAVEL (GP), gray, fine- to coarse-grained, trace silt, very dense, wet (Fill).		
					50/6"	2		GP				
										Becomes saturated.		
										Gravelly SAND (SP), gray, fine- to coarse-grained, trace silt, medium dense, saturated, with sea shells (Fill).		
						4						
					6 6 6							
				0		6						
					5 5 4					Becomes loose, decreasing gravel, with layers of fine-grained sand.		
						8		SP				
				0								
					6 6 6	10				Medium dense.		
						12						
					2 3 1					Loose.		
								SM		Silty SAND (SM), dark gray, grading into Sandy SILT (ML), soft, wet and saturated, with thin peat layers (1/4") (Transition zone to Tideflat).		
						14				Boring terminated at 14 ft bgs. Groundwater encountered at 3 ft bgs. Boring completed as a 2" diameter monitoring well.		

Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Limited Access Rig
Equipment/Hammer: D&M/300#
Date Completed: 5-4-06

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CDM

Boring Log LC3
Project No: 38057.47522

Figure: D5
1 of 1

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM_BLLV.GDT 6/22/06 REV.

Boring Log LC4

Other Tests	Sample No.	Moisture Content (%)	Dry Density (pcf)	PID (ppm)	Penetration Resistance (blows / 6 in.)	Depth (feet)	Sample	USCS	Symbol	DESCRIPTION	Elev. (feet)	Well or Piezometer Completion
				10		0		SP		2" Asphalt. Gravelly SAND (SP), dark brown, some silt, wood debris, fine to coarse gravel, fine sand, loose, moist (Fill).		
					28 50/5"	2		GP		Sandy GRAVEL (GP), gray, trace to some silt, medium to coarse gravel, very dense, moist (Fill). Becomes saturated.		
				0	9 15 14	6				SAND (SP), gray, trace silt, occasional fine to coarse gravel, medium dense, saturated, with sea shells (Fill).		
				0	2 2 2	8				Becomes loose, with clayey silt lenses.		
					4 4 4	10		SP				
					2 2 2	12						
				0		14				Silty clay at base of boring (Tideflat). Boring terminated at 14 ft bgs. Groundwater encountered at about 3 ft bgs. Boring completed as a 2" diameter monitoring well.		

Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Limited Access Rig
Equipment/Hammer: D&M/300#
Date Completed: 5-4-06

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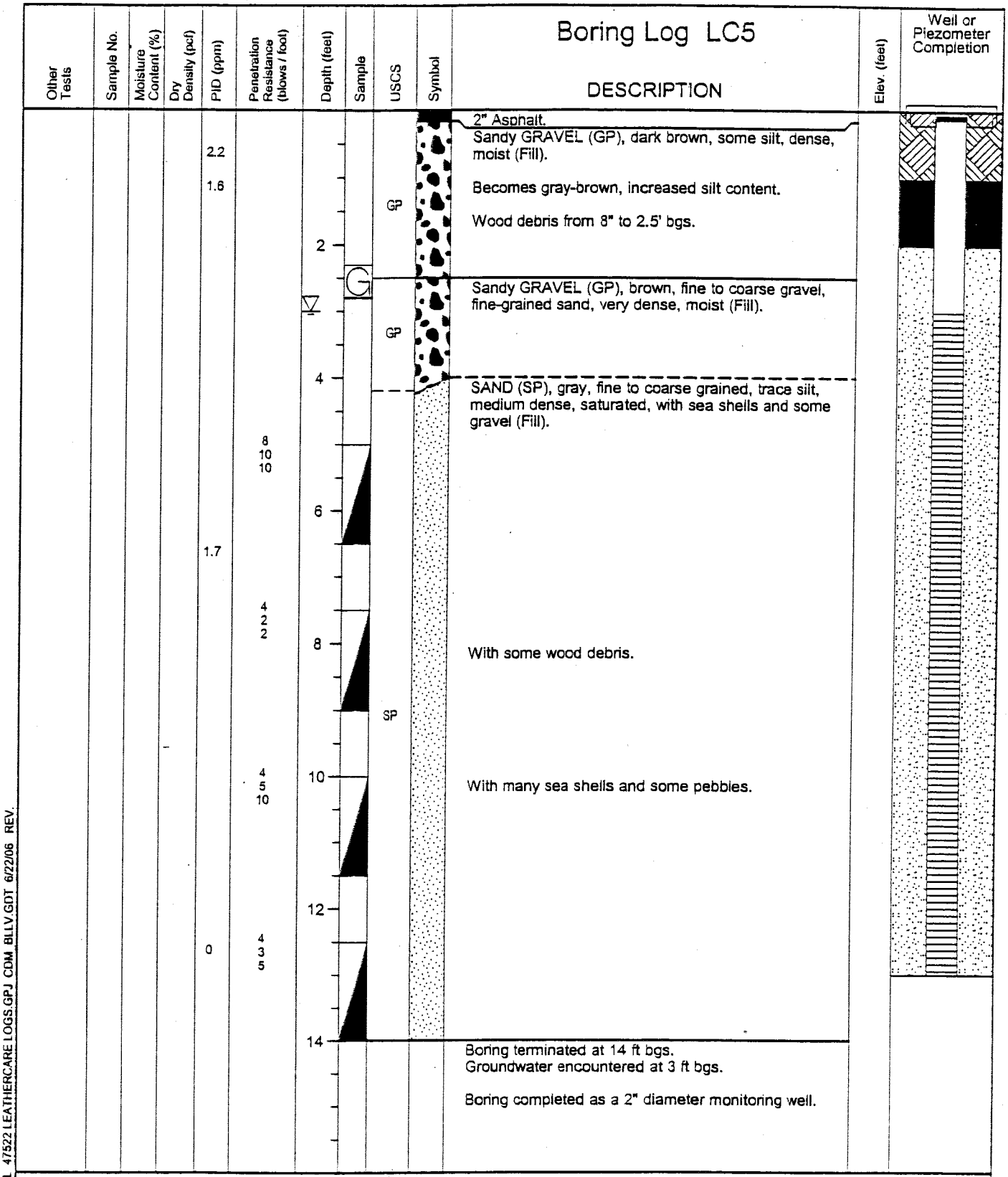
CDM

Boring Log LC4
Project No: 38057.47522

Figure: D6
1 of 1

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM_BLLV.GDT 6/22/06 REV.

Boring Log LC5



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Limited Access Rig
Equipment/Hammer: D&M/300#
Date Completed: 5-4-06

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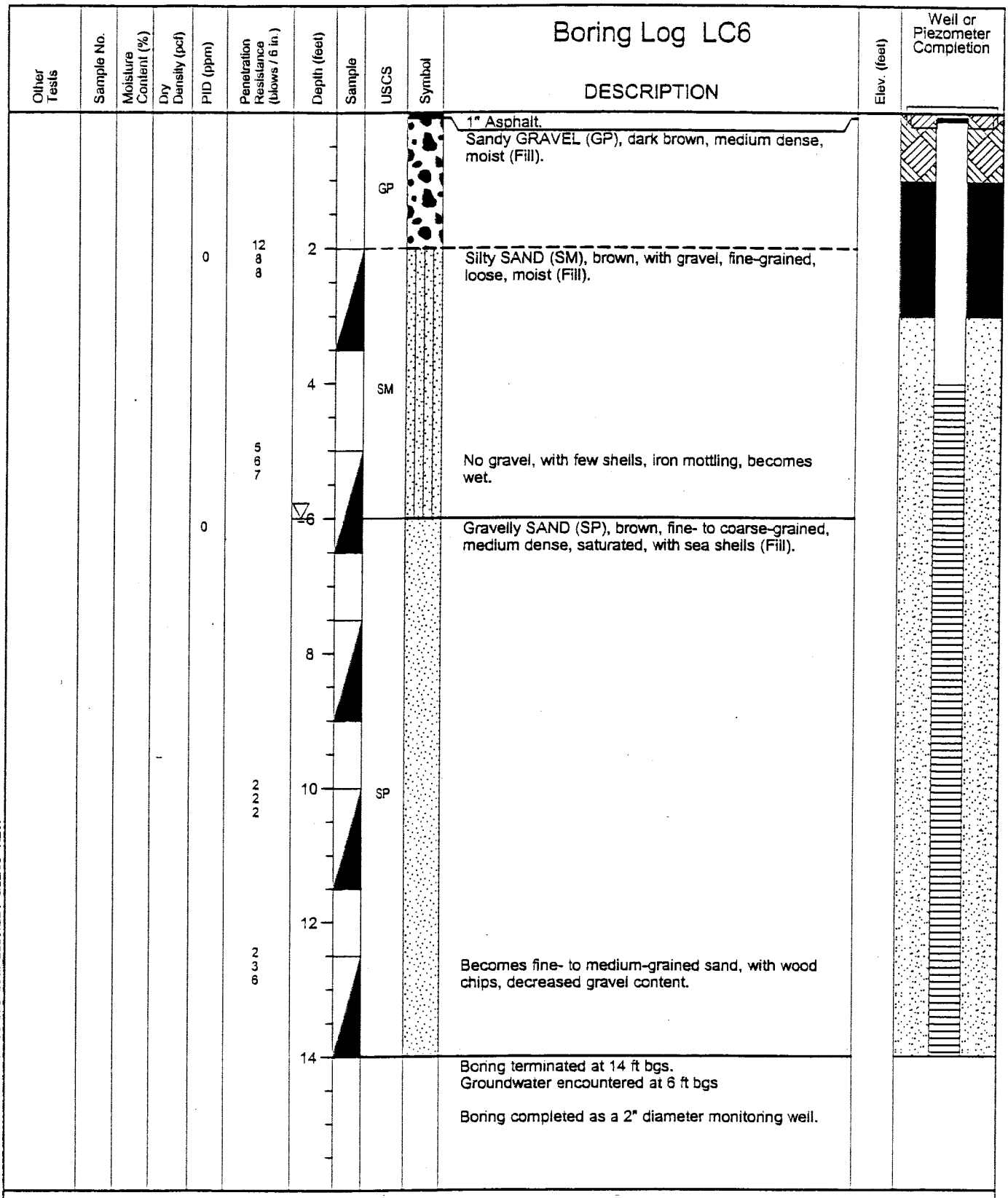
CDM

Boring Log LC5
Project No: 38057.47522

Figure: D7
1 of 1

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.

Boring Log LC6



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Limited Access Rig
Equipment/Hammer: D&M/300#
Date Completed: 5-4-06

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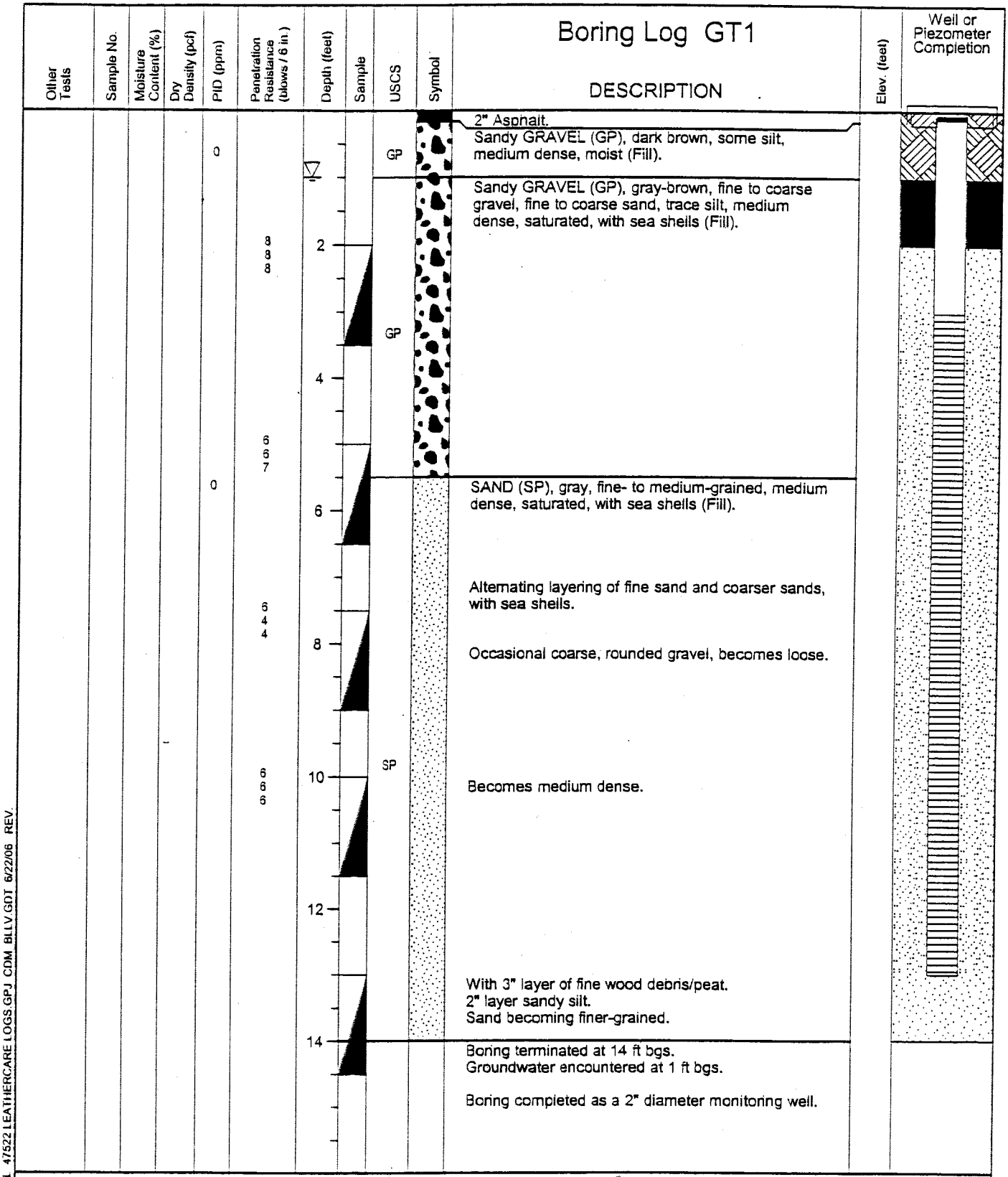
Boring Log LC6
Project No: 38057.47522

Figure: D8
1 of 1

CDM

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.

Boring Log GT1



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Mobile B61
Equipment/Hammer: D&M/300#
Date Completed: 5-5-06

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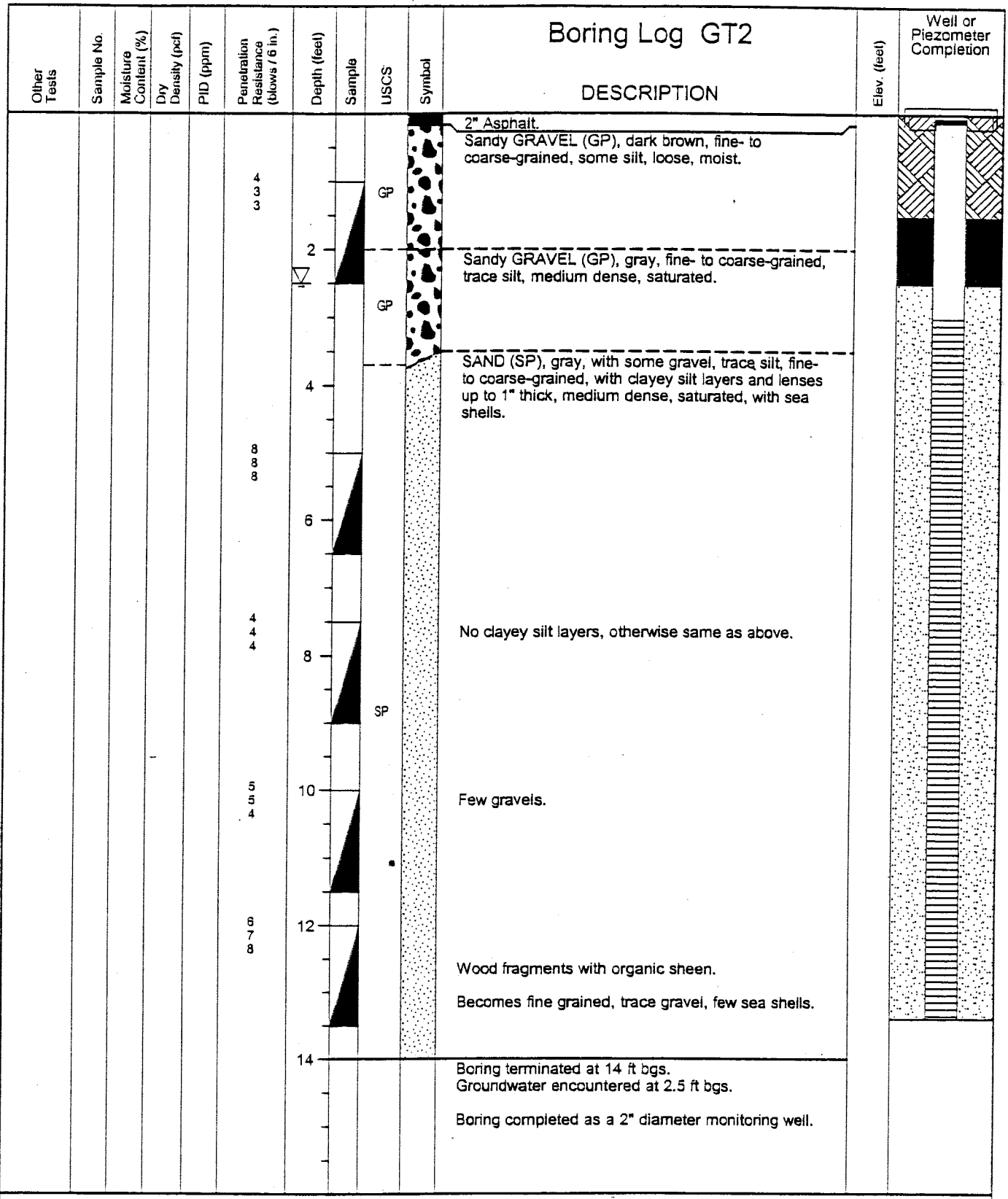
CDM

Boring Log GT1
Project No: 38057.47522

Figure: D9
1 of 1

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.

Boring Log GT2



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Mobile B61
Equipment/Hammer: D&M/300#
Date Completed: 5-5-06

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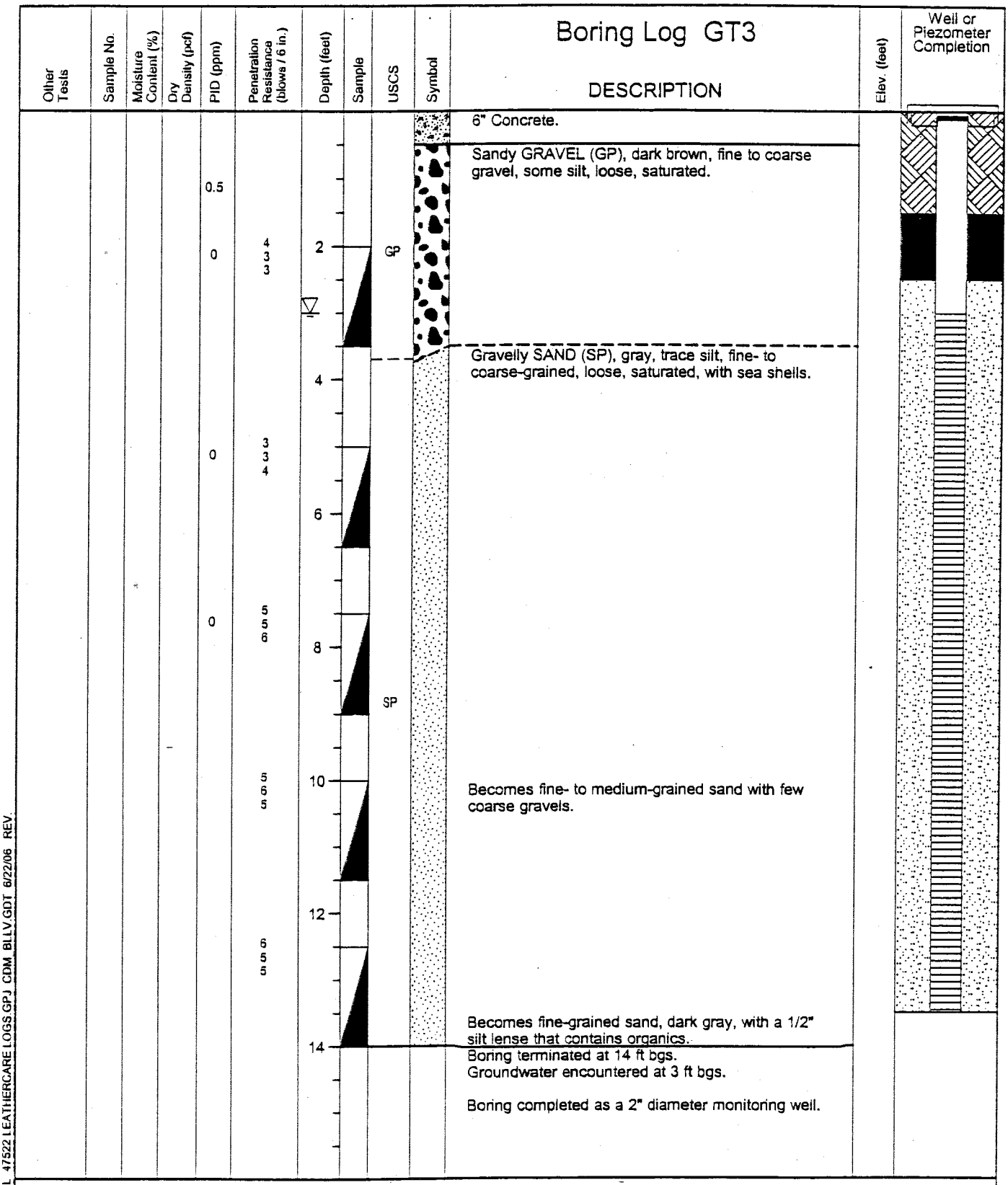
CDM

Boring Log GT2
Project No: 38057.47522

Figure: D10
1 of 1

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.

Boring Log GT3



Location: _____
Surface Elevation: _____
Logged By: PJM

Drill Rig: Mobile B61
Equipment/Hammer: D&M/300#
Date Completed: 5-5-06

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Boring Log GT3 Figure: D11
Project No: 38057.47522 1 of 1

CDM

LOG OF BORING WITH WELL 47522 LEATHERCARE LOGS.GPJ CDM BLLV.GDT 6/22/06 REV.

Appendix E

Appendix E
Analytical Laboratory Reports

North Wind

Quantitative PCR Analytical Summary

5 June, 2006

Overview:

The objective of this project was to quantify the number of *Dehalococcoides sp.* (DHC) 16S rRNA gene copies contained in groundwater samples received from CDM in Bellevue, WA, using quantitative polymerase chain reaction (QPCR). Table 1 describes the sample matrix and the condition of the samples upon arrival to the analytical laboratory.

A set of 19 samples arrived at the laboratory on ice, in good condition within the 24 hour holding time. Upon arrival, the samples were filtered and frozen for storage at -80°C until the DNA extraction was performed. Following DNA extraction, the samples were first subjected to polymerase chain reaction (PCR) using universal bacterial probes in order to verify that amplifiable DNA was present in the samples. In addition, this PCR was used to perform a "nested" QPCR in which the amplified DNA was used as the template in a QPCR reaction. Although the results from the nested PCR cannot be quantified per se, they can be used to lower the detect limit for the QPCR in order to determine if *Dehalococcoides* is present at concentrations lower than the method detect limit (MDL) using the groundwater DNA extractions. The results of these studies are described here

Table 1: Description of CDMsamples and volume filtered for DNA extraction.

Well Location	Matrix	Condition Received/ Observations	Volume Filtered (L)
MW1	Groundwater	4°C, 1L bottles	0.500
MW2	Groundwater	4°C, 1L bottles	0.500
MW3	Groundwater	4°C, 1L bottles	0.500
MW4	Groundwater	4°C, 1L bottles	0.500
MW5	Groundwater	4°C, 1L bottles	0.400
MW6	Groundwater	4°C, 1L bottles	0.500
MW7	Groundwater	4°C, 1L bottles	0.500
MW8	Groundwater	4°C, 1L bottles	0.500
GT1	Groundwater	4°C, 1L bottles	0.500
GT2	Groundwater	4°C, 1L bottles	0.500
GT3	Groundwater	4°C, 1L bottles	0.500
LC0	Groundwater	4°C, 1L bottles	0.500
LC1	Groundwater	4°C, 1L bottles	0.500
LC2	Groundwater	4°C, 1L bottles	0.250
LC3	Groundwater	4°C, 1L bottles	0.500
LC4	Groundwater	4°C, 1L bottles	0.500
LC5	Groundwater	4°C, 1L bottles	0.500
LC6	Groundwater	4°C, 1L bottles	0.500
MW12	Groundwater	4°C, 1L bottles	0.500

Results:

The samples arrived at the lab in good condition at 4°C. The samples were filtered, and the filters were immediately placed in a -80°C freezer and stored until the DNA extraction was performed. Table 2 summarizes the results of the biomass and DHC assessment for the CDM samples. The DNA extraction negative control and all PCR negative controls did not amplify any product. In addition, all calibration control checks were within acceptable values.

The DNA extraction concentration in ng/L of groundwater is reported as an indicator of relative biomass levels for a given sample so that relative comparisons can be made. Overall, the samples had relatively low biomass indicative of low-nutrient groundwater. Of the samples evaluated, GT2 had the highest biomass (3841 ng DNA/L groundwater), and LC1 had the lowest biomass (117 ng DNA/L groundwater) (Table 2). All groundwater DNA extractions were then subjected to PCR amplification for *Bacteria*, in order to verify that the DNA extractions yielded amplifiable DNA. All samples amplified *Bacteria* successfully, which confirms that the DNA extraction method yielded a sufficient amount of clean DNA to successfully amplify during PCR.

Dehalococcoides spp. (DHC) was amplified via QPCR in the samples collected from wells MW6, GT2, GT3, LC1, LC3, LC5 and LC6 (Table 2). DHC was not detected in the other samples using either the direct QPCR or the nested QPCR approach.

Table 2. Results of molecular analyses for CDM samples.

Well Location	DNA (ng/L groundwater)	Amplification of Bacteria#	*Dehalococcoides* 16S rDNA (gene copy/L Groundwater)*	Nested QPCR#
MW1	575	+	0.00	-
MW2	119	+	0.00	-
MW3	2243	+	0.00	-
MW4	1905	+	0.00	-
MW5	1094	+	0.00	-
MW6	303	+	$9.97 \times 10^4 \pm 1.55 \times 10^4$	
MW7	1786	+	0.00	-
MW8	639	+	0.00	-
GT1	174	+	0.00	-
GT2	3841	+	$6.13 \times 10^4 \pm 9.28 \times 10^3$	
GT3	2317	+	$6.43 \times 10^4 \pm 1.36 \times 10^4$	
LC0	572	+	0.00	-
LC1	117	+	$1.38 \times 10^4 \pm 1.89 \times 10^3$	
LC2	1123	+	0.00	-
LC3	2201	+	$6.21 \times 10^4 \pm 8.29 \times 10^3$	
LC4	447	+	0.00	-
LC5	600	+	$5.54 \times 10^5 \pm 6.69 \times 10^4$	
LC6	274	+	$7.73 \times 10^4 \pm 5.21 \times 10^3$	
MW12	147	+	0.00	-

* : a * indicates that the value presented is below the reporting limit.
\# : a '+' sign indicates that amplification of *Bacteria* and *Dehalococcoides* (in the nested QPCR) was successful, and a '-' sign indicates that amplification was not successful.

CDM

CHAIN-OF-CUSTODY

Date 5/8/06 Page 1 of 1

PROJECT INFORMATION

Project Manager: [illegible]

Project Name: [illegible]

Project Number: [illegible]

Site Location: Seattle Sampled By: [illegible]

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)

Disposal Method: _____

Disposed by: _____ Disposal Date: _____

QC INFORMATION (check one)

☐SW-846 ☐CLP ☐Screening ☐CDM Std. ☐Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	PETROLEUM HYDROCARBONS: TPH-HCID State:	TPH-G State:	TPH-D State:	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	ORGANIC COMPOUNDS: 8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8240 GC/MS Volatiles	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	PESTS/PCBs: 8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	METALS: Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	LEACHING TESTS: TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	OTHER: DNA					NUMBER OF CONTAINERS
MW5	5/5/06	1020	Water																														✓						2
MW4	5/5/06	1120	Water																														✓						2
MW6	5/5/06	1225	Water																														✓						2
MW1	5/5/06	1325	Water																														✓						2
MW2	5/5/06	1415	Water																														✓						2
MW8	5/5/06	1520	Water																														✓						2
MW7	5/5/06	1615	Water																														✓						2

LAB INFORMATION

Lab Name: [illegible]

Lab Address: [illegible]

Via: Fed Ex

SAMPLE RECEIPT

Total Number of Containers:	14
Chain-of-Custody Seals: Y/N/NA	
Intact?: Y/N/NA	
Received in Good Condition/Cold:	

Turn Around Time: ☒ Standard ☐24 hr. ☐48 hr. ☐72 hr. ☐1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Mary Lou Fox Time: 1630	Signature: Time:	Signature: Time:
Printed Name: Mary Lou Fox Date: 5/8/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

CDM

CHAIN-OF-CUSTODY

Date 5/9/06 Page 1 of 1

PROJECT INFORMATION

Project Manager: Dan McNeill

Project Name: Lakeview

Project Number: 0001 47522

Site Location: Seattle Sampled By: DM

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)

Disposal Method:

Disposed by: Disposal Date:

QC INFORMATION (check one)

☐SW-846 ☐CLP ☐Screening ☐CDM Std. ☐Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	PETROLEUM HYDROCARBONS: TPH-HCID State:	TPH-G State:	TPH-D State:	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	ORGANIC COMPOUNDS: 8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8240 GC/MS Volatiles	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	PESTS/PCBs: 8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	METALS: Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	LEACHING TESTS: TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	OTHER: DOA						NUMBER OF CONTAINERS
MW3	5/9/06	0845	Water																															✓						2
MW12	5/9/06	1450	Water																															✓						2
LC6	5/9/06	1100	Water																															✓						3
LC3	5/9/06	1105	Water																															✓						3
LC1	5/9/06	1245	Water																															✓						2
LC4	5/9/06	1345	Water																															✓						3
LC2	5/9/06	1400	Water																															✓						3
LC5	5/9/06	1430	Water																															✓						2

LAB INFORMATION

Lab Name: TDMS Lab U

Lab Address: Dept of Ecology

MS 7710 Seattle

Via: FedEx

SAMPLE RECEIPT

Total Number of Containers:

Chain-of-Custody Seals: Y/N/NA

Intact?: Y/N/NA

Received in Good Condition/Cold:

Turn Around Time: ☑ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Dan McNeill Date: 5/9/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

CDM

CHAIN-OF-CUSTODY

Date 5/9/06 Page 2 of 2

PROJECT INFORMATION

Project Manager: [illegible]

Project Name: [illegible]

Project Number: [illegible]

Site Location: [illegible] Sampled By: PM

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)

Disposal Method: _____

Disposed by: _____ Disposal Date: _____

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
LCP	5/9/06	1700	WATER	

PETROLEUM HYDROCARBONS	ORGANIC COMPOUNDS	PESTS/PCBs	METALS	LEACHING TESTS	OTHER	
TPH-HCID State:	8010 Halogenated VOCs	8080 OC Pest/PCBs	Selected Metals: list	TCLP - Volatiles (ZHE)	DW	NUMBER OF CONTAINERS
TPH-G State:	8020 Aromatic VOCs	8080M PCBs only	Organic Lead (Ca)	TCLP - Semivolatiles		
TPH-D State:	8020M - BETX only	8140 OP Pesticides	TCL Metals (23)	TCLP - Pesticides		
TPH-418.1 State:	8240 GC/MS Volatiles	8150 OC Herbicides	Priority Poll. Metals (13)	TCLP - Metals		
8015M Fuel Hydrocarbon	8270 GC/MS Semivolatiles	DWS - Herb/Pest	DWS - Metals			
TPH Special Instructions	8310 PAHs		MFSP - Metals (Wa)			
	8040 Phenols					
	DWS - Volatiles and Semivolatiles					

CDM

CHAIN-OF-CUSTODY

Date 5/10/06 Page 1 of 1

PROJECT INFORMATION

Project Manager: Pam Morrill

Project Name: Leather Case

Project Number: 38057-47522

Site Location: Seattle Sampled By: PJM

DISPOSAL INFORMATION

☑ Lab Disposal (return if not indicated)

Disposal Method: _____

Disposed by: _____ Disposal Date: _____

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	PETROLEUM HYDROCARBONS: TPH-HCID State:	TPH-G State:	TPH-D State:	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	ORGANIC COMPOUNDS: 8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8240 GC/MS Volatiles	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	PESTS/PCBs: 8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	METALS: Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	LEACHING TESTS: TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	OTHER: DNA						NUMBER OF CONTAINERS
G13	5/10/06	1045	water																														✓						2
GT1	5/10/06	1245	water																														✓						2
CT2	5/10/06	1135	water																														✓						1

LAB INFORMATION

Lab Name: Idaho State U

Lab Address: Pocatello ID

Via: Fed Ex

SAMPLE RECEIPT

Total Number of Containers:

Chain-of-Custody Seals: Y/N/NA

Intact?: Y/N/NA

Received in Good Condition/Cold:

Turn Around Time: ☑ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Mary Lou Fox 1630 Time:	Signature: Time:	Signature: Time:
Printed Name: Mary Lou Fox Date: 5/10/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:



Received
JUN 19 2006
CDM

Client Name: Camp Dresser and McKee
Contact: Pam Morrill
Address: 11811 Northeast First Street
Suite 201
Bellevue, WA 98055

Page: Page 1 of 4
Lab Proj #: P0605117
Report Date: 06/15/06
Client Proj Name: Leathercare
Client Proj #: 38057-47522

Laboratory Results

Total pages in data package: 5

Lab Sample #	Client Sample ID
P0605117-01	LC1-8
P0605117-02	LC5-8-11
P0605117-03	LC6-8

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Debbie Hallo

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: Camp Dresser and McKee
Contact: Pam Morrill
Address: 11811 Northeast First Street
Suite 201
Bellevue, WA 98055

Lab Proj #: P0605117
Report Date: 06/15/06
Client Proj Name: Leathercare
Client Proj #: 38057-47522

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC1-8	Solid	P0605117-01	03 May. 06 17:05	05 May. 06 14:07

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
WetChem						
Bio-Available Ferric Iron	<5.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Bio-Available Manganese	<5.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Oxidized Iron	238.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Others						
Percent Solids	64	1	%	160.3	6/5/06	dp

N - NELAC certified analysis

Client Name: Camp Dresser and McKee
Contact: Pam Morrill
Address: 11811 Northeast First Street
Suite 201
Bellevue, WA 98055

Lab Proj #: P0605117
Report Date: 06/15/06
Client Proj Name: Leathercare
Client Proj #: 38057-47522

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC5-8-11	Solid	P0605117-02	04 May. 06 11:20	05 May. 06 14:07

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
WetChem						
Bio-Available Ferric Iron	1350.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Bio-Available Manganese	<5.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Oxidized Iron	<5.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Others						
Percent Solids	70	1	%	160.3	6/5/06	dp

N - NELAC certified analysis

Client Name: Camp Dresser and McKee
Contact: Pam Morrill
Address: 11811 Northeast First Street
Suite 201
Bellevue, WA 98055

Lab Proj #: P0605117
Report Date: 06/15/06
Client Proj Name: Leathercare
Client Proj #: 38057-47522

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC6-8	Solid	P0605117-03	04 May. 06 12:50	05 May. 06 14:07

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
WetChem						
Bio-Available Ferric Iron	<5.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Bio-Available Manganese	<5.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Oxidized Iron	533.0	5.0	mg/Kg	BAFeIII	5/15/06	md
Others						
Percent Solids	68	1	%	160.3	6/5/06	dp

N - NELAC certified analysis

CDM Q060517

CHAIN-OF-CUSTODY

Date 5/4/06 Page 1 of 1

PROJECT INFORMATION

Project Manager: Pam Morris

Project Name: Leatherwood

Project Number: 38057-417522

Site Location: Oak Hill Sampled By: PJM

DISPOSAL INFORMATION

☑ Lab Disposal (return if not indicated)

Disposal Method: _____

Disposed by: _____ Disposal Date: _____

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	PETROLEUM HYDROCARBONS: TPH-HCID State:	TPH-G State:	TPH-D State:	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	ORGANIC COMPOUNDS: 8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8240 GC/MS Volatiles	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	PESTS/PCBs: 8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	METALS: Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	LEACHING TESTS: TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	OTHER: 8260 VOC						NUMBER OF CONTAINERS
LC1-2'	5/3/06	1705	Soil																															X						1
LC5-X'11'	5/4/06	1215	Soil																															X						1
LC6-3	5/4/06	1250	Soil																															X						1

LAB INFORMATION

Lab Name: Microseeps

Lab Address: Pittsburgh PA

Via: FedEx

SAMPLE RECEIPT

Total Number of Containers:

Chain-of-Custody Seals: Y/N/NA

Intact?: Y/N/NA

Received in Good Condition/Cold:

Turn Around Time: ☑ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Pamela J Morris Time: 1315	Signature: Time:	Signature: Time:
Printed Name: Pamela J Morris Date: 5/4/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 1407	Signature: Time:	Signature: Time:
Printed Name: Date: 5/5/06	Printed Name: Date:	Printed Name: Date:
Company: Microseeps	Company:	Company:

Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 15, 2006

Received
JUN 19 2006
CDM

Ms. Pam Morrill
CDM
11811 NE 1st, Suite 201
Bellevue, WA 98009

RE: Project ID: 38057-47522 Leathercare
ARI Job No: JK61 (Relog of JI38 & JI39)

Dear Pam:

Please find enclosed the original chain of custody documentation (COCs) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) originally accepted these soil samples on May 4th and 5th, 2006. The samples were received in good condition with no discrepancies in paperwork. Samples jars were originally used for VOA total solids in association with samples collected via method 5035.

The samples were analyzed for TOC (total organic carbon) as per client request by telephone between Sue Dunnihoo and Pam Morrill on 6/1/2006.

There were no anomalies associated with this set of samples.

A copy of these reports and the supporting data will remain on file electronically with ARI. If you have any questions or require additional information, please contact Sue Dunnihoo at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Eric Branson
Client Services Representative
-for-
Sue Dunnihoo
Project Manager/Client Services Manager
Phone: 206-695-6207
sue@arilabs.com

cc: Efile JK61

Enclosures

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 5138	Turn-around Requested: std - 2 week	Page: 1 of 1	
ARI Client Company: CDM	Phone: 425-453-8383	Date: 5/4/06	Ice Present? YES
Client Contact: Pam Morrill		No. of Coolers: 1	Cooler Temps: 1.8
Client Project Name: Leathercare			
Client Project #: 38057-47522	Samplers: PSM & MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Hal Ethers, Halogen Ated Volatiles 8260B								Notes/Comments
LC1-2'	5/3/06	1700	soil	4	✓								
LC2-4.5'	5/3/06	1845	soil	4	✓								
LC4-6'	5/4/06	0925	soil	4	✓								
LC5-2.5'	5/4/06	1100	soil	4	✓								
LC6-2.5'	5/4/06	1235	soil	4	✓								
LC3-2.5'	5/4/06	1415	soil	5	✓								

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Mary Lou Fox	Printed Name: Eric Branson	Printed Name:	Printed Name:
	Company: ARI	Company: ARI	Company:	Company:
	Date & Time: 5/4/06 1652	Date & Time: 5/4/06 1652	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: JI39	Turn-around Requested: std 2 wk	Page: 1 of 1	
ARI Client Company: COM	Phone:	Date: 5/5/06	Ice Present? YES
Client Contact: Pam Morrill		No. of Coolers:	Cooler Temps: 3.4
Client Project Name: Leatherecare			
Client Project #: 36057-47522	Samplers: PAM & MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: Halocarbons 8260B VOAs	Notes/Comments
GT2-2'	5/5/06	0940	soil	4	✓	
GT1-6'	5/5/06	1115	soil	4	✓	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Mary Lou Fox	Printed Name: Eric Branson	Printed Name:	Printed Name:
	Company: COM	Company: ARI	Company:	Company:
	Date & Time: 5/5/06 1735	Date & Time: 5/5/06 1735	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

CHANGE ORDER

JK61

Client: CDM	
Project No: Leathercare	

ARI Job No: ~~J238~~ & JI39	
VTSR: 5/4 - 5/5	Change order Date: 6/1

ANALYTICAL RESOURCES INCORPORATED

Change made by: Pam	
Submitted by: Sue	

Distribution

PM:
Extractions:
Volatiles:
GC Lab:
Metals:
Conventionals:
Geotech:

Pull VOA TS bottle for FOUR SAMPLES attached samples & log for TOC

SHORT HOLD TIME

SAMPLE RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Client ID: LC1-2'
ARI ID: 06-9036 JK61A

Analyte	Date	Method	Units	RL	Sample
Total Solids	06/01/06 060106#1	EPA 160.3	Percent	0.01	87.50
Total Organic Carbon	06/05/06 060506#1	Plumb,1981	Percent	0.020	0.150

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Client ID: LC2-4.5'
ARI ID: 06-9037 JK61B

Analyte	Date	Method	Units	RL	Sample
Total Solids	06/01/06 060106#1	EPA 160.3	Percent	0.01	80.90
Total Organic Carbon	06/05/06 060506#1	Plumb,1981	Percent	0.020	0.230

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/04/06
Date Received: 05/04/06

Client ID: LC4-6'
ARI ID: 06-9038 JK61C

Analyte	Date	Method	Units	RL	Sample
Total Solids	06/01/06 060106#1	EPA 160.3	Percent	0.01	80.30
Total Organic Carbon	06/05/06 060506#1	Plumb,1981	Percent	0.020	0.136

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/05/06
Date Received: 05/05/06

Client ID: GT1-6'
ARI ID: 06-9039 JK61D

Analyte	Date	Method	Units	RL	Sample
Total Solids	06/01/06 060106#1	EPA 160.3	Percent	0.01	86.20
Total Organic Carbon	06/05/06 060506#1	Plumb,1981	Percent	0.020	0.129

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	06/01/06	Percent	< 0.01 U
Total Organic Carbon	06/05/06	Percent	< 0.020 U

REPLICATE RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JK61B Client ID: LC2-4.5'					
Total Solids	06/01/06	Percent	80.90	80.90 79.10	1.3%
Total Organic Carbon	06/05/06	Percent	0.230	0.190 0.208	9.6%

MS/MSD RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JK61B Client ID: LC2-4.5'						
Total Organic Carbon	06/05/06	Percent	0.230	0.900	0.653	102.6%

LAB CONTROL RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	06/05/06	Percent	0.513	0.500	102.6%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JK61-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 06/12/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	06/05/06	Percent	3.13	3.35	93.4%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 1, 2006

Ms. Pam Morrill
CDM
11811 NE 1st, Suite 201
Bellevue, WA 98009

RE: Project ID: 38057-47522 Leathercare
ARI Job No: JI38

Dear Pam:

Please find enclosed the original chain of custody documentation (COCs) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) accepted six soil samples and one Trip Blank on May 4, 2006. The samples were received in good condition with no discrepancies in paperwork, with the exception that the Trip Blank was not listed on the COC. Samples were taken using 5035 sampling techniques.

The samples were analyzed for volatile organic compounds 8260B as instructed on the COC, for a short list of compounds, confirmed by telephone between Sue Dunnihoo and Pam Morrill.

Because of unusual samples foaming during the purge, the soil instrument was compromised before analyses were completed. Sample LC2-4.5' was run at medium level on the water instrument, and rerun at low levels outside holding times, once the soil instrument was functional. Results for the two analyses vary greatly, thought to be due to the discreet sampling method required. The difference between Methanol and sodium bisulfate might be a factor for samples with high content of organic matter. Acceptable surrogate recoveries for both levels of analysis indicate that this is not an issue.

There were no other anomalies associated with this set of samples.

A copy of these reports and the supporting data will remain on file electronically with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan D. Dunnihoo
Project Manager
Phone: 206-695-6207
sue@arilabs.com

Enclosures

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 5138	Turn-around Requested: std - 2 week	Page: 1 of 1	
ARI Client Company: CDM	Phone: 425-453-8383	Date: 5/4/06	Ice Present? YES
Client Contact: Pam Morrill		No. of Coolers: 1	Cooler Temps: 1.8
Client Project Name: Lezthercare			
Client Project #: 38057-47522	Samplers: PSM & MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Halogenated Volatiles 8260B	Notes/Comments
LC1-2'	5/3/06	1700	soil	4	✓	
LC2-4.5'	5/3/06	1845	soil	4	✓	
LC4-6'	5/4/06	0925	soil	4	✓	
LC5-2.5'	5/4/06	1100	soil	4	✓	
LC6-2.5'	5/4/06	1235	soil	4	✓	
LC3-2.5'	5/4/06	1415	soil	5	✓	

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) Mary Lou Fox	(Signature) Eric Branson	(Signature)	(Signature)
	Printed Name: Mary Lou Fox	Printed Name: ERIC BRANSON	Printed Name:	Printed Name:
	Company: ARI	Company: ARI	Company:	Company:
	Date & Time: 5/4/06 1652	Date & Time: 5/4/06 1652	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC1-2'**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JI38A
LIMS ID: 06-7751
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Instrument/Analyst: FINN5/JLM
Date Analyzed: 05/16/06 22:44

Sample Amount: 4.69 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 13.7%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.1	< 1.1	U
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	**cis-1,2-Dichloroethene**	**1.1**	**5.1**	
79-01-6	**Trichloroethene**	**1.1**	**15**	
127-18-4	**Tetrachloroethene**	**1.1**	**110**	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	108%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC2-4.5'
  SAMPLE

Lab Sample ID: JI38B
LIMS ID: 06-7752
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Instrument/Analyst: NT3/JLM
Date Analyzed: 05/17/06 21:07

Sample Amount: 58.4 mg-dry-wt
Purge Volume: 5.0 mL
Moisture: 18.9%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	86	< 86	U
75-35-4	1,1-Dichloroethene	86	< 86	U
156-60-5	trans-1,2-Dichloroethene	86	< 86	U
156-59-2	**cis-1,2-Dichloroethene**	**86**	**190**	
79-01-6	Trichloroethene	86	< 86	U
127-18-4	Tetrachloroethene	86	< 86	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	101%
Bromofluorobenzene	98.7%
d4-1,2-Dichlorobenzene	111%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC2-4.5'**
Page 1 of 1 **REANALYSIS**

Lab Sample ID: JI38B
LIMS ID: 06-7752
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/03/06
Date Received: 05/04/06

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 17:15

Sample Amount: 4.05 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 18.9%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.2	< 1.2	U
75-35-4	1,1-Dichloroethene	1.2	< 1.2	U
156-60-5	trans-1,2-Dichloroethene	1.2	< 1.2	U
156-59-2	**cis-1,2-Dichloroethene**	**1.2**	**7.6**	
79-01-6	**Trichloroethene**	**1.2**	**1.5**	
127-18-4	**Tetrachloroethene**	**1.2**	**4.0**	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	89.9%
Bromofluorobenzene	91.7%
d4-1,2-Dichlorobenzene	95.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC4-6'
  SAMPLE

Lab Sample ID: JI38C
LIMS ID: 06-7753
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/04/06
Date Received: 05/04/06

Instrument/Analyst: FINN5/JLM
Date Analyzed: 05/16/06 23:42

Sample Amount: 3.92 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 19.5%

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	1.3	2.0	M
75-35-4	1,1-Dichloroethene	1.3	< 1.3	U
156-60-5	trans-1,2-Dichloroethene	1.3	< 1.3	U
156-59-2	**cis-1,2-Dichloroethene**	1.3	3.4	
79-01-6	**Trichloroethene**	1.3	7.0	
127-18-4	**Tetrachloroethene**	1.3	12	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	109%
Bromofluorobenzene	99.4%
d4-1,2-Dichlorobenzene	108%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC5-2.5'**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JI38D
LIMS ID: 06-7754
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/04/06
Date Received: 05/04/06

Instrument/Analyst: FINN5/JLM
Date Analyzed: 05/17/06 00:11

Sample Amount: 4.58 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 10.5%

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**1.1**	**1.5**	
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	**cis-1,2-Dichloroethene**	**1.1**	**6.2**	
79-01-6	**Trichloroethene**	**1.1**	**3.4**	
127-18-4	**Tetrachloroethene**	**1.1**	**19**	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	110%
Bromofluorobenzene	104%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC6-2.5'
  SAMPLE

Lab Sample ID: JI38E
LIMS ID: 06-7755
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/04/06
Date Received: 05/04/06

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 17:42

Sample Amount: 4.23 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 15.8%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.2	< 1.2	U
75-35-4	1,1-Dichloroethene	1.2	< 1.2	U
156-60-5	trans-1,2-Dichloroethene	1.2	< 1.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	< 1.2	U
79-01-6	Trichloroethene	1.2	< 1.2	U
127-18-4	**Tetrachloroethene**	1.2	2.5	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	116%
d8-Toluene	91.1%
Bromofluorobenzene	90.9%
d4-1,2-Dichlorobenzene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC3-2.5'**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JI38F
LIMS ID: 06-7756
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/04/06
Date Received: 05/04/06

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 21:39

Sample Amount: 4.47 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 12.6%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.1	< 1.1	U
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	< 1.1	U
79-01-6	Trichloroethene	1.1	< 1.1	U
127-18-4	**Tetrachloroethene**	**1.1**	**2.2**	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	93.7%
Bromofluorobenzene	97.4%
d4-1,2-Dichlorobenzene	96.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 1 of 1

Sample ID: TRIP BLANK SAMPLE

Lab Sample ID: JI38G
LIMS ID: 06-7757
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare 38057-47522
Date Sampled: 03/08/06
Date Received: 05/04/06

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 16:41

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	90.4%
Bromofluorobenzene	92.1%
d4-1,2-Dichlorobenzene	97.3%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: JI38-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	Level	DCE	TOL	BFB	DCB	TOT OUT
MB-051606	Method Blank	Low	111%	108%	107%	105%	0
LCS-051606	Lab Control	Low	96.1%	106%	103%	103%	0
LCSD-051606	Lab Control Dup	Low	97.6%	105%	107%	104%	0
JI38A	LC1-2'	Low	100%	108%	101%	106%	0
MB-051706	Method Blank	Med	91.9%	98.3%	96.0%	107%	0
LCS-051706	Lab Control	Med	93.1%	103%	103%	99.1%	0
LCSD-051706	Lab Control Dup	Med	95.9%	108%	108%	107%	0
JI38B	LC2-4.5'	Med	100%	101%	98.7%	111%	0
JI38BDL	LC2-4.5'	Low	102%	89.9%	91.7%	95.1%	0
JI38C	LC4-6'	Low	100%	109%	99.4%	108%	0
JI38D	LC5-2.5'	Low	102%	110%	104%	105%	0
JI38E	LC6-2.5'	Low	116%	91.1%	90.9%	100%	0
MB-051806	Method Blank	Low	102%	92.7%	96.5%	97.4%	0
LCS-051806	Lab Control	Low	90.2%	93.0%	95.6%	92.9%	0
LCSD-051806	Lab Control Dup	Low	95.1%	94.3%	99.3%	97.6%	0
JI38F	LC3-2.5'	Low	107%	93.7%	97.4%	96.3%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260B	Low	Med	Low	Med
(DCE) = d4-1,2-Dichloroethane	68-140	71-131	67-161	66-146
(TOL) = d8-Toluene	84-116	80-116	82-118	86-123
(BFB) = Bromofluorobenzene	79-114	82-114	63-122	82-130
(DCB) = d4-1,2-Dichlorobenzene	77-113	84-116	74-112	90-112

Log Number Range: 06-7751 to 06-7756

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI38-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
JI38G	TRIP BLANK	5	100%	90.4%	92.1%	97.3%	0

SW8260B	LCS/MB LIMITS 5mL Purge	LCS/MB LIMITS 20mL Purge	QC LIMITS 5mL Purge	QC LIMITS 20mL Purge
(DCE) = d4-1,2-Dichloroethane	70-134	63-127	66-142	66-139
(TOL) = d8-Toluene	78-123	77-117	75-124	82-123
(BFB) = Bromofluorobenzene	78-121	68-116	75-121	71-113
(DCB) = d4-1,2-Dichlorobenzene	79-116	79-113	78-124	84-125

Prep Method: SW5030B
Log Number Range: 06-7757 to 06-7757

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-051606**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-051606
LIMS ID: 06-7751
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN5/JLM
LCSD: FINN5/JLM
Date Analyzed LCS: 05/16/06 17:46
LCSD: 05/16/06 18:29

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	57.6	50.0	115%	58.6	50.0	117%	1.7%
1,1-Dichloroethene	53.3	50.0	107%	54.5	50.0	109%	2.2%
trans-1,2-Dichloroethene	54.4	50.0	109%	54.9	50.0	110%	0.9%
cis-1,2-Dichloroethene	52.8	50.0	106%	53.6	50.0	107%	1.5%
Trichloroethene	58.0	50.0	116%	55.8	50.0	112%	3.9%
Tetrachloroethene	58.0	50.0	116%	58.3	50.0	117%	0.5%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	96.1%	97.6%
d8-Toluene	106%	105%
Bromofluorobenzene	103%	107%
d4-1,2-Dichlorobenzene	103%	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-051706
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-051706
LIMS ID: 06-7752
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT3/JLM
LCSD: NT3/JLM
Date Analyzed LCS: 05/17/06 10:07
LCSD: 05/17/06 10:34

Sample Amount LCS: 100 mg-dry-wt
LCSD: 100 mg-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	2360	2500	94.4%	2540	2500	102%	7.3%
1,1-Dichloroethene	2260	2500	90.4%	2320	2500	92.8%	2.6%
trans-1,2-Dichloroethene	2230	2500	89.2%	2300	2500	92.0%	3.1%
cis-1,2-Dichloroethene	2180	2500	87.2%	2300	2500	92.0%	5.4%
Trichloroethene	2150	2500	86.0%	2300	2500	92.0%	6.7%
Tetrachloroethene	2380	2500	95.2%	2500	2500	100%	4.9%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	93.1%	95.9%
d8-Toluene	103%	108%
Bromofluorobenzene	103%	108%
d4-1,2-Dichlorobenzene	99.1%	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-051806**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-051806
LIMS ID: 06-7756
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN1/JLM
LCSD: FINN1/JLM
Date Analyzed LCS: 05/18/06 15:07
LCSD: 05/18/06 15:42

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	43.6	50.0	87.2%	42.8	50.0	85.6%	1.9%
1,1-Dichloroethene	48.2	50.0	96.4%	46.9	50.0	93.8%	2.7%
trans-1,2-Dichloroethene	48.2	50.0	96.4%	48.2	50.0	96.4%	0.0%
cis-1,2-Dichloroethene	49.8	50.0	99.6%	48.4	50.0	96.8%	2.9%
Trichloroethene	47.8	50.0	95.6%	46.3	50.0	92.6%	3.2%
Tetrachloroethene	53.9	50.0	108%	53.6	50.0	107%	0.6%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	90.2%	95.1%
d8-Toluene	93.0%	94.3%
Bromofluorobenzene	95.6%	99.3%
d4-1,2-Dichlorobenzene	92.9%	97.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MB-051606
  METHOD BLANK

Lab Sample ID: MB-051606
LIMS ID: 06-7751
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN5/JLM
Date Analyzed: 05/16/06 19:21

Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	111%
d8-Toluene	108%
Bromofluorobenzene	107%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-051706**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-051706
LIMS ID: 06-7752
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT3/JLM
Date Analyzed: 05/17/06 11:01

Sample Amount: 100 mg-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	50	< 50	U
75-35-4	1,1-Dichloroethene	50	< 50	U
156-60-5	trans-1,2-Dichloroethene	50	< 50	U
156-59-2	cis-1,2-Dichloroethene	50	< 50	U
79-01-6	Trichloroethene	50	< 50	U
127-18-4	Tetrachloroethene	50	< 50	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	91.9%
d8-Toluene	98.3%
Bromofluorobenzene	96.0%
d4-1,2-Dichlorobenzene	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MB-051806
  METHOD BLANK

Lab Sample ID: MB-051806
LIMS ID: 06-7756
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JI38-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 16:08

Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U

Reported in µg/kg (ppb)

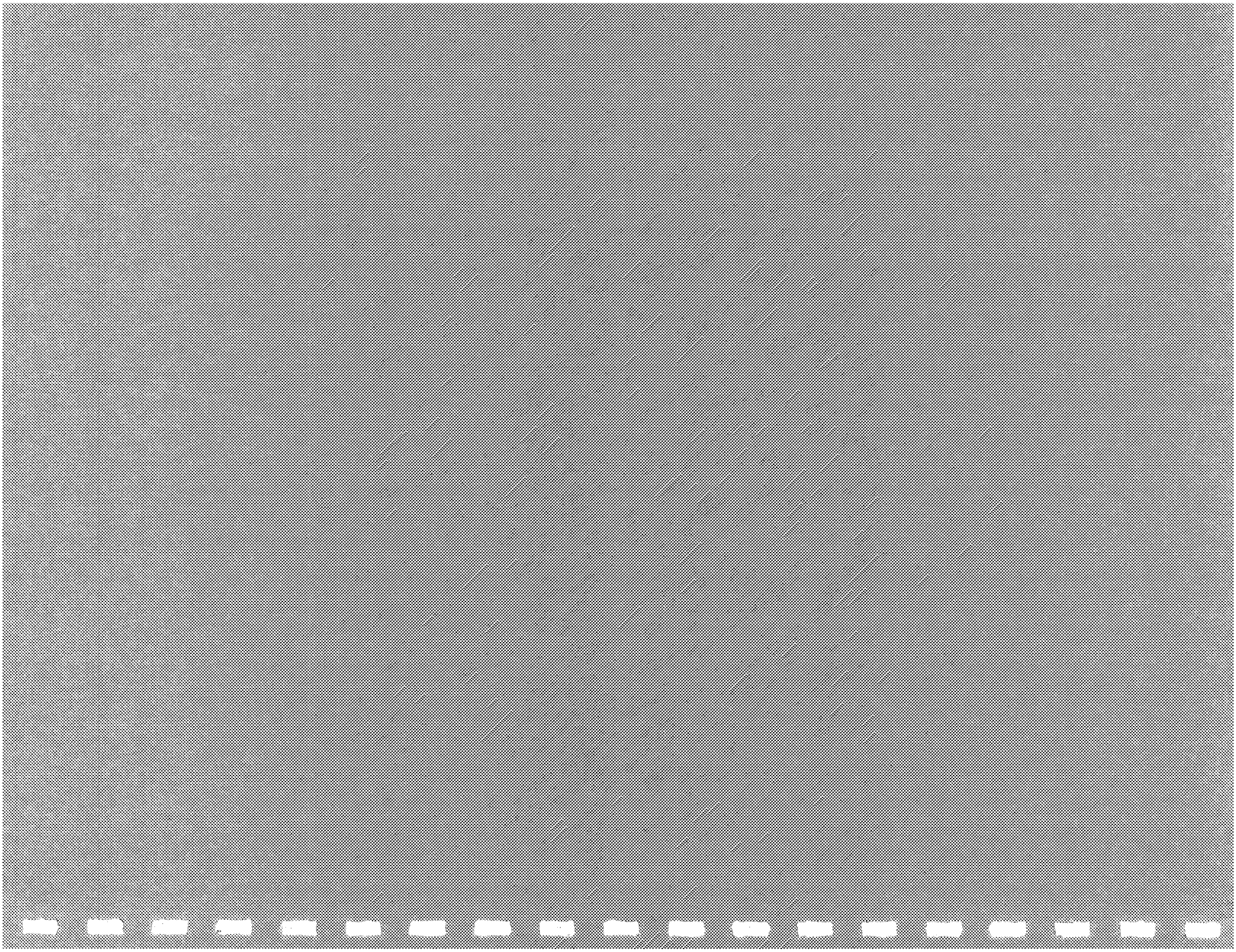
Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	92.7%
Bromofluorobenzene	96.5%
d4-1,2-Dichlorobenzene	97.4%

Volatiles Total Solids-voats
Data By: Jean Muramoto
Created: 5/21/06

Worklist: 571
Analyst: JLM
Comments:

ARI ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids
1. JI38A 06-7751	1.44	14.66	12.85	86.31
2. JI38B 06-7752	1.62	16.68	13.83	81.08
3. JI38C 06-7753	1.41	11.40	9.45	80.48
4. JI38D 06-7754	1.34	13.67	12.37	89.46
5. JI38E 06-7755	1.65	20.83	17.80	84.20
6. JI38F 06-7756	1.30	16.85	14.89	87.40



Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 2, 2006

Ms. Pam Morrill
CDM
11811 NE 1st, Suite 201
Bellevue, WA 98009

RE: Project ID: 38057-47522 Leathercare
ARI Job No: JI39

Dear Pam:

Please find enclosed the original chain of custody documentation (COCs) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) accepted two soil samples on May 5, 2006. The samples were received in good condition with no discrepancies in paperwork,. Samples were taken using 5035 sampling techniques.

The samples were analyzed for volatile organic compounds 8260B as instructed on the COC, for a short list of compounds, confirmed by telephone between Sue Dunnihoo and Pam Morrill.

There were no other anomalies associated with this set of samples.

A copy of these reports and the supporting data will remain on file electronically with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan D. Dunnihoo
Project Manager
Phone: 206-695-6207
sue@arilabs.com

cc: Efile JI39

Enclosures

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: SI39	Turn-around Requested: std 2-wk	Page: 1 of 1	
ARI Client Company: CDM	Phone:	Date: 5/5/06	Ice Present? YES
Client Contact: Pam Morrill		No. of Coolers:	Cooler Temps: 3.4
Client Project Name: Leatherecare			
Client Project #: 36657-47522	Samplers: PAM & MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: Hold/Forward VOAs 8260B	Notes/Comments
GT2-2'	5/5/06	0940	soil	4	✓	
GT1-6'	5/5/06	1115	soil	4	✓	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Mary Lou Fox	Printed Name: ERIC BRANSON	Printed Name:	Printed Name:
	Company: CDM	Company: ARI	Company:	Company:
	Date & Time: 5/5/06 1735	Date & Time: 5/5/06 1735	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT2-2'**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JI39A
LIMS ID: 06-7758
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI39-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/05/06
Date Received: 05/05/06

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 20:46

Sample Amount: 5.16 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 10.7%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
156-60-5	**trans-1,2-Dichloroethene**	**1.0**	**9.4**	
156-59-2	**cis-1,2-Dichloroethene**	**1.0**	**24**	
79-01-6	**Trichloroethene**	**1.0**	**14**	
127-18-4	**Tetrachloroethene**	**1.0**	**2.4**	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	112%
d8-Toluene	90.2%
Bromofluorobenzene	94.2%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT1-6'
  SAMPLE

Lab Sample ID: JI39B
LIMS ID: 06-7759
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI39-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/05/06
Date Received: 05/05/06

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 21:13

Sample Amount: 4.49 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 14.6%

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.1	< 1.1	U
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	< 1.1	U
79-01-6	Trichloroethene	1.1	< 1.1	U
127-18-4	Tetrachloroethene	1.1	< 1.1	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	118%
d8-Toluene	91.9%
Bromofluorobenzene	98.9%
d4-1,2-Dichlorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: JI39-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	Level	DCE	TOL	BFB	DCB	TOT OUT
MB-051806	Method Blank	Low	102%	92.7%	96.5%	97.4%	0
LCS-051806	Lab Control	Low	90.2%	93.0%	95.6%	92.9%	0
LCSD-051806	Lab Control Dup	Low	95.1%	94.3%	99.3%	97.6%	0
JI39A	GT2-2'	Low	112%	90.2%	94.2%	103%	0
JI39B	GT1-6'	Low	118%	91.9%	98.9%	101%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260B	Low	Med	Low	Med
(DCE) = d4-1,2-Dichloroethane	68-140	71-131	67-161	66-146
(TOL) = d8-Toluene	84-116	80-116	82-118	86-123
(BFB) = Bromofluorobenzene	79-114	82-114	63-122	82-130
(DCB) = d4-1,2-Dichlorobenzene	77-113	84-116	74-112	90-112

Log Number Range: 06-7758 to 06-7759

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-051806
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-051806
LIMS ID: 06-7758
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI39-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN1/JLM
LCSD: FINN1/JLM
Date Analyzed LCS: 05/18/06 15:07
LCSD: 05/18/06 15:42

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	43.6	50.0	87.2%	42.8	50.0	85.6%	1.9%
1,1-Dichloroethene	48.2	50.0	96.4%	46.9	50.0	93.8%	2.7%
trans-1,2-Dichloroethene	48.2	50.0	96.4%	48.2	50.0	96.4%	0.0%
cis-1,2-Dichloroethene	49.8	50.0	99.6%	48.4	50.0	96.8%	2.9%
Trichloroethene	47.8	50.0	95.6%	46.3	50.0	92.6%	3.2%
Tetrachloroethene	53.9	50.0	108%	53.6	50.0	107%	0.6%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	90.2%	95.1%
d8-Toluene	93.0%	94.3%
Bromofluorobenzene	95.6%	99.3%
d4-1,2-Dichlorobenzene	92.9%	97.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-051806**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-051806
LIMS ID: 06-7758
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI39-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN1/JLM
Date Analyzed: 05/18/06 16:08

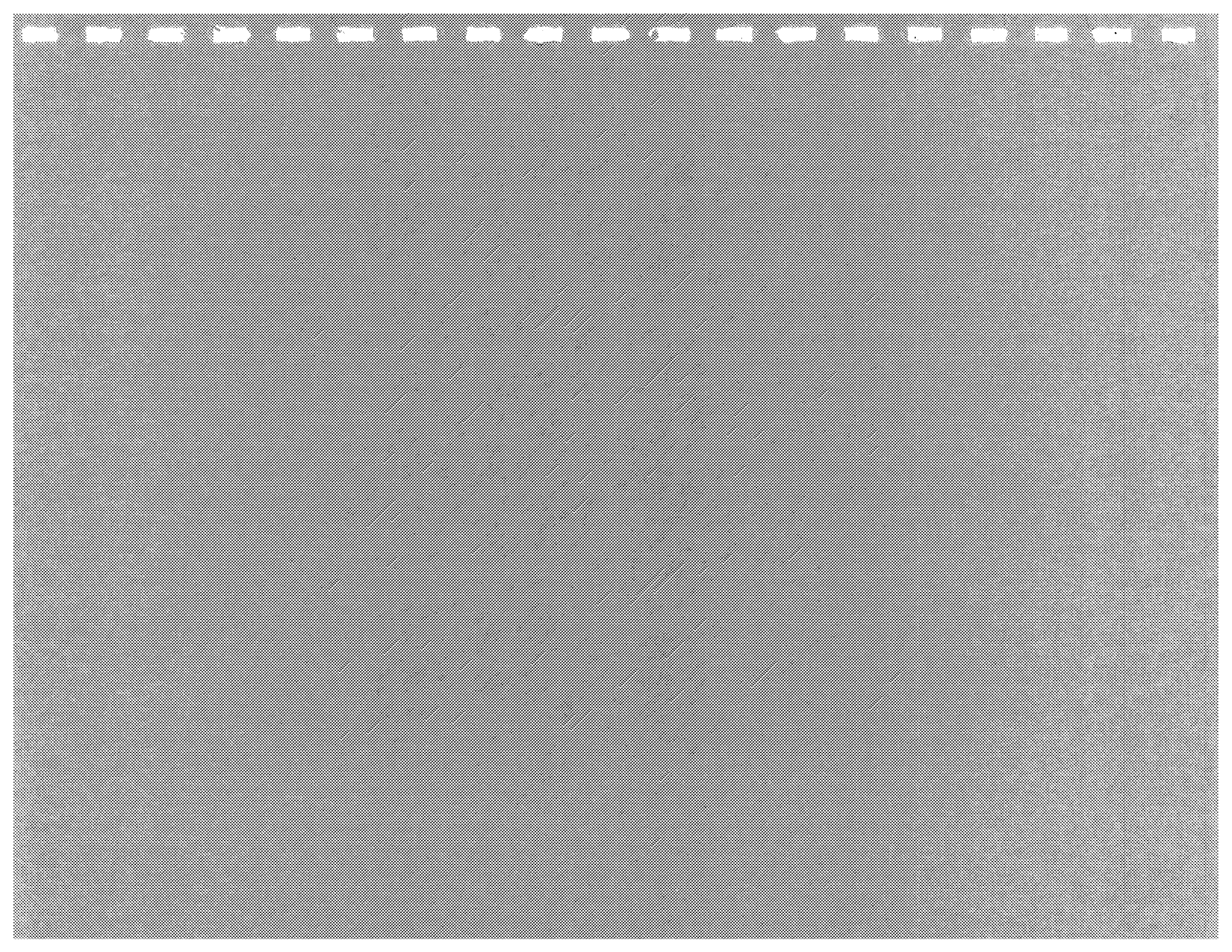
Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	92.7%
Bromofluorobenzene	96.5%
d4-1,2-Dichlorobenzene	97.4%



Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 2, 2006

Ms. Pam Morrill
CDM
11811 NE 1st, Suite 201
Bellevue, WA 98009

RE: Project ID: 38057-47522 Leathercare
ARI Job No: JI53

Dear Pam:

Please find enclosed the original chain of custody documentation (COCs) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) accepted seven water samples on May 8, 2006. The samples were received in good condition with no discrepancies in paperwork.

The samples were analyzed for volatile organic compounds 8260B, Diesel by NWTPHDx, Dissolved Gases by RSK-175 and a set of conventional parameters as instructed on the COC. Volatile samples analyses following low level methods were completed with no issues, so follow-up by 8260-SIM for Vinyl Chloride was unnecessary.

There were no anomalies associated with this set of samples.

Diesel chromatograms have been included for your inspection.

A copy of these reports and the supporting data will remain on file electronically with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan D. Dunnihoo
Project Manager
Phone: 206-695-6207
sue@arilabs.com

cc: Efile JI53

Enclosures

CDM

3.8/5.6/5.2

JI 53 Ice - yes

CHAIN-OF-CUSTODY

Date 5/8/06 Page 1 of 1

PROJECT INFORMATION

Project Manager: Pam Morrill
Project Name: Leatherecare
Project Number: 38057-47522
Site Location: Seattle Sampled By: PSM

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)
Disposal Method:
Disposed by: Disposal Date:

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	PETROLEUM HYDROCARBONS: TPH-HCID State:	TPH-G State:	TPH-D x State: NW	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	ORGANIC COMPOUNDS: 8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8240 GC/MS Volatiles (20-mL purge)	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	PESTS/PCBs: 8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	METALS: Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	LEACHING TESTS: TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	OTHER: Cl/SO4	Alk/CO3/HCO3	COD	Diss. Methane, Ethane, Ethene	NUMBER OF CONTAINERS
MW5	5/8/06	1020	Water				✓																											✓	✓	✓	✓	12
MW4	5/8/06	1120	Water				✓																											✓	✓	✓	✓	12
MW6	5/8/06	1225	Water				✓																											✓	✓	✓	✓	12
MW1	5/8/06	1325	Water				✓																											✓	✓	✓	✓	21
MW2	5/8/06	1415	Water				✓																											✓	✓	✓	✓	12
MW8	5/8/06	1520	Water				✓																											✓	✓	✓	✓	12
MW7	5/8/06	1615	Water				✓																											✓	✓	✓	✓	12

LAB INFORMATION

Lab Name: ARI
Lab Address: 4611 S. 134th Place
Ste. 100, Tukwila, WA 98168
Via: Hand-delivered

SAMPLE RECEIPT

Total Number of Containers:
Chain-of-Custody Seals: Y/N/NA
Intact?: Y/N/NA
Received in Good Condition/Cold:

Turn Around Time: ☒ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions: Extra volume for MW1 for matrix QC. Additional VOA vials for SIM VC (.2 ppb RL) if 20-mL purge not doable for each sample.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Mary Lou Fox Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Mary Lou Fox Date: 5/8/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Eric Branson Date: 5/8/06	Printed Name: Date:	Printed Name: Date:
Company: ARI	Company:	Company:

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
JI53A	MW5	20	105%	97.2%	94.5%	104%	0
JI53B	MW4	20	105%	99.2%	96.8%	110%	0
JI53C	MW6	20	106%	102%	97.5%	98.0%	0
MB-051906	Method Blank	20	100%	98.8%	95.8%	104%	0
LCS-051906	Lab Control	20	91.8%	95.0%	92.2%	87.5%	0
LCSD-051906	Lab Control Dup	20	109%	96.5%	99.5%	93.5%	0
JI53D	MW1	20	102%	97.2%	90.5%	99.5%	0
JI53DMS	MW1	20	99.5%	91.0%	98.2%	91.0%	0
JI53DMSD	MW1	20	98.5%	95.5%	96.5%	93.5%	0
JI53E	MW2	20	102%	92.2%	94.2%	106%	0
JI53F	MW8	20	106%	101%	100%	98.2%	0
JI53G	MW7	20	108%	99.8%	102%	108%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260B	5mL Purge	20mL Purge	5mL Purge	20mL Purge
(DCE) = d4-1,2-Dichloroethane	70-134	63-127	66-142	66-139
(TOL) = d8-Toluene	78-123	77-117	75-124	82-123
(BFB) = Bromofluorobenzene	78-121	68-116	75-121	71-113
(DCB) = d4-1,2-Dichlorobenzene	79-116	79-113	78-124	84-125

Prep Method: SW5030B
Log Number Range: 06-7812 to 06-7818

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW5
  SAMPLE

Lab Sample ID: JI53A QC Report No: JI53-CDM
LIMS ID: 06-7812 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 15:12 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.2**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.8**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW5**
 SAMPLE

Lab Sample ID: JI53A
LIMS ID: 06-7812
Matrix: Water
Date Analyzed: 05/19/06 15:12

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	97.2%
Bromofluorobenzene	94.5%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW4
  SAMPLE

Lab Sample ID: JI53B QC Report No: JI53-CDM
LIMS ID: 06-7813 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 15:34 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**2.0**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.3**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW4**
Page 2 of 2 **SAMPLE**

Lab Sample ID: JI53B
LIMS ID: 06-7813
Matrix: Water
Date Analyzed: 05/19/06 15:34

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	99.2%
Bromofluorobenzene	96.8%
d4-1,2-Dichlorobenzene	110%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW6
  SAMPLE

Lab Sample ID: JI53C QC Report No: JI53-CDM
LIMS ID: 06-7814 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 16:01 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**3.2**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.4**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**2.7**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**0.4**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**1.0**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW6**
 SAMPLE

Lab Sample ID: JI53C
LIMS ID: 06-7814
Matrix: Water
Date Analyzed: 05/19/06 16:01

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	102%
Bromofluorobenzene	97.5%
d4-1,2-Dichlorobenzene	98.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW1
  SAMPLE

Lab Sample ID: JI53D QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 11:55 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.4**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**3.1**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**1.5**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**4.1**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW1**
 SAMPLE

Lab Sample ID: JI53D
LIMS ID: 06-7815
Matrix: Water
Date Analyzed: 05/19/06 11:55

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	97.2%
Bromofluorobenzene	90.5%
d4-1,2-Dichlorobenzene	99.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW2
  SAMPLE

Lab Sample ID: JI53E
LIMS ID: 06-7816
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 16:29

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.2**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**2.4**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**0.3**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW2**
Page 2 of 2 **SAMPLE**

Lab Sample ID: JI53E
LIMS ID: 06-7816
Matrix: Water
Date Analyzed: 05/19/06 16:29

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	92.2%
Bromofluorobenzene	94.2%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW8
  SAMPLE

Lab Sample ID: JI53F
LIMS ID: 06-7817
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 16:56

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.4**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.3**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW8**
Page 2 of 2 **SAMPLE**

Lab Sample ID: JI53F
LIMS ID: 06-7817
Matrix: Water
Date Analyzed: 05/19/06 16:56

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	101%
Bromofluorobenzene	100%
d4-1,2-Dichlorobenzene	98.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW7
  SAMPLE

Lab Sample ID: JI53G
LIMS ID: 06-7818
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 17:23

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.4**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**3.3**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.7**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW7**
Page 2 of 2 **SAMPLE**

Lab Sample ID: JI53G
LIMS ID: 06-7818
Matrix: Water
Date Analyzed: 05/19/06 17:23

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	99.8%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	108%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW1
  MATRIX SPIKE

Lab Sample ID: JI53D QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst MS: FINN3/PAB Sample Amount MS: 20.0 mL
MSD: FINN3/PAB MSD: 20.0 mL
Date Analyzed MS: 05/19/06 14:14 Purge Volume MS: 20.0 mL
MSD: 05/19/06 14:42 MSD: 20.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Chloromethane	< 0.2 U	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
Bromomethane	< 0.2 U	3.0	4.0	75.0%	3.0	4.0	75.0%	0.0%
Vinyl Chloride	0.4	4.2	4.0	95.0%	4.3	4.0	97.5%	2.4%
Chloroethane	< 0.2 U	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
Methylene Chloride	< 0.3 U	3.6	4.0	90.0%	3.7	4.0	92.5%	2.7%
Acetone	< 1.0 U	22.0	20.0	110%	22.0	20.0	110%	0.0%
Carbon Disulfide	< 0.2 U	3.6	4.0	90.0%	4.0	4.0	100%	10.5%
1,1-Dichloroethene	< 0.2 U	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
1,1-Dichloroethane	< 0.2 U	4.0	4.0	100%	4.1	4.0	102%	2.5%
trans-1,2-Dichloroethene	0.2	4.0	4.0	95.0%	4.0	4.0	95.0%	0.0%
cis-1,2-Dichloroethene	3.1	6.8	4.0	92.5%	6.8	4.0	92.5%	0.0%
Chloroform	< 0.2 U	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
1,2-Dichloroethane	< 0.2 U	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
2-Butanone	< 1.0 U	19.6	20.0	98.0%	18.4	20.0	92.0%	6.3%
1,1,1-Trichloroethane	< 0.2 U	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
Carbon Tetrachloride	< 0.2 U	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Vinyl Acetate	< 0.2 U	3.7	4.0	92.5%	3.5	4.0	87.5%	5.6%
Bromodichloromethane	< 0.2 U	4.1	4.0	102%	4.0	4.0	100%	2.5%
1,2-Dichloropropane	< 0.2 U	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
cis-1,3-Dichloropropene	< 0.2 U	3.1	4.0	77.5%	2.9	4.0	72.5%	6.7%
Trichloroethene	1.5	5.2	4.0	92.5%	5.2	4.0	92.5%	0.0%
Dibromochloromethane	< 0.2 U	3.4	4.0	85.0%	3.2	4.0	80.0%	6.1%
1,1,2-Trichloroethane	< 0.2 U	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
Benzene	< 0.2 U	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
trans-1,3-Dichloropropene	< 0.2 U	3.1	4.0	77.5%	3.1	4.0	77.5%	0.0%
2-Chloroethylvinylether	< 0.5 U	< 0.5 U	4.0	NA	< 0.5 U	4.0	NA	NA
Bromoform	< 0.2 U	3.5	4.0	87.5%	3.5	4.0	87.5%	0.0%
4-Methyl-2-Pentanone (MIBK)	< 1.0 U	18.8	20.0	94.0%	16.9	20.0	84.5%	10.6%
2-Hexanone	< 1.0 U	20.3	20.0	102%	19.1	20.0	95.5%	6.1%
Tetrachloroethene	4.1	8.1	4.0	100%	8.2	4.0	102%	1.2%
1,1,2,2-Tetrachloroethane	< 0.2 U	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Toluene	< 0.2 U	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
Chlorobenzene	< 0.2 U	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Ethylbenzene	< 0.2 U	4.2	4.0	105%	4.2	4.0	105%	0.0%
Styrene	< 0.2 U	4.1	4.0	102%	4.2	4.0	105%	2.4%
Trichlorofluoromethane	< 0.2 U	4.2	4.0	105%	4.2	4.0	105%	0.0%
1,1,2-Trichloro-1,2,2-trifl	< 0.2 U	4.0	4.0	100%	4.2	4.0	105%	4.9%
m,p-Xylene	< 0.4 U	8.1	8.0	101%	8.3	8.0	104%	2.4%
o-Xylene	< 0.2 U	4.0	4.0	100%	4.0	4.0	100%	0.0%
1,2-Dichlorobenzene	< 0.2 U	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
1,3-Dichlorobenzene	< 0.2 U	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
1,4-Dichlorobenzene	< 0.2 U	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
Acrolein	< 5.0 U	18.4	20.0	92.0%	18.4	20.0	92.0%	0.0%
Methyl Iodide	< 0.2 U	3.6	4.0	90.0%	3.6	4.0	90.0%	0.0%
Bromoethane	< 0.2 U	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
Acrylonitrile	< 1.0 U	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
1,1-Dichloropropene	< 0.2 U	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW1**
Page 2 of 2 **MATRIX SPIKE**

Lab Sample ID: JI53D
LIMS ID: 06-7815
Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Dibromomethane	< 0.2 U	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,1,1,2-Tetrachloroethane	< 0.2 U	3.4	4.0	85.0%	3.4	4.0	85.0%	0.0%
1,2-Dibromo-3-chloropropane	< 2.0 U	3.5	4.0	87.5%	3.5	4.0	87.5%	0.0%
1,2,3-Trichloropropane	< 0.5 U	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
trans-1,4-Dichloro-2-butene	< 1.0 U	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
1,3,5-Trimethylbenzene	< 0.2 U	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
1,2,4-Trimethylbenzene	< 0.2 U	3.9	4.0	97.5%	4.1	4.0	102%	5.0%
Hexachlorobutadiene	< 0.5 U	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
Ethylene Dibromide	< 0.2 U	3.4	4.0	85.0%	3.3	4.0	82.5%	3.0%
Bromochloromethane	< 0.2 U	3.8	4.0	95.0%	3.7	4.0	92.5%	2.7%
2,2-Dichloropropane	< 0.2 U	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
1,3-Dichloropropane	< 0.2 U	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Isopropylbenzene	< 0.2 U	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
n-Propylbenzene	< 0.2 U	4.1	4.0	102%	4.3	4.0	108%	4.8%
Bromobenzene	< 0.2 U	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
2-Chlorotoluene	< 0.2 U	4.0	4.0	100%	3.5	4.0	87.5%	13.3%
4-Chlorotoluene	< 0.2 U	4.1	4.0	102%	4.0	4.0	100%	2.5%
tert-Butylbenzene	< 0.2 U	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
sec-Butylbenzene	< 0.2 U	4.0	4.0	100%	4.2	4.0	105%	4.9%
4-Isopropyltoluene	< 0.2 U	3.9	4.0	97.5%	4.1	4.0	102%	5.0%
n-Butylbenzene	< 0.2 U	4.0	4.0	100%	4.2	4.0	105%	4.9%
1,2,4-Trichlorobenzene	< 0.5 U	3.4	4.0	85.0%	3.5	4.0	87.5%	2.9%
Naphthalene	< 0.5 U	3.4	4.0	85.0%	3.4	4.0	85.0%	0.0%
1,2,3-Trichlorobenzene	< 0.5 U	3.5	4.0	87.5%	3.5	4.0	87.5%	0.0%

Reported in µg/L (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW1
  MATRIX SPIKE

Lab Sample ID: JI53D QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 14:14 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	---	
74-83-9	Bromomethane	0.2	---	
75-01-4	Vinyl Chloride	0.2	---	
75-00-3	Chloroethane	0.2	---	
75-09-2	Methylene Chloride	0.3	---	
67-64-1	Acetone	1.0	---	
75-15-0	Carbon Disulfide	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
75-34-3	1,1-Dichloroethane	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
67-66-3	Chloroform	0.2	---	
107-06-2	1,2-Dichloroethane	0.2	---	
78-93-3	2-Butanone	1.0	---	
71-55-6	1,1,1-Trichloroethane	0.2	---	
56-23-5	Carbon Tetrachloride	0.2	---	
108-05-4	Vinyl Acetate	0.2	---	
75-27-4	Bromodichloromethane	0.2	---	
78-87-5	1,2-Dichloropropane	0.2	---	
10061-01-5	cis-1,3-Dichloropropene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
124-48-1	Dibromochloromethane	0.2	---	
79-00-5	1,1,2-Trichloroethane	0.2	---	
71-43-2	Benzene	0.2	---	
10061-02-6	trans-1,3-Dichloropropene	0.2	---	
110-75-8	2-Chloroethylvinylether	0.5	---	
75-25-2	Bromoform	0.2	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	---	
591-78-6	2-Hexanone	1.0	---	
127-18-4	Tetrachloroethene	0.2	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	---	
108-88-3	Toluene	0.2	---	
108-90-7	Chlorobenzene	0.2	---	
100-41-4	Ethylbenzene	0.2	---	
100-42-5	Styrene	0.2	---	
75-69-4	Trichlorofluoromethane	0.2	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	---	
1330-20-7	m,p-Xylene	0.4	---	
95-47-6	o-Xylene	0.2	---	
95-50-1	1,2-Dichlorobenzene	0.2	---	
541-73-1	1,3-Dichlorobenzene	0.2	---	
106-46-7	1,4-Dichlorobenzene	0.2	---	
107-02-8	Acrolein	5.0	---	
74-88-4	Methyl Iodide	0.2	---	
74-96-4	Bromoethane	0.2	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.2	---	
74-95-3	Dibromomethane	0.2	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.2	---	
96-12-8	1,2-Dibromo-3-chloropropane	2.0	---	
96-18-4	1,2,3-Trichloropropane	0.5	---	

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW1**
Page 2 of 2 **MATRIX SPIKE**

Lab Sample ID: JI53D
LIMS ID: 06-7815
Matrix: Water
Date Analyzed: 05/19/06 14:14

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	
108-67-8	1,3,5-Trimethylbenzene	0.2	---	
95-63-6	1,2,4-Trimethylbenzene	0.2	---	
87-68-3	Hexachlorobutadiene	0.5	---	
106-93-4	Ethylene Dibromide	0.2	---	
74-97-5	Bromochloromethane	0.2	---	
594-20-7	2,2-Dichloropropane	0.2	---	
142-28-9	1,3-Dichloropropane	0.2	---	
98-82-8	Isopropylbenzene	0.2	---	
103-65-1	n-Propylbenzene	0.2	---	
108-86-1	Bromobenzene	0.2	---	
95-49-8	2-Chlorotoluene	0.2	---	
106-43-4	4-Chlorotoluene	0.2	---	
98-06-6	tert-Butylbenzene	0.2	---	
135-98-8	sec-Butylbenzene	0.2	---	
99-87-6	4-Isopropyltoluene	0.2	---	
104-51-8	n-Butylbenzene	0.2	---	
120-82-1	1,2,4-Trichlorobenzene	0.5	---	
91-20-3	Naphthalene	0.5	---	
87-61-6	1,2,3-Trichlorobenzene	0.5	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.5%
d8-Toluene	91.0%
Bromofluorobenzene	98.2%
d4-1,2-Dichlorobenzene	91.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW1
  MATRIX SPIKE DUP

Lab Sample ID: JI53D QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/08/06
Reported: 05/23/06 Date Received: 05/08/06

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 14:42 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	---	
74-83-9	Bromomethane	0.2	---	
75-01-4	Vinyl Chloride	0.2	---	
75-00-3	Chloroethane	0.2	---	
75-09-2	Methylene Chloride	0.3	---	
67-64-1	Acetone	1.0	---	
75-15-0	Carbon Disulfide	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
75-34-3	1,1-Dichloroethane	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
67-66-3	Chloroform	0.2	---	
107-06-2	1,2-Dichloroethane	0.2	---	
78-93-3	2-Butanone	1.0	---	
71-55-6	1,1,1-Trichloroethane	0.2	---	
56-23-5	Carbon Tetrachloride	0.2	---	
108-05-4	Vinyl Acetate	0.2	---	
75-27-4	Bromodichloromethane	0.2	---	
78-87-5	1,2-Dichloropropane	0.2	---	
10061-01-5	cis-1,3-Dichloropropene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
124-48-1	Dibromochloromethane	0.2	---	
79-00-5	1,1,2-Trichloroethane	0.2	---	
71-43-2	Benzene	0.2	---	
10061-02-6	trans-1,3-Dichloropropene	0.2	---	
110-75-8	2-Chloroethylvinylether	0.5	---	
75-25-2	Bromoform	0.2	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	---	
591-78-6	2-Hexanone	1.0	---	
127-18-4	Tetrachloroethene	0.2	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	---	
108-88-3	Toluene	0.2	---	
108-90-7	Chlorobenzene	0.2	---	
100-41-4	Ethylbenzene	0.2	---	
100-42-5	Styrene	0.2	---	
75-69-4	Trichlorofluoromethane	0.2	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	---	
1330-20-7	m,p-Xylene	0.4	---	
95-47-6	o-Xylene	0.2	---	
95-50-1	1,2-Dichlorobenzene	0.2	---	
541-73-1	1,3-Dichlorobenzene	0.2	---	
106-46-7	1,4-Dichlorobenzene	0.2	---	
107-02-8	Acrolein	5.0	---	
74-88-4	Methyl Iodide	0.2	---	
74-96-4	Bromoethane	0.2	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.2	---	
74-95-3	Dibromomethane	0.2	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.2	---	
96-12-8	1,2-Dibromo-3-chloropropane	2.0	---	
96-18-4	1,2,3-Trichloropropane	0.5	---	

Lab Sample ID: JI53D
LIMS ID: 06-7815
Matrix: Water
Date Analyzed: 05/19/06 14:42

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	
108-67-8	1,3,5-Trimethylbenzene	0.2	---	
95-63-6	1,2,4-Trimethylbenzene	0.2	---	
87-68-3	Hexachlorobutadiene	0.5	---	
106-93-4	Ethylene Dibromide	0.2	---	
74-97-5	Bromochloromethane	0.2	---	
594-20-7	2,2-Dichloropropane	0.2	---	
142-28-9	1,3-Dichloropropane	0.2	---	
98-82-8	Isopropylbenzene	0.2	---	
103-65-1	n-Propylbenzene	0.2	---	
108-86-1	Bromobenzene	0.2	---	
95-49-8	2-Chlorotoluene	0.2	---	
106-43-4	4-Chlorotoluene	0.2	---	
98-06-6	tert-Butylbenzene	0.2	---	
135-98-8	sec-Butylbenzene	0.2	---	
99-87-6	4-Isopropyltoluene	0.2	---	
104-51-8	n-Butylbenzene	0.2	---	
120-82-1	1,2,4-Trichlorobenzene	0.5	---	
91-20-3	Naphthalene	0.5	---	
87-61-6	1,2,3-Trichlorobenzene	0.5	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.5%
d8-Toluene	95.5%
Bromofluorobenzene	96.5%
d4-1,2-Dichlorobenzene	93.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MB-051906
  METHOD BLANK

Lab Sample ID: MB-051906 QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: NA
Reported: 05/23/06 Date Received: NA

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/19/06 11:20 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 2 of 2

Sample ID: MB-051906
METHOD BLANK

Lab Sample ID: MB-051906
LIMS ID: 06-7815
Matrix: Water
Date Analyzed: 05/19/06 11:20

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	98.8%
Bromofluorobenzene	95.8%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-051906
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-051906 QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: NA
Reported: 05/23/06 Date Received: NA

Instrument/Analyst LCS: FINN3/PAB Sample Amount LCS: 20.0 mL
LCSD: FINN3/PAB LCSD: 20.0 mL
Date Analyzed LCS: 05/19/06 10:14 Purge Volume LCS: 20.0 mL
LCSD: 05/19/06 10:52 LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.7	4.0	92.5%	4.1	4.0	102%	10.3%
Bromomethane	3.0	4.0	75.0%	3.1	4.0	77.5%	3.3%
Vinyl Chloride	4.0	4.0	100%	4.2	4.0	105%	4.9%
Chloroethane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
Methylene Chloride	3.4	4.0	85.0%	3.9	4.0	97.5%	13.7%
Acetone	20.5	20.0	102%	24.1	20.0	120%	16.1%
Carbon Disulfide	4.0	4.0	100%	4.4	4.0	110%	9.5%
1,1-Dichloroethene	3.8	4.0	95.0%	4.1	4.0	102%	7.6%
1,1-Dichloroethane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
trans-1,2-Dichloroethene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
cis-1,2-Dichloroethene	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
Chloroform	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%
1,2-Dichloroethane	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
2-Butanone	17.8	20.0	89.0%	19.7	20.0	98.5%	10.1%
1,1,1-Trichloroethane	3.5	4.0	87.5%	4.0	4.0	100%	13.3%
Carbon Tetrachloride	3.9	4.0	97.5%	3.8	4.0	95.0%	2.6%
Vinyl Acetate	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
Bromodichloromethane	4.0	4.0	100%	4.3	4.0	108%	7.2%
1,2-Dichloropropane	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
cis-1,3-Dichloropropene	3.1	4.0	77.5%	3.3	4.0	82.5%	6.2%
Trichloroethene	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Dibromochloromethane	3.1	4.0	77.5%	3.6	4.0	90.0%	14.9%
1,1,2-Trichloroethane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Benzene	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
trans-1,3-Dichloropropene	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%
2-Chloroethylvinylether	4.0	4.0	100%	4.4	4.0	110%	9.5%
Bromoform	3.4	4.0	85.0%	3.9	4.0	97.5%	13.7%
4-Methyl-2-Pentanone (MIBK)	17.7	20.0	88.5%	19.4	20.0	97.0%	9.2%
2-Hexanone	18.4	20.0	92.0%	20.3	20.0	102%	9.8%
Tetrachloroethene	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
1,1,2,2-Tetrachloroethane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Toluene	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
Chlorobenzene	3.6	4.0	90.0%	4.0	4.0	100%	10.5%
Ethylbenzene	4.0	4.0	100%	4.2	4.0	105%	4.9%
Styrene	3.9	4.0	97.5%	4.3	4.0	108%	9.8%
Trichlorofluoromethane	4.1	4.0	102%	4.4	4.0	110%	7.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-051906
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-051906 QC Report No: JI53-CDM
LIMS ID: 06-7815 Project: Leathercare
Matrix: Water 38057-47522

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
1,1,2-Trichloro-1,2,2-trifluoroetha	4.0	4.0	100%	4.2	4.0	105%	4.9%
m,p-Xylene	7.8	8.0	97.5%	8.3	8.0	104%	6.2%
o-Xylene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
1,2-Dichlorobenzene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,3-Dichlorobenzene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
1,4-Dichlorobenzene	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Acrolein	17.2	20.0	86.0%	20.7	20.0	104%	18.5%
Methyl Iodide	3.4	4.0	85.0%	3.6	4.0	90.0%	5.7%
Bromoethane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
Acrylonitrile	3.4	4.0	85.0%	4.1	4.0	102%	18.7%
1,1-Dichloropropene	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Dibromomethane	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
1,1,1,2-Tetrachloroethane	3.3	4.0	82.5%	3.7	4.0	92.5%	11.4%
1,2-Dibromo-3-chloropropane	3.3	4.0	82.5%	4.1	4.0	102%	21.6%
1,2,3-Trichloropropane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
trans-1,4-Dichloro-2-butene	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
1,3,5-Trimethylbenzene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
1,2,4-Trimethylbenzene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
Hexachlorobutadiene	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Ethylene Dibromide	3.3	4.0	82.5%	3.7	4.0	92.5%	11.4%
Bromochloromethane	3.5	4.0	87.5%	4.0	4.0	100%	13.3%
2,2-Dichloropropane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
1,3-Dichloropropane	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
Isopropylbenzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
n-Propylbenzene	4.2	4.0	105%	4.1	4.0	102%	2.4%
Bromobenzene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
2-Chlorotoluene	3.4	4.0	85.0%	4.0	4.0	100%	16.2%
4-Chlorotoluene	3.9	4.0	97.5%	4.1	4.0	102%	5.0%
tert-Butylbenzene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
sec-Butylbenzene	4.0	4.0	100%	4.1	4.0	102%	2.5%
4-Isopropyltoluene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
n-Butylbenzene	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
1,2,4-Trichlorobenzene	3.5	4.0	87.5%	3.6	4.0	90.0%	2.8%
Naphthalene	3.3	4.0	82.5%	3.4	4.0	85.0%	3.0%
1,2,3-Trichlorobenzene	3.4	4.0	85.0%	3.5	4.0	87.5%	2.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	91.8%	109%
d8-Toluene	95.0%	96.5%
Bromofluorobenzene	92.2%	99.5%
d4-1,2-Dichlorobenzene	87.5%	93.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE
Modified RSK 175

Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Received: 05/08/06

Data Release Authorized:
Reported: 05/12/06

ARI ID	Sample ID	Analysis Date	DL	Analyte	RL	Result
JI53A	MW5	05/10/06	1.0	**Methane**	7	**190**
06-7812				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI53B	MW4	05/10/06	1.0	**Methane**	7	**250**
06-7813				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI53C	MW6	05/10/06	1.0	**Methane**	7	**120**
06-7814				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI53D	MW1	05/10/06	1.0	**Methane**	7	**12**
06-7815				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI53E	MW2	05/10/06	1.0	**Methane**	7	**10**
06-7816				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI53F	MW8	05/10/06	1.0	**Methane**	7	**540**
06-7817				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI53G	MW7	05/10/06	1.0	**Methane**	7	**700**
06-7818				Ethane	12	< 12 U
				Ethene	11	< 11 U
051006MB	Method Blank	05/10/06	1.0	Methane	7	< 7 U
051006MB	Method Blank	05/10/06	1.0	Ethane	12	< 12 U
051006MB	Method Blank	05/10/06	1.0	Ethene	11	< 11 U

Reported in ug/L (ppb)

ANALYTICAL RESOURCES INCORPORATED

RSK 175/METHANE-ETHANE-ETHENE WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	PRP	TOT OUT
JI53A	MW5	102%	0
JI53B	MW4	99.6%	0
JI53C	MW6	98.8%	0
JI53D	MW1	101%	0
JI53DMS	MW1	97.6%	0
JI53DMSD	MW1	104%	0
JI53E	MW2	102%	0
JI53F	MW8	88.0%	0
JI53G	MW7	100%	0
MB-051006	Method Blank	102%	0
LCS-051006	Lab Control	103%	0

	LCS/MB LIMITS	QC LIMITS
(PRP) = Propane	(30-160)	(30-160)

Log Number Range: 06-7812 to 06-7818

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE
Modified RSK 175
Page 1 of 1
Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Received: 05/08/06

Data Release Authorized:
Reported: 05/15/06

Analyte	Date	Spike Type	Sample	Spike	Spike Added	Recovery	RPD
ARI ID: JI53D Client ID: MW1							
Methane	05/10/06	MS	12	590	650	88.3%	
	05/10/06	MSD		630		94.4%	6.6%
Ethane	05/10/06	MS	< 12	1,100	1,200	89.6%	
	05/10/06	MSD		1,200		97.8%	8.7%
Ethene	05/10/06	MS	< 11	1,000	1,100	87.3%	
	05/10/06	MSD		1,100		96.1%	9.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE
Modified RSK 175
Page 1 of 1
Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Received: 05/08/06

Data Release Authorized:
Reported: 05/12/06

ARI ID	Analysis Date	Analyte	Spike	Result	Recovery	RPD
051006LCS	05/10/06	Methane	650	630	96.3%	
051006LCS	05/10/06	Ethane	1,200	1,200	97.8%	
051006LCS	05/10/06	Ethene	1,100	1,200	104.8%	

Reported in ug/L (ppb)

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Received: 05/08/06

Data Release Authorized:
Reported: 05/24/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/L
JI53A	MW5	05/12/06	05/15/06	1.0	**Diesel**	**0.66**
06-7812	HC ID: **DIESEL**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	94.7%
JI53B	MW4	05/12/06	05/15/06	1.0	**Diesel**	**2.3**
06-7813	HC ID: **DIESEL/RRO**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	90.7%
JI53C	MW6	05/12/06	05/15/06	1.0	**Diesel**	**0.50**
06-7814	HC ID: **DIESEL**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	85.8%
MB-051206	Method Blank	05/12/06	05/15/06	1.0	Diesel	< 0.25 U
06-7815	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	87.1%
JI53D	MW1	05/12/06	05/15/06	1.0	Diesel	< 0.25 U
06-7815	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	92.7%
MB-051506	Method Blank	05/15/06	05/17/06	1.0	Diesel	< 0.25 U
06-7816	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	93.3%
JI53E	MW2	05/15/06	05/16/06	1.0	Diesel	< 0.25 U
06-7816	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	92.9%
JI53E RE	MW2	05/15/06	05/16/06	1.0	Diesel	< 0.25 U
06-7816	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	92.9%
JI53F	MW8	05/12/06	05/16/06	1.0	**Diesel**	**1.6**
06-7817	HC ID: **DIESEL**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	101%
JI53G	MW7	05/12/06	05/17/06	1.0	**Diesel**	**2.6**
06-7818	HC ID: **DIESEL**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	98.0%

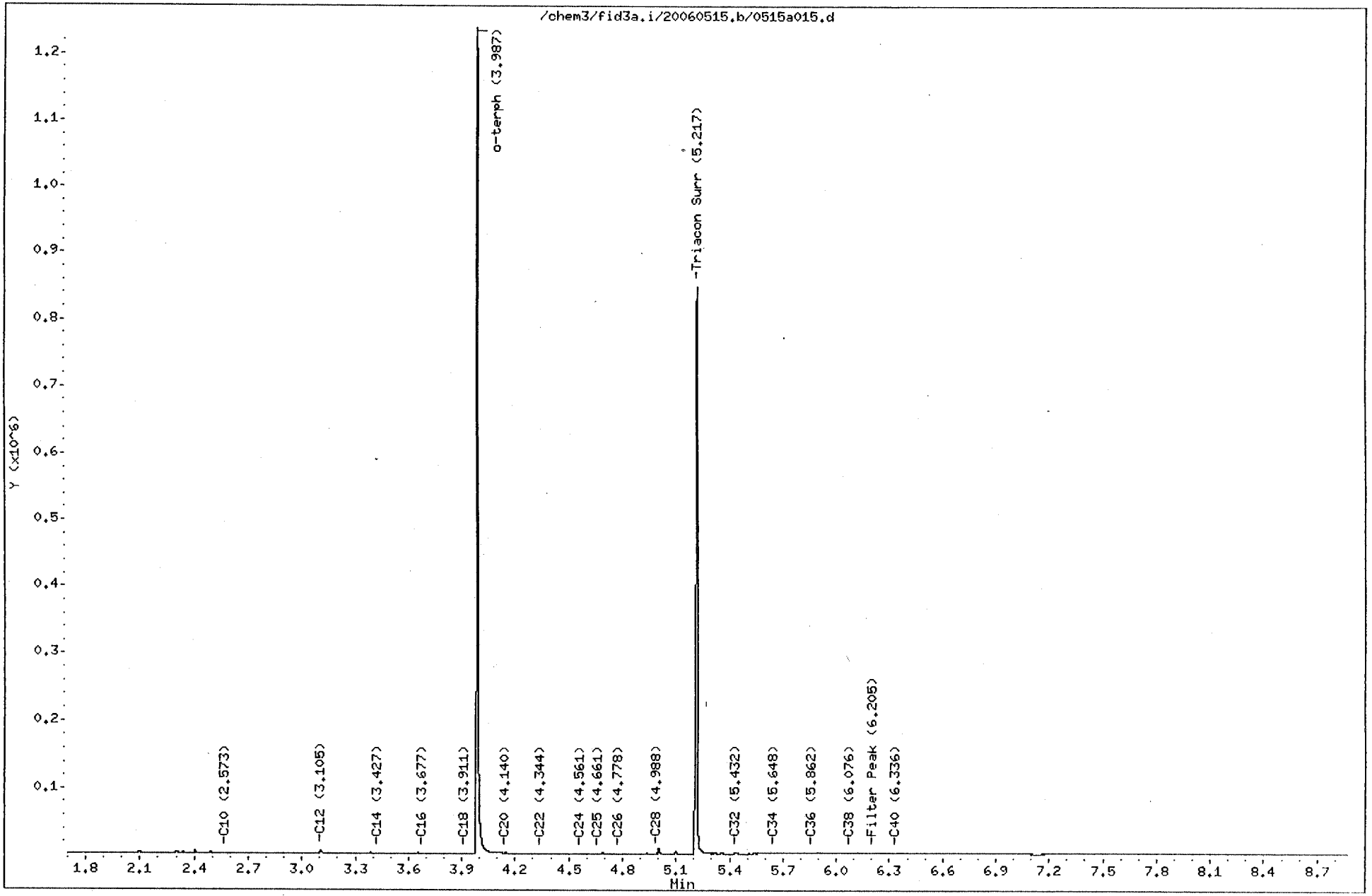
Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

Data File: /chem3/fid3a.i/20060515.b/0515a015.d
Date : 15-MAY-2006 10:57
Client ID: JI50MBW1
Sample Info: JI50MBW1

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25



Data File: /chem3/fid3a.i/20060515.b/0515a030.d

Date : 15-MAY-2006 15:18

Client ID:

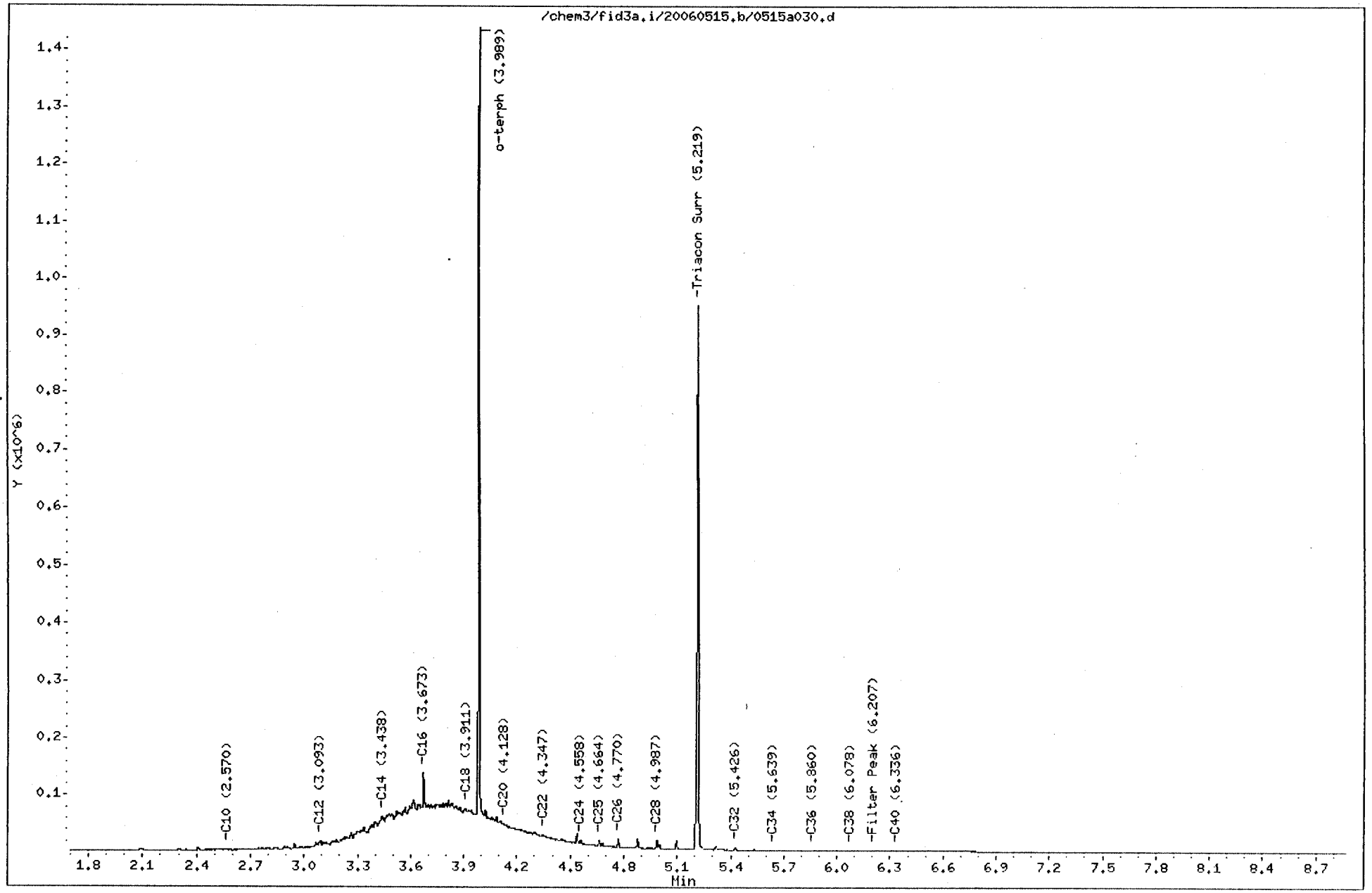
Sample Info: JI53A

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

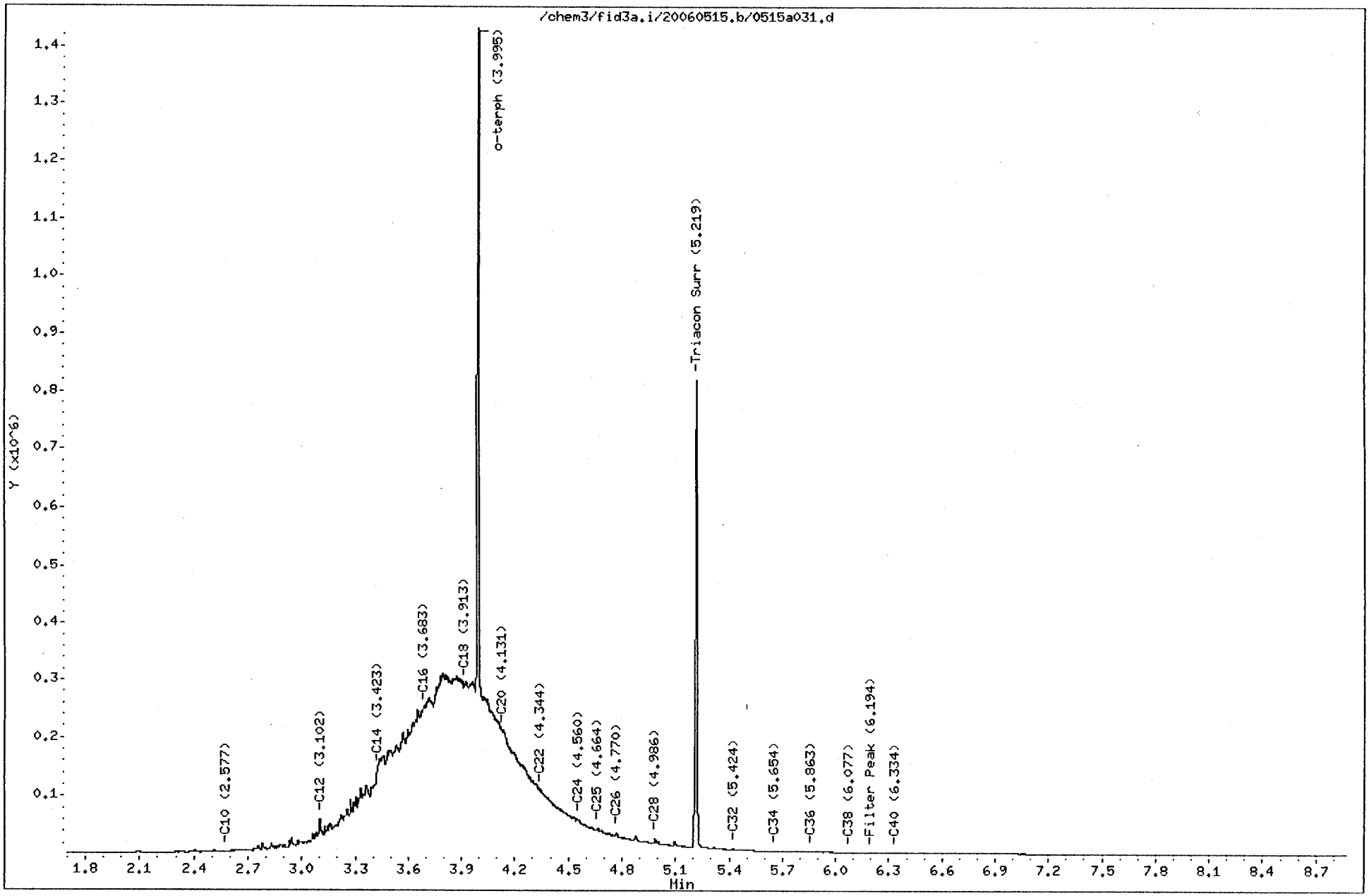


Data File: /chem3/fid3a.i/20060515.b/0515a031.d
Date : 15-MAY-2006 15:36
Client ID:
Sample Info: JI53B

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

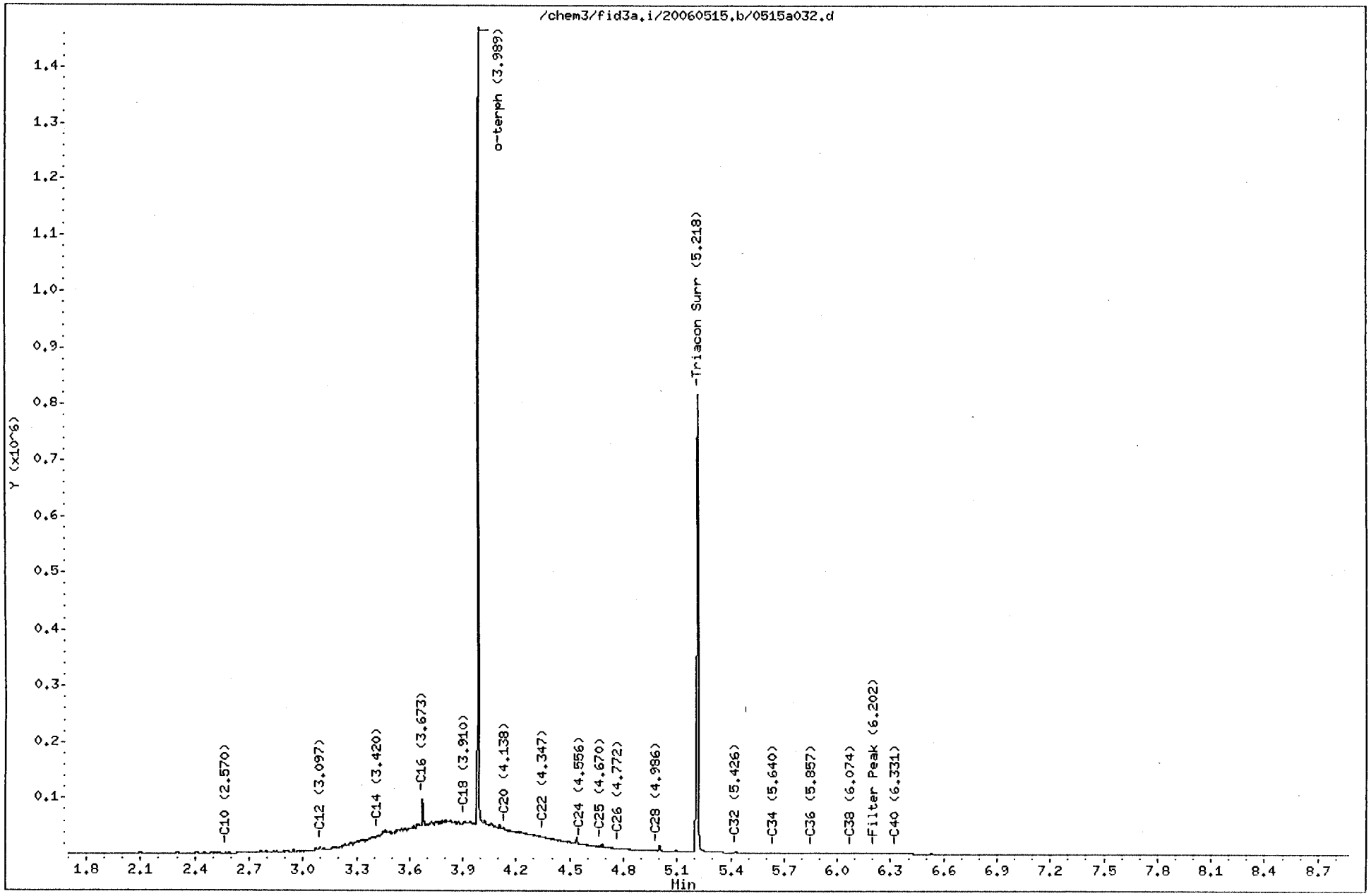


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Date : 15-MAY-2006 15:53
Client ID:
Sample Info: JI53C

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



Data File: /chem3/fid3a.i/20060515.b/0515a033.d

Date : 15-MAY-2006 16:11

Client ID:

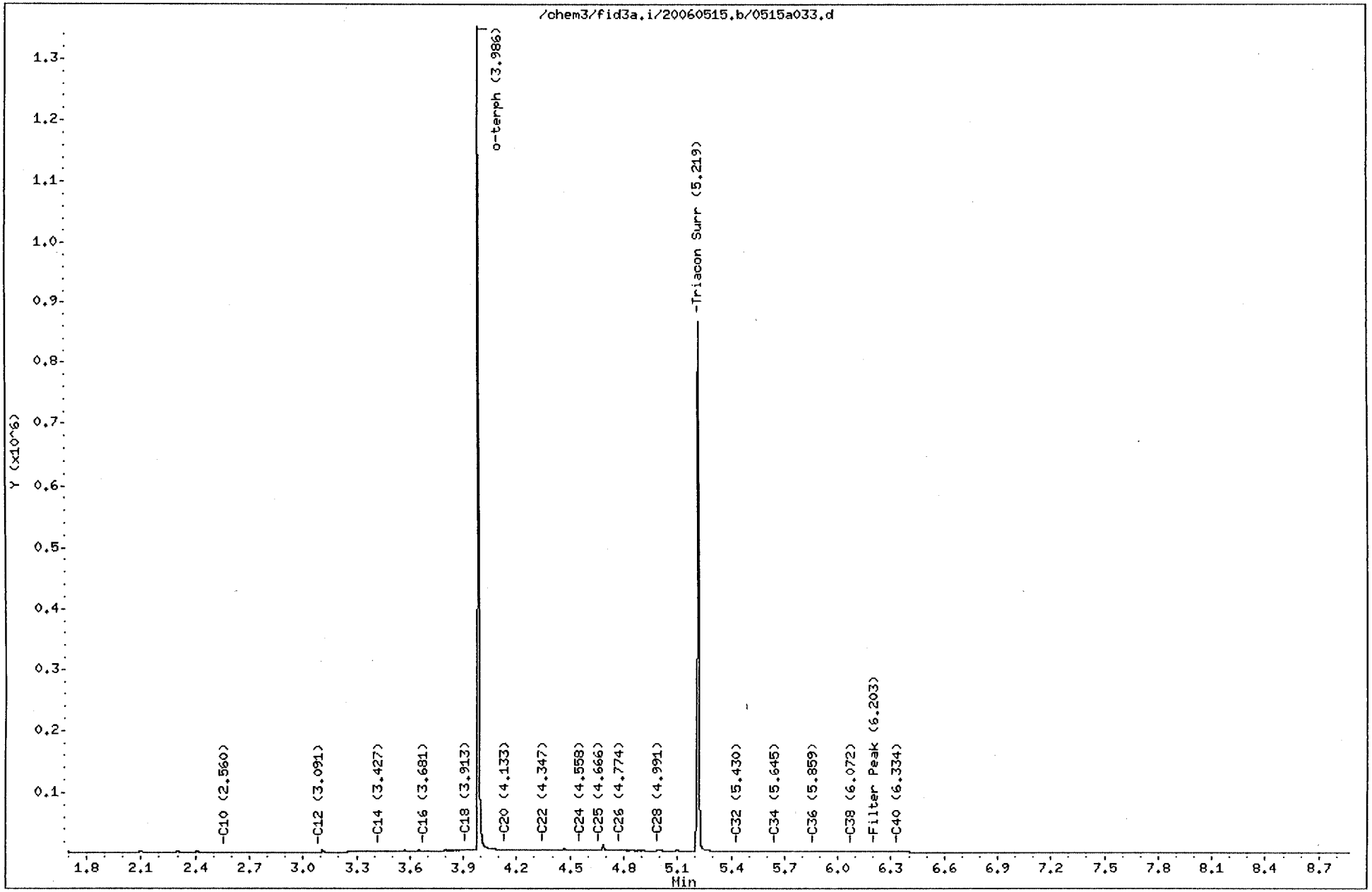
Instrument: fid3a.i

Sample Info: JI53D

Operator: PC

Column phase: RTX-1

Column diameter: 0.25

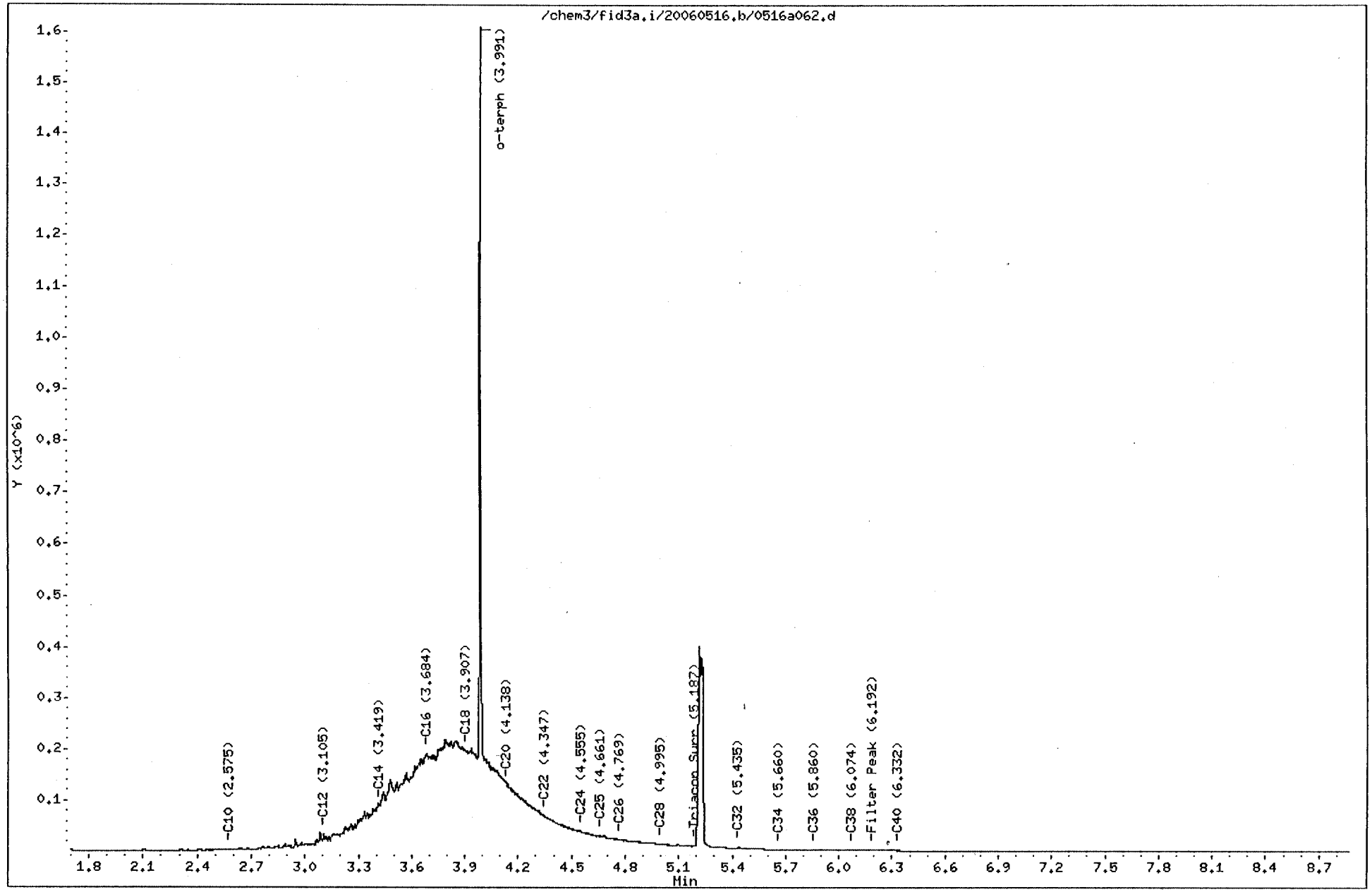


Data File: /chem3/fid3a.i/20060516.b/0516a062.d
Date : 16-MAY-2006 23:53
Client ID:
Sample Info: JI53F

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

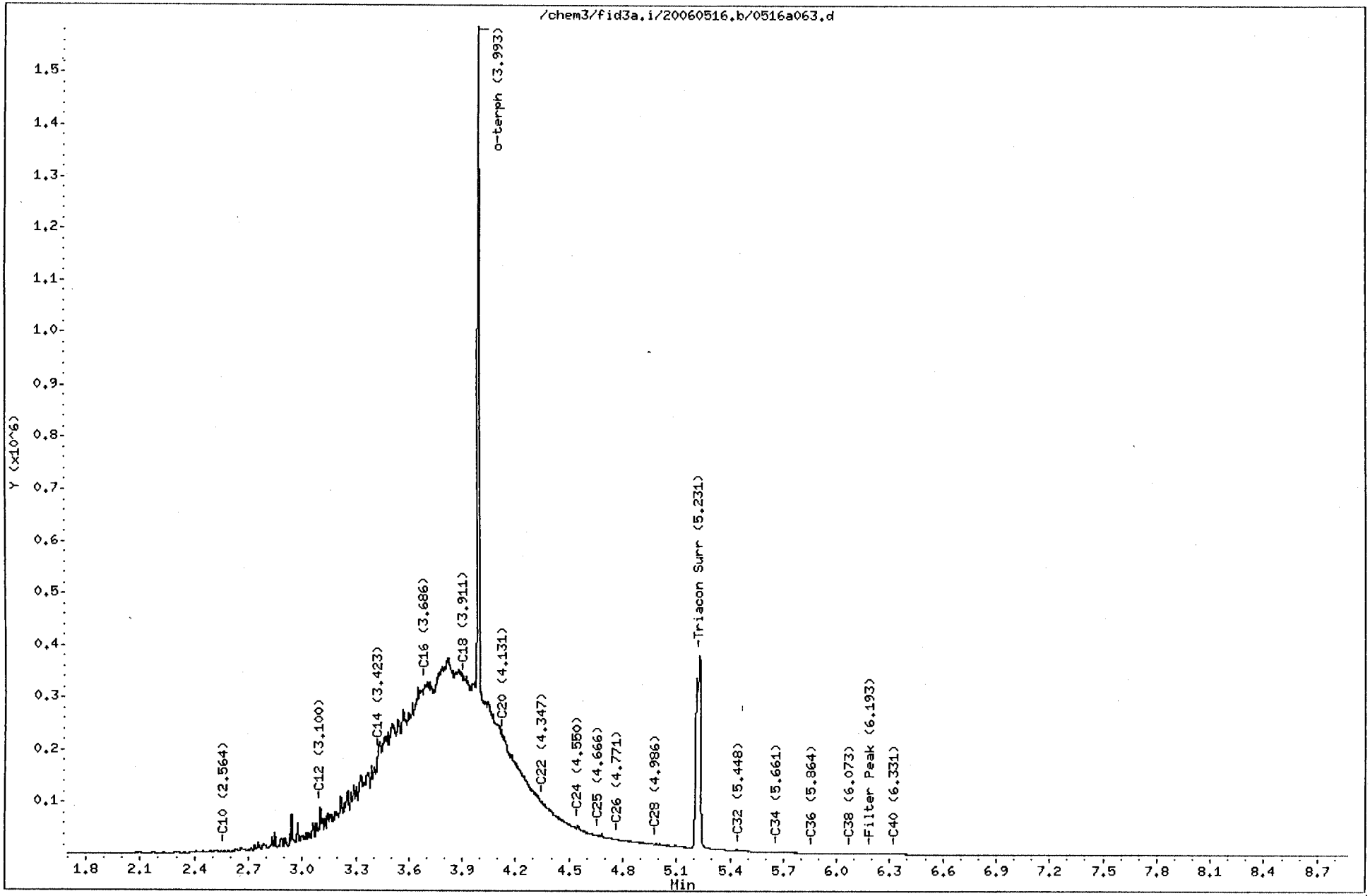


Data File: /chem3/fid3a.i/20060516.b/0516a063.d
Date : 17-MAY-2006 00:10
Client ID:
Sample Info: JI53G

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



Data File: /chem3/fid3a.i/20060516.b/0516a073.d

Date : 17-MAY-2006 03:02

Client ID:

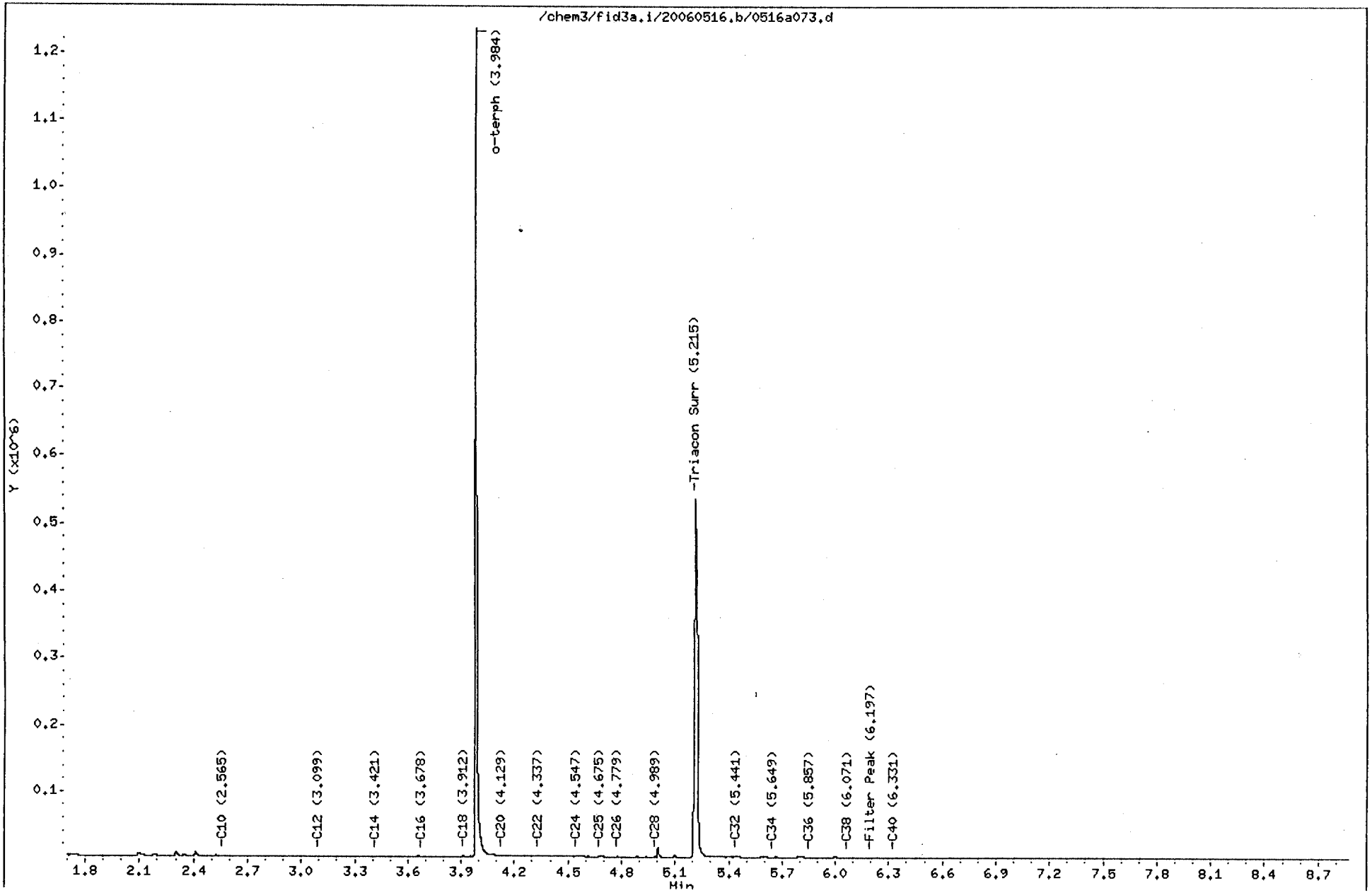
Sample Info: JI98MBW1

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

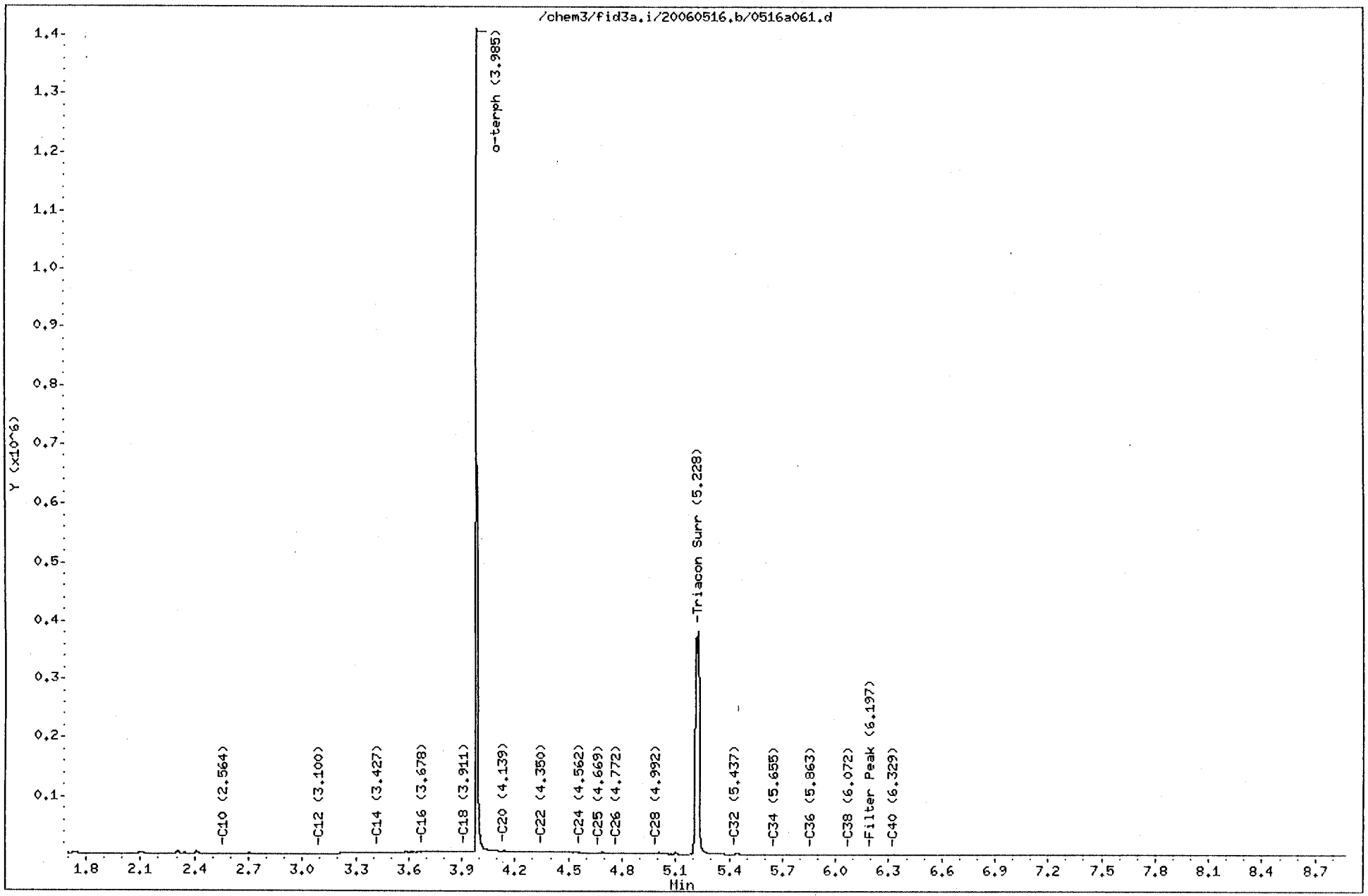


Data File: /chem3/fid3a.i/20060516.b/0516a061.d
Date : 16-MAY-2006 23:36
Client ID:
Sample Info: JI53E

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI53-CDM
Project: Leathercare
38057-47522

Client ID	OTER	TOT OUT
MW5	94.7%	0
MW4	90.7%	0
MW6	85.8%	0
MB-051206	87.1%	0
LCS-051206	97.6%	0
MW1	92.7%	0
MW1 MS	103%	0
MW1 MSD	101%	0
MB-051506	93.3%	0
LCS-051506	93.1%	0
MW2	92.9%	0
MW2 RE	92.9%	0
MW8	101%	0
MW7	98.0%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(60-116)	(52-124)

Prep Method: SW3510C
Log Number Range: 06-7812 to 06-7818

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: MW1
MS/MSD

Lab Sample ID: JI53D
LIMS ID: 06-7815
Matrix: Water
Data Release Authorized:
Reported: 05/24/06

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Date Extracted MS/MSD: 05/12/06

Date Analyzed MS: 05/16/06 23:01
MSD: 05/16/06 23:18
Instrument/Analyst MS: FID3A/AAR
MSD: FID3A/AAR

Sample Amount MS: 500 mL
MSD: 500 mL
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	< 0.25 U	3.07	3.00	102%	3.02	3.00	101%	1.6%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	103%	101%

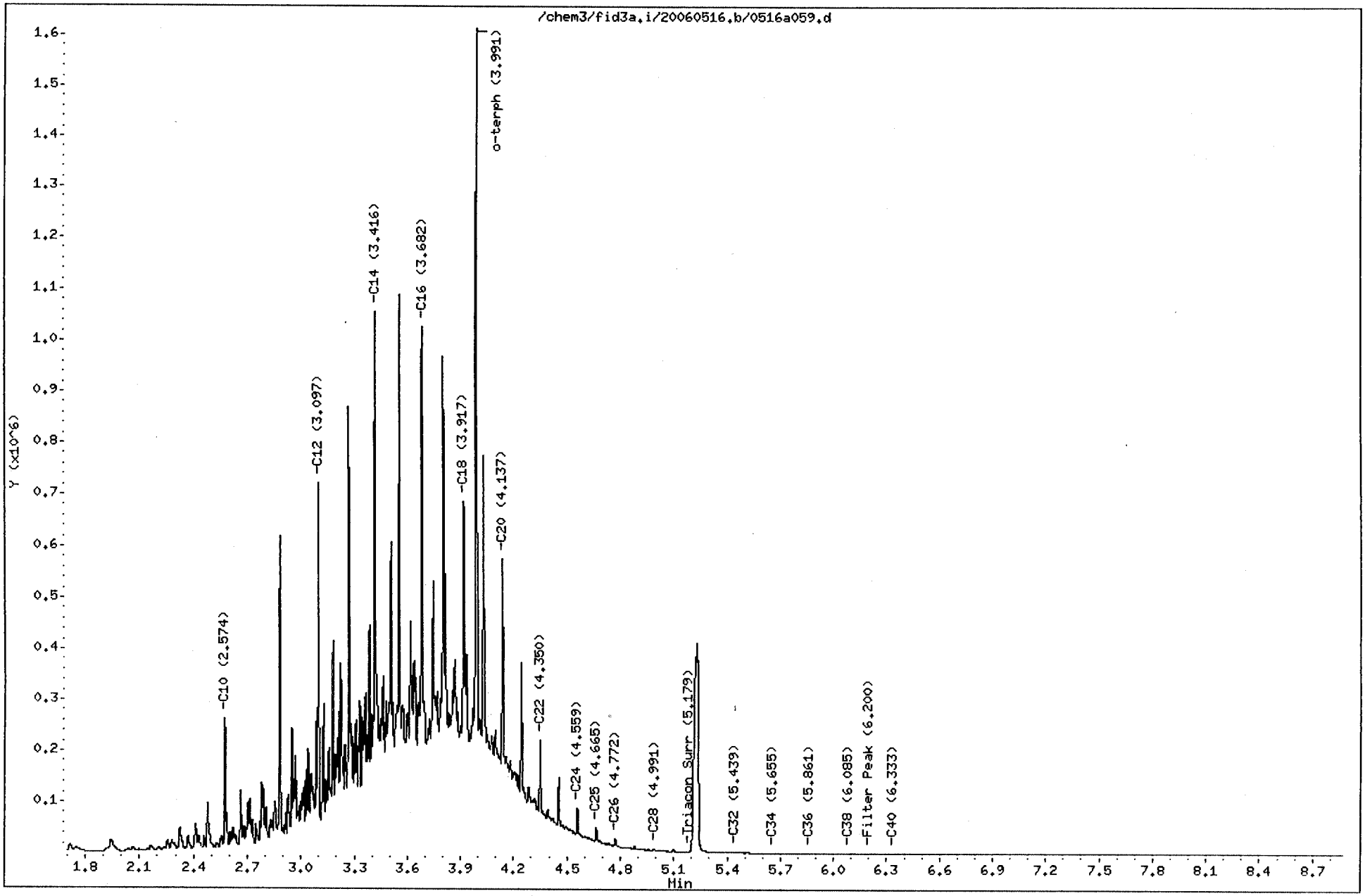
Results reported in mg/L
RPD calculated using sample concentrations per SW846.

Data File: /chem3/fid3a.i/20060516.b/0516a059.d
Date : 16-MAY-2006 23:01
Client ID:
Sample Info: JI53DMS

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

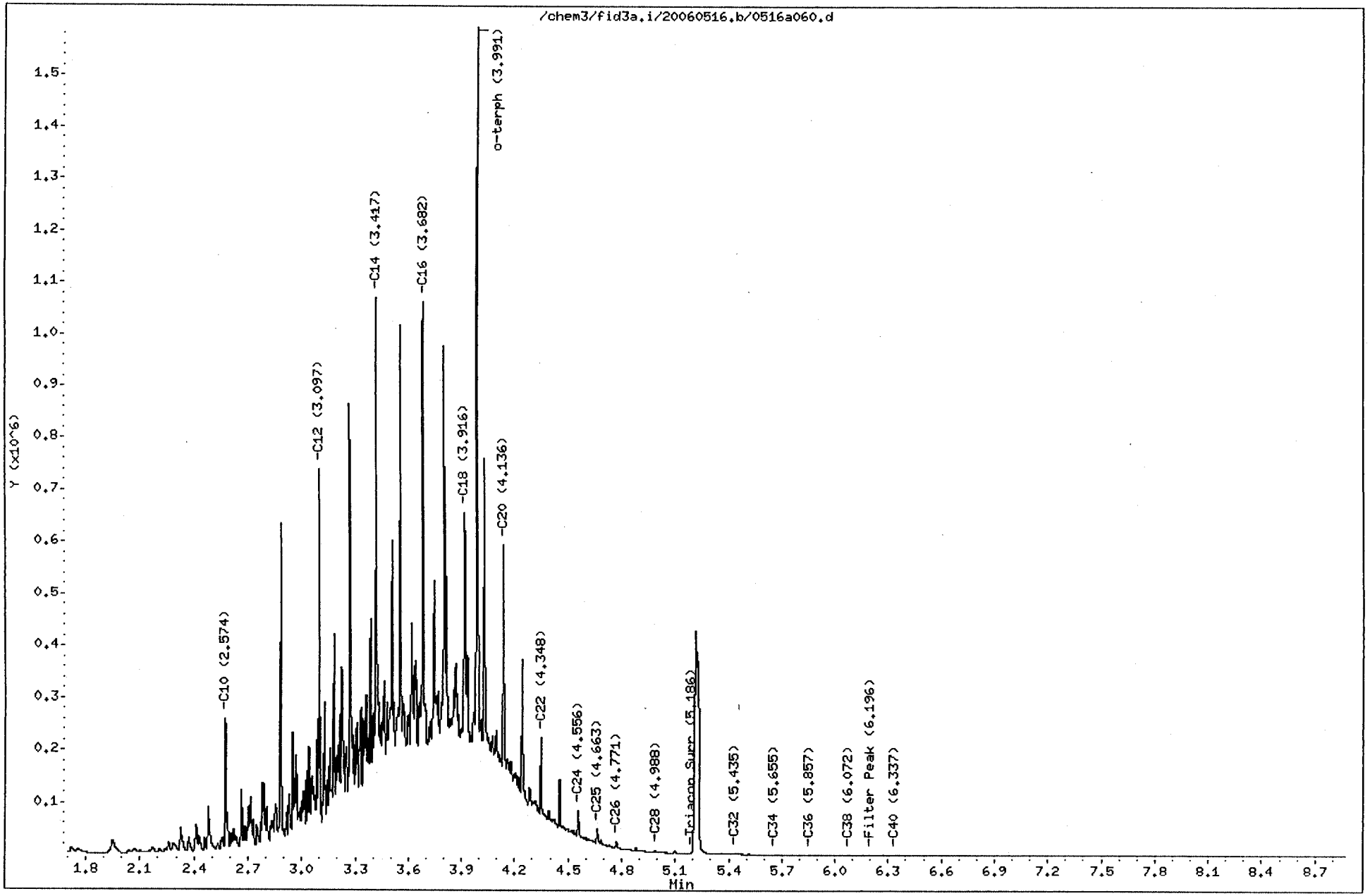


Data File: /chem3/fid3a.i/20060516.b/0516a060.d
Date : 16-MAY-2006 23:18
Client ID:
Sample Info: JI53DMSD

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: LCS-051206
LAB CONTROL

Lab Sample ID: LCS-051206
LIMS ID: 06-7815
Matrix: Water
Data Release Authorized:
Reported: 05/24/06

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Date Extracted: 05/12/06
Date Analyzed: 05/15/06 11:14
Instrument/Analyst: FID3A/AAR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	2.78	3.00	92.7%

TPHD Surrogate Recovery

o-Terphenyl	97.6%

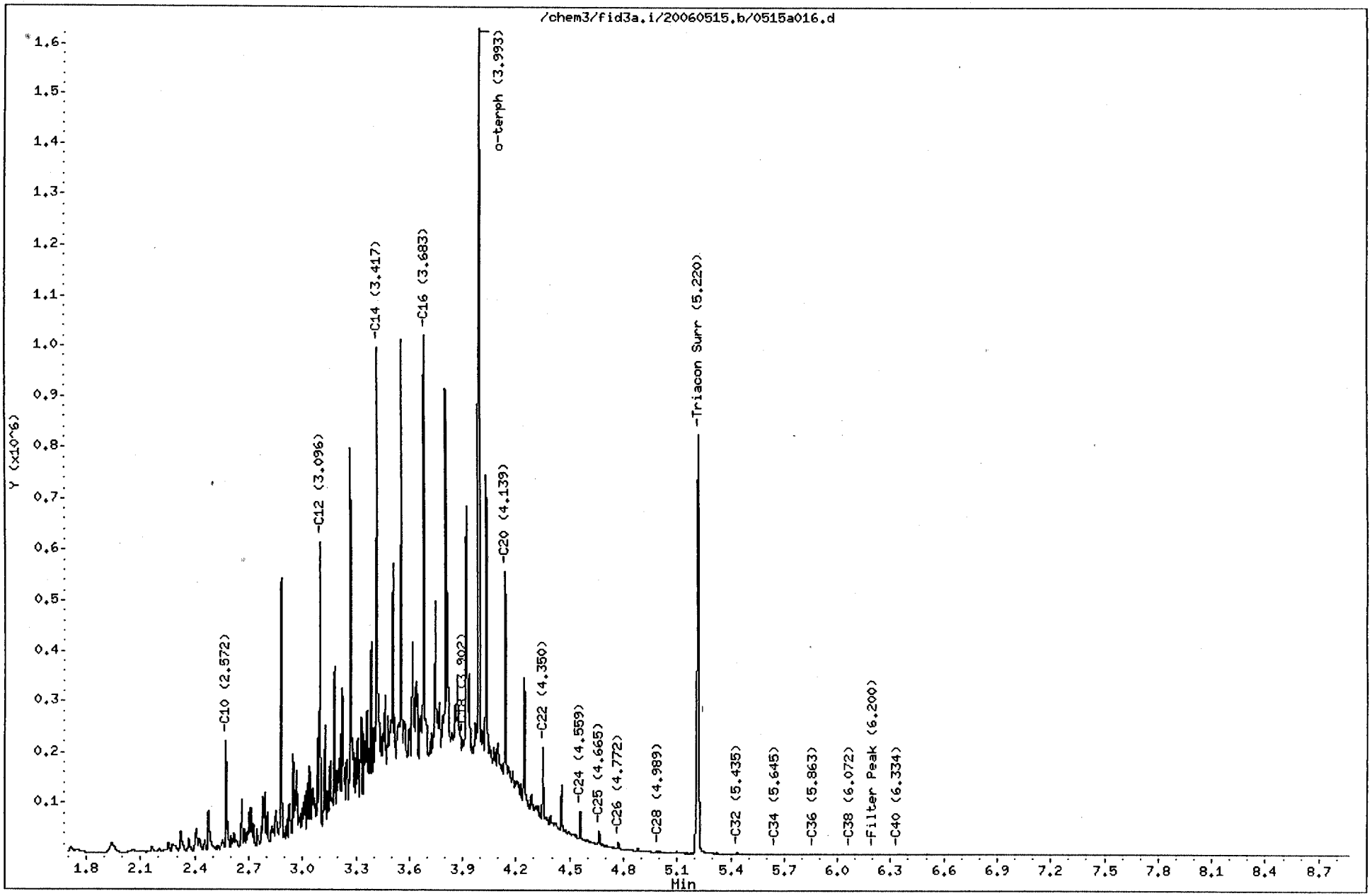
Results reported in mg/L

Data File: /chem3/fid3a.i/20060515.b/0515a016.d
Date : 15-MAY-2006 11:14
Client ID: JI50LCSW1
Sample Info: JI50LCSW1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: LCS-051506
LAB CONTROL

Lab Sample ID: LCS-051506
LIMS ID: 06-7816
Matrix: Water
Data Release Authorized:
Reported: 05/24/06

QC Report No: JI53-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Date Extracted: 05/15/06
Date Analyzed: 05/17/06 03:19
Instrument/Analyst: FID3A/AAR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	2.73	3.00	91.0%

TPHD Surrogate Recovery

o-Terphenyl	93.1%

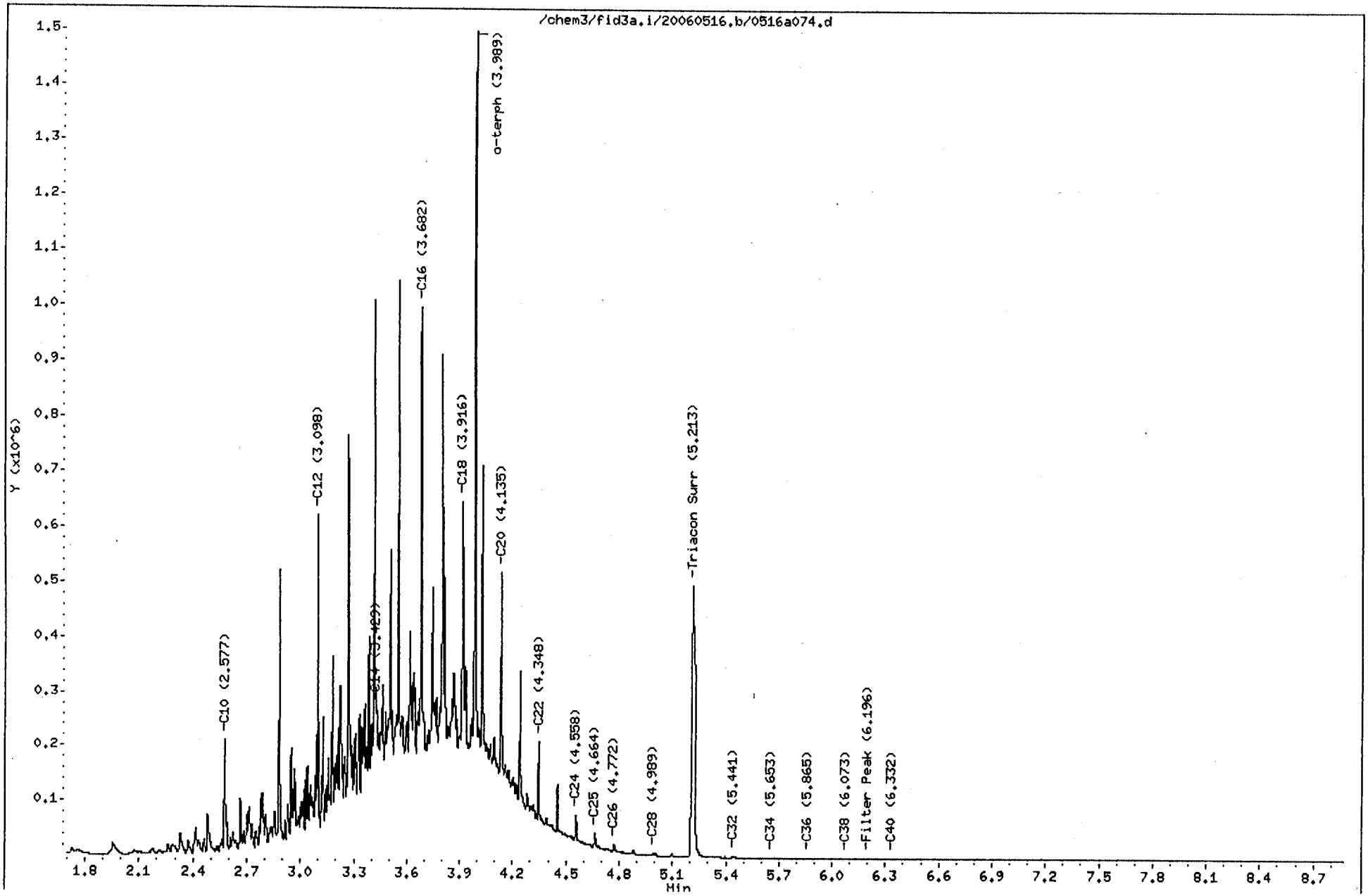
Results reported in mg/L

Data File: /chem3/fid3a.i/20060516.b/0516a074.d
Date : 17-MAY-2006 03:19
Client ID:
Sample Info: JI98LCSW1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: JI53
Project: Leathercare 38057-47522

Matrix: Water
Date Received: 05/08/06

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
06-7812-JI53A	MW5	500 mL	1.00 mL	05/12/06
06-7813-JI53B	MW4	500 mL	1.00 mL	05/12/06
06-7814-JI53C	MW6	500 mL	1.00 mL	05/12/06
06-7815-051206MB1	Method Blank	500 mL	1.00 mL	05/12/06
06-7815-051206LCS1	Lab Control	500 mL	1.00 mL	05/12/06
06-7815-JI53D	MW1	500 mL	1.00 mL	05/12/06
06-7815-JI53DMS	MW1	500 mL	1.00 mL	05/12/06
06-7815-JI53DMSD	MW1	500 mL	1.00 mL	05/12/06
06-7816-051506MB1	Method Blank	500 mL	1.00 mL	05/15/06
06-7816-051506LCS1	Lab Control	500 mL	1.00 mL	05/15/06
06-7816-JI53E	MW2	500 mL	1.00 mL	05/15/06
06-7816-JI53ERE	MW2	500 mL	1.00 mL	05/15/06
06-7817-JI53F	MW8	500 mL	1.00 mL	05/12/06
06-7818-JI53G	MW7	500 mL	1.00 mL	05/12/06

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW5
ARI ID: 06-7812 JI53A

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#1	SM 2320	mg/L CaCO3	1.0	405
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	405
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	2.0	17.6
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	4.0	48.7
Chemical Oxygen Demand	05/10/06 051006#1	EPA 410.4	mg/L	5.00	17.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW4
ARI ID: 06-7813 JI53B

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#1	SM 2320	mg/L CaCO3	1.0	407
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	407
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	2.0	14.3
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	4.0	47.4
Chemical Oxygen Demand	05/10/06 051006#1	EPA 410.4	mg/L	5.00	57.1

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW6
ARI ID: 06-7814 JI53C

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#1	SM 2320	mg/L CaCO3	1.0	344
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	344
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	2.0	13.3
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	4.0	42.8
Chemical Oxygen Demand	05/10/06 051006#1	EPA 410.4	mg/L	5.00	12.7

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW1
ARI ID: 06-7815 JI53D

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#2	SM 2320	mg/L CaCO3	1.0	161
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	161
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	1.0	4.8
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	30.0
Chemical Oxygen Demand	05/16/06 051606#1	EPA 410.4	mg/L	5.00	7.56

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW2
ARI ID: 06-7816 JI53E

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#2	SM 2320	mg/L CaCO3	1.0	190
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	190
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	1.0	7.7
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	32.1
Chemical Oxygen Demand	05/10/06 051006#1	EPA 410.4	mg/L	5.00	< 5.00 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW8
ARI ID: 06-7817 JI53F

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#1	SM 2320	mg/L CaCO3	1.0	427
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	427
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/19/06 051906#1	EPA 325.2	mg/L	2.0	12.7
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	24.1
Chemical Oxygen Demand	05/10/06 051006#1	EPA 410.4	mg/L	5.00	36.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Client ID: MW7
ARI ID: 06-7818 JI53G

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/09/06 050906#1	SM 2320	mg/L CaCO3	1.0	450
Carbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/09/06	SM 2320	mg/L CaCO3	1.0	450
Hydroxide	05/09/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/19/06 051906#1	EPA 325.2	mg/L	2.0	15.5
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	13.6
Chemical Oxygen Demand	05/10/06 051006#1	EPA 410.4	mg/L	5.00	41.4

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
Chloride	EPA 325.2	05/15/06	mg/L	< 1.0 U
		05/19/06		< 1.0 U
Sulfate	EPA 375.2	05/15/06	mg/L	< 2.0 U
Chemical Oxygen Demand	EPA 410.4	05/10/06	mg/L	< 5.00 U
		05/16/06		< 5.00 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Alkalinity ERA #P114506	SM 2320	05/09/06	mg/L CaCO3	79.0	83.9	94.2%
Chloride ERA #38084	EPA 325.2	05/15/06 05/19/06	mg/L	4.8 4.9	5.0 5.0	96.0% 98.0%
Sulfate ERA #37065	EPA 375.2	05/15/06	mg/L	25.2	25.0	100.8%
Chemical Oxygen Demand Thermo Orion #I01	EPA 410.4	05/10/06 05/16/06	mg/L	89.1 91.6	90.0 90.0	99.0% 101.8%

REPLICATE RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JI53A Client ID: MW5						
Alkalinity	SM 2320	05/09/06	mg/L CaCO3	405	406	0.2%
Carbonate	SM 2320	05/09/06	mg/L CaCO3	< 1.0	< 1.0	NA
Bicarbonate	SM 2320	05/09/06	mg/L CaCO3	405	406	0.2%
Hydroxide	SM 2320	05/09/06	mg/L CaCO3	< 1.0	< 1.0	NA
Chloride	EPA 325.2	05/15/06	mg/L	17.6	17.5	0.6%
Sulfate	EPA 375.2	05/15/06	mg/L	48.7	47.3	2.9%
ARI ID: JI53D Client ID: MW1						
Alkalinity	SM 2320	05/09/06	mg/L CaCO3	161	162	0.6%
Carbonate	SM 2320	05/09/06	mg/L CaCO3	< 1.0	< 1.0	NA
Bicarbonate	SM 2320	05/09/06	mg/L CaCO3	161	162	0.6%
Hydroxide	SM 2320	05/09/06	mg/L CaCO3	< 1.0	< 1.0	NA
Chemical Oxygen Demand	EPA 410.4	05/16/06	mg/L	7.56	6.87	9.6%

MS/MSD RESULTS-CONVENTIONALS
JI53-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/08/06
Date Received: 05/08/06

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JI53A Client ID: MW5							
Chloride	EPA 325.2	05/15/06	mg/L	17.6	43.4	25.0	103.2%
Sulfate	EPA 375.2	05/15/06	mg/L	48.7	152	100	103.3%
ARI ID: JI53D Client ID: MW1							
Chemical Oxygen Demand	EPA 410.4	05/16/06	mg/L	7.56	47.7	38.0	105.6%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 2, 2006

Ms. Pam Morrill
CDM
11811 NE 1st, Suite 201
Bellevue, WA 98009

RE: Project ID: 38057-47522 Leathercare
ARI Job No: JI64

Dear Pam:

Please find enclosed the original chain of custody documentation (COCs) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) accepted ten water samples and a Trip Blank on May 9, 2006. The samples were received in good condition with no discrepancies in paperwork.

The samples were analyzed for volatile organic compounds 8260B, Diesel by NWTPHDx, Dissolved Gases by RSK-175 and a set of conventional parameters as instructed on the COC. Volatile samples analyses following low level methods were completed with no issues, so follow-up by 8260-SIM for Vinyl Chloride was unnecessary.

A small amount of sample MW12 was lost during the extraction process (less than 10%). No action was taken at that time. The surrogate recovery of MW12 was within limits at 75.6%, but this recovery was ~10% lower than the average surrogate recovery of the other samples in the job. As detected response in the diesel range was less than ½ the RL, no further corrective action was necessary. There were no other anomalies associated with this set of samples.

Diesel chromatograms have been included for your inspection.

A copy of these reports and the supporting data will remain on file electronically with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan D. Dunnihoo
Project Manager
Phone: 206-695-6207
sue@arilabs.com

cc: Efile JI64

Enclosures

CDM

I164 14.0/5.0/8.0

CHAIN-OF-CUSTODY

Date 5/9/06 Page 1 of 2

PROJECT INFORMATION

Project Manager: Pam Morrill
Project Name: Leatherleaf
Project Number: 38057-47522
Site Location: Seattle Sampled By:

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)
Disposal Method:
Disposed by: Disposal Date:

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
MW3	5/9/06	0845	Water	
MW12	5/9/06	0950	Water	
LC6	5/9/06	1050	Water	
LC3	5/9/06	1155	Water	
LC1	5/9/06	1245	Water	
LC4	5/9/06	1340	Water	
LC2	5/9/06	1500	Water	
LC5	5/9/06	1620	Water	

PETROLEUM HYDROCARBONS							ORGANIC COMPOUNDS									PESTS/PCBs					METALS						LEACHING TESTS				OTHER				NUMBER OF CONTAINERS
TPH-HCID	TPH-G	TPH-Dx	TPH-418.1	8015M Fuel Hydrocarbon	TPH Special Instructions		8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8250 GC/MS Volatiles (20-mL purge)	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles		8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest		Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)		TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	COD	SO_4/Cl	$Alk/CO_3/HCO_3$	diss. methane, ethane, ethene	
State:	State:	State: NW	State:																															
		✓								✓																					✓	✓	✓	✓	12
		✓								✓																					✓	✓	✓	✓	12
		✓								✓																					✓	✓	✓	✓	12
		✓								✓																					✓	✓	✓	✓	12
		✓								✓																					✓	✓	✓	✓	12
		✓								✓																					✓	✓	✓	✓	13
		✓								✓																					✓	✓	✓	✓	12
		✓								✓																					✓	✓	✓	✓	12

LAB INFORMATION

Lab Name: ARI
Lab Address: 4611 S 134th Place
Tukwila, WA 98168
Via: Hand-delivered

SAMPLE RECEIPT

Total Number of Containers:	
Chain-of-Custody Seals: Y/N/NA	
Intact?: Y/N/NA	
Received in Good Condition/Cold:	

Turn Around Time: ☒ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions: Extra vials for simvc (.2ppb) if 20-mL purge not doable

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Mary Lou Fox Time: 1750	Signature: Time:	Signature: Time:
Printed Name: Mary Lou Fox Date: 5/9/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 1750	Signature: Time:	Signature: Time:
Printed Name: ERIC BRANSON Date: 5/9/06	Printed Name: Date:	Printed Name: Date:
Company: ARI	Company:	Company:

DISTRIBUTION: White, Canary to Analytical Laboratory; Pink to CDM Project Files; Gold to CDM Disposal Files

CDM

T164

CHAIN-OF-CUSTODY

Date 5/9/06 Page 2 of 2

PROJECT INFORMATION

Project Manager: Pam Morrill
Project Name: Leathercare
Project Number: 38057-47522
Site Location: Seattle Sampled By:

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)
Disposal Method:
Disposed by: Disposal Date:

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

PETROLEUM HYDROCARBONS								ORGANIC COMPOUNDS										PESTS/PCBs					METALS						LEACHING TESTS				OTHER				NUMBER OF CONTAINERS
TPH-HCID State:	TPH-G State:	TPH-D State: NW	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8260 GC/MS Volatiles (20 mL purge)	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	COD	TOC	diss. methane, ethane, ethene	
									↓																			✓	✓	✓		
		✓																																		

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
Field Blank	5/9/06	1348	Water	
LCD	5/9/06	1700	Water	

LAB INFORMATION

Lab Name: ARI
Lab Address: 4611 S 134th Place
Tukwila, WA 98168
Via:

SAMPLE RECEIPT

Total Number of Containers:
Chain-of-Custody Seals: Y/N/NA
Intact?: Y/N/NA
Received in Good Condition/Cold:

Turn Around Time: ☒ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions: Extra VOA vials provided for s/m vc (.2ppbL) if 20 mL purge not doable

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: MaryLou Fox Time: 1750	Signature: Time:	Signature: Time:
Printed Name: MaryLou Fox Date: 5/9/06	Printed Name: Date:	Printed Name: Date:
Company: COM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 1750	Signature: Time:	Signature: Time:
Printed Name: Eric Branson Date: 5/9/06	Printed Name: Date:	Printed Name: Date:
Company: ARI	Company:	Company:

CDM OFFICES: Bellevue: (206) 453-8383 Portland: (503) 232-1800

DISTRIBUTION: White, Canary to Analytical Laboratory; Pink to CDM Project Files; Gold to CDM Disposal Files

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI64-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-051806	Method Blank	20	92.2%	101%	92.8%	106%	0
LCS-051806	Lab Control	20	96.2%	97.0%	98.2%	92.0%	0
LCSD-051806	Lab Control Dup	20	91.0%	94.2%	92.0%	90.2%	0
JI64A	MW3	20	91.8%	96.5%	92.5%	104%	0
JI64B	MW12	20	93.0%	102%	92.0%	104%	0
JI64C	LC6	20	100%	100%	94.2%	104%	0
JI64D	LC3	20	97.0%	96.8%	89.0%	107%	0
MB-052206	Method Blank	20	108%	98.2%	91.8%	102%	0
LCS-052206	Lab Control	20	109%	102%	104%	97.2%	0
LCSD-052206	Lab Control Dup	20	102%	97.0%	99.8%	89.0%	0
JI64E	LC1	20	112%	99.8%	94.5%	110%	0
MB-051906	Method Blank	20	100%	98.8%	95.8%	104%	0
LCS-051906	Lab Control	20	91.8%	95.0%	92.2%	87.5%	0
LCSD-051906	Lab Control Dup	20	109%	96.5%	99.5%	93.5%	0
JI64F	LC4	20	108%	99.8%	97.2%	102%	0
JI64G	LC2	20	110%	98.5%	95.0%	102%	0
JI64H	LC5	20	111%	100%	102%	107%	0
JI64I	Field Blank	20	106%	95.8%	91.0%	100%	0
JI64J	LC0	20	115%	90.8%	97.0%	104%	0
JI64K	TRIP BLANK	20	108%	96.8%	94.5%	102%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260B	5mL Purge	20mL Purge	5mL Purge	20mL Purge
(DCE) = d4-1,2-Dichloroethane	70-134	63-127	66-142	66-139
(TOL) = d8-Toluene	78-123	77-117	75-124	82-123
(BFB) = Bromofluorobenzene	78-121	68-116	75-121	71-113
(DCB) = d4-1,2-Dichlorobenzene	79-116	79-113	78-124	84-125

Prep Method: SW5030B
Log Number Range: 06-7893 to 06-7903

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW3**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64A
LIMS ID: 06-7893
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 02:21

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.2**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.2**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW3
  SAMPLE

Lab Sample ID: JI64A QC Report No: JI64-CDM
LIMS ID: 06-7893 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 02:21

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	91.8%
d8-Toluene	96.5%
Bromofluorobenzene	92.5%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MW12**
 SAMPLE

Lab Sample ID: JI64B
LIMS ID: 06-7894
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 02:49

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.8**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MW12
 SAMPLE

Lab Sample ID: JI64B QC Report No: JI64-CDM
LIMS ID: 06-7894 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 02:49

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	93.0%
d8-Toluene	102%
Bromofluorobenzene	92.0%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC6**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64C
LIMS ID: 06-7895
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 03:16

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**1.2**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.7**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**2.4**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC6
 SAMPLE

Lab Sample ID: JI64C QC Report No: JI64-CDM
LIMS ID: 06-7895 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 03:16

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	100%
Bromofluorobenzene	94.2%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC3**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64D
LIMS ID: 06-7896
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 03:43

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**2.0**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.3**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**2.4**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	**1,1,1-Trichloroethane**	**0.2**	**0.2**	
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**0.6**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**2.9**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC3
 SAMPLE

Lab Sample ID: JI64D QC Report No: JI64-CDM
LIMS ID: 06-7896 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 03:43

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.0%
d8-Toluene	96.8%
Bromofluorobenzene	89.0%
d4-1,2-Dichlorobenzene	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC1**
 SAMPLE

Lab Sample ID: JI64E
LIMS ID: 06-7897
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 17:31

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**1.1**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.5**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**5.9**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**2.8**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**2.0**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC1
 SAMPLE

Lab Sample ID: JI64E QC Report No: JI64-CDM
LIMS ID: 06-7897 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/22/06 17:31

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	112%
d8-Toluene	99.8%
Bromofluorobenzene	94.5%
d4-1,2-Dichlorobenzene	110%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC4**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64F
LIMS ID: 06-7898
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 17:50

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**2.6**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.5**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.4**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**7.6**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**2.4**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	**Benzene**	**0.2**	**0.7**	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**14**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B

Sample ID: LC4 SAMPLE

Lab Sample ID: JI64F
LIMS ID: 06-7898
Matrix: Water
Date Analyzed: 05/19/06 17:50

QC Report No: JI64-CDM
Project: Leathercare 38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	99.8%
Bromofluorobenzene	97.2%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC2**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64G
LIMS ID: 06-7899
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 18:17

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**2.8**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**2.3**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	**1,1-Dichloroethane**	**0.2**	**0.4**	
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.9**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**14**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**4.0**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	**Benzene**	**0.2**	**0.4**	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**9.4**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC2
 SAMPLE

Lab Sample ID: JI64G QC Report No: JI64-CDM
LIMS ID: 06-7899 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 18:17

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	98.5%
Bromofluorobenzene	95.0%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC5**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64H
LIMS ID: 06-7900
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 18:44

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**4.8**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**2.1**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**3.4**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**0.5**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**0.4**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC5
 SAMPLE

Lab Sample ID: JI64H QC Report No: JI64-CDM
LIMS ID: 06-7900 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 18:44

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	111%
d8-Toluene	100%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: Field Blank**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64I
LIMS ID: 06-7901
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 19:12

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**5.2**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	**Toluene**	**0.2**	**0.4**	
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B

Sample ID: Field Blank
SAMPLE

Lab Sample ID: JI64I
LIMS ID: 06-7901
Matrix: Water
Date Analyzed: 05/19/06 19:12

QC Report No: JI64-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	106%
d8-Toluene	95.8%
Bromofluorobenzene	91.0%
d4-1,2-Dichlorobenzene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LC0**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI64J
LIMS ID: 06-7902
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 19:39

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**2.6**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**1.7**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.4**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**7.9**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**2.4**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	**Benzene**	**0.2**	**0.6**	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**14**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LC0
 SAMPLE

Lab Sample ID: JI64J QC Report No: JI64-CDM
LIMS ID: 06-7902 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/19/06 19:39

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	115%
d8-Toluene	90.8%
Bromofluorobenzene	97.0%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: TRIP BLANK SAMPLE**

Lab Sample ID: JI64K
LIMS ID: 06-7903
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare 38057-47522
Date Sampled: 03/08/06
Date Received: 05/09/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 20:06

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	**Methylene Chloride**	**0.3**	**0.4**	
67-64-1	**Acetone**	**1.0**	**1.5**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	**Styrene**	**0.2**	**0.3**	
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 2 of 2

Sample ID: TRIP BLANK SAMPLE

Lab Sample ID: JI64K
LIMS ID: 06-7903
Matrix: Water
Date Analyzed: 05/19/06 20:06

QC Report No: JI64-CDM
Project: Leathercare 38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	96.8%
Bromofluorobenzene	94.5%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-051806**
 METHOD BLANK

Lab Sample ID: MB-051806
LIMS ID: 06-7893
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/18/06 18:08

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MB-051806
 METHOD BLANK

Lab Sample ID: MB-051806 QC Report No: JI64-CDM
LIMS ID: 06-7893 Project: Leathercare
Matrix: Water 38057-47522
Date Analyzed: 05/18/06 18:08

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	92.2%
d8-Toluene	101%
Bromofluorobenzene	92.8%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-051906**
 METHOD BLANK

Lab Sample ID: MB-051906
LIMS ID: 06-7898
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/19/06 11:20

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B
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Sample ID: MB-051906
METHOD BLANK

Lab Sample ID: MB-051906
LIMS ID: 06-7898
Matrix: Water
Date Analyzed: 05/19/06 11:20

QC Report No: JI64-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	98.8%
Bromofluorobenzene	95.8%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: MB-052206**
 METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-7897
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 10:52

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 2 of 2

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-7897
Matrix: Water
Date Analyzed: 05/22/06 10:52

QC Report No: JI64-CDM
Project: Leathercare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	98.2%
Bromofluorobenzene	91.8%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-051806**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-051806
LIMS ID: 06-7893
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN3/PAB
LCSD: FINN3/PAB
Date Analyzed LCS: 05/18/06 17:20
LCSD: 05/18/06 17:41

Sample Amount LCS: 20.0 mL
LCSD: 20.0 mL
Purge Volume LCS: 20.0 mL
LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.5	4.0	87.5%	3.4	4.0	85.0%	2.9%
Bromomethane	3.6	4.0	90.0%	3.5	4.0	87.5%	2.8%
Vinyl Chloride	3.7	4.0	92.5%	3.4	4.0	85.0%	8.5%
Chloroethane	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
Methylene Chloride	3.7	4.0	92.5%	3.4	4.0	85.0%	8.5%
Acetone	17.4	20.0	87.0%	18.3	20.0	91.5%	5.0%
Carbon Disulfide	3.9	4.0	97.5%	3.6	4.0	90.0%	8.0%
1,1-Dichloroethene	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
1,1-Dichloroethane	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
trans-1,2-Dichloroethene	3.7	4.0	92.5%	3.5	4.0	87.5%	5.6%
cis-1,2-Dichloroethene	3.9	4.0	97.5%	3.8	4.0	95.0%	2.6%
Chloroform	3.9	4.0	97.5%	3.6	4.0	90.0%	8.0%
1,2-Dichloroethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
2-Butanone	16.8	20.0	84.0%	16.0	20.0	80.0%	4.9%
1,1,1-Trichloroethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Carbon Tetrachloride	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Vinyl Acetate	3.5	4.0	87.5%	3.4	4.0	85.0%	2.9%
Bromodichloromethane	4.2	4.0	105%	4.0	4.0	100%	4.9%
1,2-Dichloropropane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
cis-1,3-Dichloropropene	3.1	4.0	77.5%	3.0	4.0	75.0%	3.3%
Trichloroethene	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Dibromochloromethane	3.3	4.0	82.5%	3.1	4.0	77.5%	6.2%
1,1,2-Trichloroethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Benzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
trans-1,3-Dichloropropene	3.2	4.0	80.0%	2.9	4.0	72.5%	9.8%
2-Chloroethylvinylether	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Bromoform	3.5	4.0	87.5%	3.4	4.0	85.0%	2.9%
4-Methyl-2-Pentanone (MIBK)	18.5	20.0	92.5%	17.5	20.0	87.5%	5.6%
2-Hexanone	19.3	20.0	96.5%	17.2	20.0	86.0%	11.5%
Tetrachloroethene	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
1,1,2,2-Tetrachloroethane	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
Toluene	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
Chlorobenzene	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Ethylbenzene	4.3	4.0	108%	4.0	4.0	100%	7.2%
Styrene	4.2	4.0	105%	4.0	4.0	100%	4.9%
Trichlorofluoromethane	3.9	4.0	97.5%	3.8	4.0	95.0%	2.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-051806
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-051806 QC Report No: JI64-CDM
LIMS ID: 06-7893 Project: Leathercare
Matrix: Water 38057-47522

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
1,1,2-Trichloro-1,2,2-trifluoroetha	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
m,p-Xylene	8.0	8.0	100%	7.8	8.0	97.5%	2.5%
o-Xylene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
1,2-Dichlorobenzene	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
1,3-Dichlorobenzene	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,4-Dichlorobenzene	3.6	4.0	90.0%	3.6	4.0	90.0%	0.0%
Acrolein	17.4	20.0	87.0%	16.4	20.0	82.0%	5.9%
Methyl Iodide	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Bromoethane	3.8	4.0	95.0%	3.7	4.0	92.5%	2.7%
Acrylonitrile	3.6	4.0	90.0%	3.4	4.0	85.0%	5.7%
1,1-Dichloropropene	3.8	4.0	95.0%	3.7	4.0	92.5%	2.7%
Dibromomethane	3.8	4.0	95.0%	3.5	4.0	87.5%	8.2%
1,1,1,2-Tetrachloroethane	3.6	4.0	90.0%	3.4	4.0	85.0%	5.7%
1,2-Dibromo-3-chloropropane	3.5	4.0	87.5%	3.2	4.0	80.0%	9.0%
1,2,3-Trichloropropane	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
trans-1,4-Dichloro-2-butene	3.6	4.0	90.0%	3.5	4.0	87.5%	2.8%
1,3,5-Trimethylbenzene	4.1	4.0	102%	4.0	4.0	100%	2.5%
1,2,4-Trimethylbenzene	4.1	4.0	102%	4.0	4.0	100%	2.5%
Hexachlorobutadiene	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
Ethylene Dibromide	3.5	4.0	87.5%	3.3	4.0	82.5%	5.9%
Bromochloromethane	3.8	4.0	95.0%	3.7	4.0	92.5%	2.7%
2,2-Dichloropropane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,3-Dichloropropane	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
Isopropylbenzene	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
n-Propylbenzene	4.3	4.0	108%	4.2	4.0	105%	2.4%
Bromobenzene	3.8	4.0	95.0%	3.7	4.0	92.5%	2.7%
2-Chlorotoluene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
4-Chlorotoluene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
tert-Butylbenzene	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
sec-Butylbenzene	4.1	4.0	102%	4.0	4.0	100%	2.5%
4-Isopropyltoluene	4.0	4.0	100%	4.1	4.0	102%	2.5%
n-Butylbenzene	4.1	4.0	102%	3.9	4.0	97.5%	5.0%
1,2,4-Trichlorobenzene	3.6	4.0	90.0%	3.6	4.0	90.0%	0.0%
Naphthalene	3.5	4.0	87.5%	3.4	4.0	85.0%	2.9%
1,2,3-Trichlorobenzene	3.5	4.0	87.5%	3.4	4.0	85.0%	2.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	96.2%	91.0%
d8-Toluene	97.0%	94.2%
Bromofluorobenzene	98.2%	92.0%
d4-1,2-Dichlorobenzene	92.0%	90.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-051906**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-051906
LIMS ID: 06-7898
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN3/PAB
LCSD: FINN3/PAB
Date Analyzed LCS: 05/19/06 10:14
LCSD: 05/19/06 10:52

Sample Amount LCS: 20.0 mL
LCSD: 20.0 mL
Purge Volume LCS: 20.0 mL
LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.7	4.0	92.5%	4.1	4.0	102%	10.3%
Bromomethane	3.0	4.0	75.0%	3.1	4.0	77.5%	3.3%
Vinyl Chloride	4.0	4.0	100%	4.2	4.0	105%	4.9%
Chloroethane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
Methylene Chloride	3.4	4.0	85.0%	3.9	4.0	97.5%	13.7%
Acetone	20.5	20.0	102%	24.1	20.0	120%	16.1%
Carbon Disulfide	4.0	4.0	100%	4.4	4.0	110%	9.5%
1,1-Dichloroethene	3.8	4.0	95.0%	4.1	4.0	102%	7.6%
1,1-Dichloroethane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
trans-1,2-Dichloroethene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
cis-1,2-Dichloroethene	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
Chloroform	3.6	4.0	90.0%	3.9	4.0	97.5%	8.0%
1,2-Dichloroethane	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
2-Butanone	17.8	20.0	89.0%	19.7	20.0	98.5%	10.1%
1,1,1-Trichloroethane	3.5	4.0	87.5%	4.0	4.0	100%	13.3%
Carbon Tetrachloride	3.9	4.0	97.5%	3.8	4.0	95.0%	2.6%
Vinyl Acetate	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
Bromodichloromethane	4.0	4.0	100%	4.3	4.0	108%	7.2%
1,2-Dichloropropane	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
cis-1,3-Dichloropropene	3.1	4.0	77.5%	3.3	4.0	82.5%	6.2%
Trichloroethene	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Dibromochloromethane	3.1	4.0	77.5%	3.6	4.0	90.0%	14.9%
1,1,2-Trichloroethane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Benzene	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
trans-1,3-Dichloropropene	3.2	4.0	80.0%	3.4	4.0	85.0%	6.1%
2-Chloroethylvinylether	4.0	4.0	100%	4.4	4.0	110%	9.5%
Bromoform	3.4	4.0	85.0%	3.9	4.0	97.5%	13.7%
4-Methyl-2-Pentanone (MIBK)	17.7	20.0	88.5%	19.4	20.0	97.0%	9.2%
2-Hexanone	18.4	20.0	92.0%	20.3	20.0	102%	9.8%
Tetrachloroethene	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
1,1,2,2-Tetrachloroethane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
Toluene	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
Chlorobenzene	3.6	4.0	90.0%	4.0	4.0	100%	10.5%
Ethylbenzene	4.0	4.0	100%	4.2	4.0	105%	4.9%
Styrene	3.9	4.0	97.5%	4.3	4.0	108%	9.8%
Trichlorofluoromethane	4.1	4.0	102%	4.4	4.0	110%	7.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-051906
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-051906 QC Report No: JI64-CDM
LIMS ID: 06-7898 Project: Leathercare
Matrix: Water 38057-47522

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
1,1,2-Trichloro-1,2,2-trifluoroetha	4.0	4.0	100%	4.2	4.0	105%	4.9%
m,p-Xylene	7.8	8.0	97.5%	8.3	8.0	104%	6.2%
o-Xylene	3.8	4.0	95.0%	4.0	4.0	100%	5.1%
1,2-Dichlorobenzene	3.6	4.0	90.0%	3.8	4.0	95.0%	5.4%
1,3-Dichlorobenzene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
1,4-Dichlorobenzene	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Acrolein	17.2	20.0	86.0%	20.7	20.0	104%	18.5%
Methyl Iodide	3.4	4.0	85.0%	3.6	4.0	90.0%	5.7%
Bromoethane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
Acrylonitrile	3.4	4.0	85.0%	4.1	4.0	102%	18.7%
1,1-Dichloropropene	3.8	4.0	95.0%	3.8	4.0	95.0%	0.0%
Dibromomethane	3.8	4.0	95.0%	3.9	4.0	97.5%	2.6%
1,1,1,2-Tetrachloroethane	3.3	4.0	82.5%	3.7	4.0	92.5%	11.4%
1,2-Dibromo-3-chloropropane	3.3	4.0	82.5%	4.1	4.0	102%	21.6%
1,2,3-Trichloropropane	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
trans-1,4-Dichloro-2-butene	3.7	4.0	92.5%	3.9	4.0	97.5%	5.3%
1,3,5-Trimethylbenzene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
1,2,4-Trimethylbenzene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
Hexachlorobutadiene	3.5	4.0	87.5%	3.7	4.0	92.5%	5.6%
Ethylene Dibromide	3.3	4.0	82.5%	3.7	4.0	92.5%	11.4%
Bromochloromethane	3.5	4.0	87.5%	4.0	4.0	100%	13.3%
2,2-Dichloropropane	3.8	4.0	95.0%	4.2	4.0	105%	10.0%
1,3-Dichloropropane	3.7	4.0	92.5%	4.0	4.0	100%	7.8%
Isopropylbenzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
n-Propylbenzene	4.2	4.0	105%	4.1	4.0	102%	2.4%
Bromobenzene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
2-Chlorotoluene	3.4	4.0	85.0%	4.0	4.0	100%	16.2%
4-Chlorotoluene	3.9	4.0	97.5%	4.1	4.0	102%	5.0%
tert-Butylbenzene	3.7	4.0	92.5%	3.8	4.0	95.0%	2.7%
sec-Butylbenzene	4.0	4.0	100%	4.1	4.0	102%	2.5%
4-Isopropyltoluene	3.9	4.0	97.5%	4.0	4.0	100%	2.5%
n-Butylbenzene	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
1,2,4-Trichlorobenzene	3.5	4.0	87.5%	3.6	4.0	90.0%	2.8%
Naphthalene	3.3	4.0	82.5%	3.4	4.0	85.0%	3.0%
1,2,3-Trichlorobenzene	3.4	4.0	85.0%	3.5	4.0	87.5%	2.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	91.8%	109%
d8-Toluene	95.0%	96.5%
Bromofluorobenzene	92.2%	99.5%
d4-1,2-Dichlorobenzene	87.5%	93.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: LCS-052206**
Page 1 of 2 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-052206
LIMS ID: 06-7897
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN3/PAB
LCSD: FINN3/PAB
Date Analyzed LCS: 05/22/06 09:48
LCSD: 05/22/06 10:24

Sample Amount LCS: 20.0 mL
LCSD: 20.0 mL
Purge Volume LCS: 20.0 mL
LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Bromomethane	3.2	4.0	80.0%	3.1	4.0	77.5%	3.2%
Vinyl Chloride	4.1	4.0	102%	3.8	4.0	95.0%	7.6%
Chloroethane	4.2	4.0	105%	4.0	4.0	100%	4.9%
Methylene Chloride	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Acetone	20.8	20.0	104%	18.8	20.0	94.0%	10.1%
Carbon Disulfide	4.7	4.0	118%	4.4	4.0	110%	6.6%
1,1-Dichloroethene	4.1	4.0	102%	4.0	4.0	100%	2.5%
1,1-Dichloroethane	4.4	4.0	110%	4.2	4.0	105%	4.7%
trans-1,2-Dichloroethene	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
cis-1,2-Dichloroethene	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
Chloroform	4.3	4.0	108%	4.0	4.0	100%	7.2%
1,2-Dichloroethane	4.2	4.0	105%	4.0	4.0	100%	4.9%
2-Butanone	18.9	20.0	94.5%	18.6	20.0	93.0%	1.6%
1,1,1-Trichloroethane	4.5	4.0	112%	4.2	4.0	105%	6.9%
Carbon Tetrachloride	4.5	4.0	112%	4.1	4.0	102%	9.3%
Vinyl Acetate	4.5	4.0	112%	4.2	4.0	105%	6.9%
Bromodichloromethane	4.6	4.0	115%	4.4	4.0	110%	4.4%
1,2-Dichloropropane	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
cis-1,3-Dichloropropene	3.7	4.0	92.5%	3.5	4.0	87.5%	5.6%
Trichloroethene	4.1	4.0	102%	3.9	4.0	97.5%	5.0%
Dibromochloromethane	3.6	4.0	90.0%	3.4	4.0	85.0%	5.7%
1,1,2-Trichloroethane	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
Benzene	4.1	4.0	102%	4.0	4.0	100%	2.5%
trans-1,3-Dichloropropene	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
2-Chloroethylvinylether	4.6	4.0	115%	4.2	4.0	105%	9.1%
Bromoform	4.0	4.0	100%	3.6	4.0	90.0%	10.5%
4-Methyl-2-Pentanone (MIBK)	19.8	20.0	99.0%	18.2	20.0	91.0%	8.4%
2-Hexanone	20.0	20.0	100%	19.0	20.0	95.0%	5.1%
Tetrachloroethene	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
1,1,2,2-Tetrachloroethane	4.1	4.0	102%	4.0	4.0	100%	2.5%
Toluene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
Chlorobenzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
Ethylbenzene	4.4	4.0	110%	4.2	4.0	105%	4.7%
Styrene	4.3	4.0	108%	4.0	4.0	100%	7.2%
Trichlorofluoromethane	4.7	4.0	118%	4.3	4.0	108%	8.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-052206
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-052206 QC Report No: JI64-CDM
LIMS ID: 06-7897 Project: Leathercare
Matrix: Water 38057-47522

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
1,1,2-Trichloro-1,2,2-trifluoroetha	4.6	4.0	115%	4.2	4.0	105%	9.1%
m,p-Xylene	8.3	8.0	104%	8.3	8.0	104%	0.0%
o-Xylene	4.2	4.0	105%	3.9	4.0	97.5%	7.4%
1,2-Dichlorobenzene	4.2	4.0	105%	3.7	4.0	92.5%	12.7%
1,3-Dichlorobenzene	4.2	4.0	105%	3.7	4.0	92.5%	12.7%
1,4-Dichlorobenzene	4.3	4.0	108%	3.8	4.0	95.0%	12.3%
Acrolein	19.0	20.0	95.0%	18.4	20.0	92.0%	3.2%
Methyl Iodide	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
Bromoethane	4.2	4.0	105%	4.1	4.0	102%	2.4%
Acrylonitrile	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,1-Dichloropropene	4.3	4.0	108%	4.0	4.0	100%	7.2%
Dibromomethane	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
1,1,1,2-Tetrachloroethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,2-Dibromo-3-chloropropane	4.3	4.0	108%	3.6	4.0	90.0%	17.7%
1,2,3-Trichloropropane	4.1	4.0	102%	3.8	4.0	95.0%	7.6%
trans-1,4-Dichloro-2-butene	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
1,3,5-Trimethylbenzene	4.6	4.0	115%	4.2	4.0	105%	9.1%
1,2,4-Trimethylbenzene	4.6	4.0	115%	4.2	4.0	105%	9.1%
Hexachlorobutadiene	4.0	4.0	100%	3.5	4.0	87.5%	13.3%
Ethylene Dibromide	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Bromochloromethane	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
2,2-Dichloropropane	5.2	4.0	130%	4.7	4.0	118%	10.1%
1,3-Dichloropropane	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
Isopropylbenzene	4.5	4.0	112%	4.2	4.0	105%	6.9%
n-Propylbenzene	5.0	4.0	125%	4.5	4.0	112%	10.5%
Bromobenzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
2-Chlorotoluene	4.0	4.0	100%	4.3	4.0	108%	7.2%
4-Chlorotoluene	4.4	4.0	110%	4.1	4.0	102%	7.1%
tert-Butylbenzene	4.3	4.0	108%	3.9	4.0	97.5%	9.8%
sec-Butylbenzene	4.7	4.0	118%	4.3	4.0	108%	8.9%
4-Isopropyltoluene	4.6	4.0	115%	4.1	4.0	102%	11.5%
n-Butylbenzene	4.7	4.0	118%	4.2	4.0	105%	11.2%
1,2,4-Trichlorobenzene	3.8	4.0	95.0%	3.5	4.0	87.5%	8.2%
Naphthalene	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
1,2,3-Trichlorobenzene	3.8	4.0	95.0%	3.4	4.0	85.0%	11.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	109%	102%
d8-Toluene	102%	97.0%
Bromofluorobenzene	104%	99.8%
d4-1,2-Dichlorobenzene	97.2%	89.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Water

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Received: 05/09/06

Data Release Authorized:
Reported: 05/22/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/L
MB-051606	Method Blank	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7893	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	88.9%
JI64A	MW3	05/16/06	05/18/06	1.0	**Diesel**	**0.61**
06-7893	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	84.7%
JI64B	MW12	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7894	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	75.6%
JI64C	LC6	05/16/06	05/18/06	1.0	**Diesel**	**0.35**
06-7895	HC ID: **DRO**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	76.2%
JI64D	LC3	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7896	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	88.2%
JI64E	LC1	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7897	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	90.4%
JI64F	LC4	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7898	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	87.1%
JI64G	LC2	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7899	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	81.6%
JI64H	LC5	05/16/06	05/18/06	1.0	**Diesel**	**0.35**
06-7900	HC ID: **DRO**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	84.9%
JI64J	LC0	05/16/06	05/18/06	1.0	Diesel	< 0.25 U
06-7902	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	86.2%

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

Data File: /chem3/fid3a.i/20060516.b/0516a198.d

Date : 18-MAY-2006 18:06

Client ID:

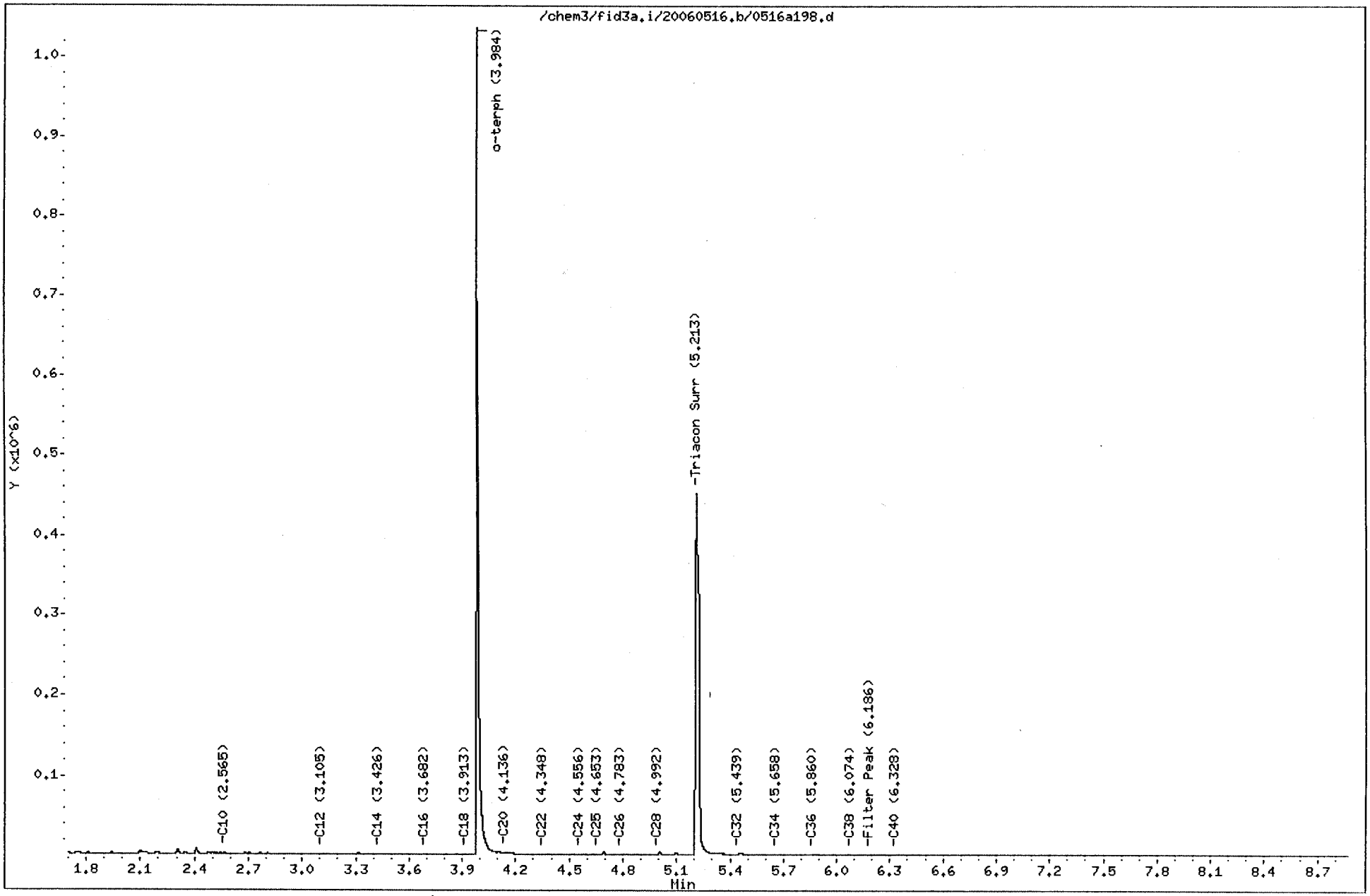
Sample Info: JI64MBW1

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25



Data File: /chem3/fid3a.i/20060516.b/0516a200.d

Date : 18-MAY-2006 18:41

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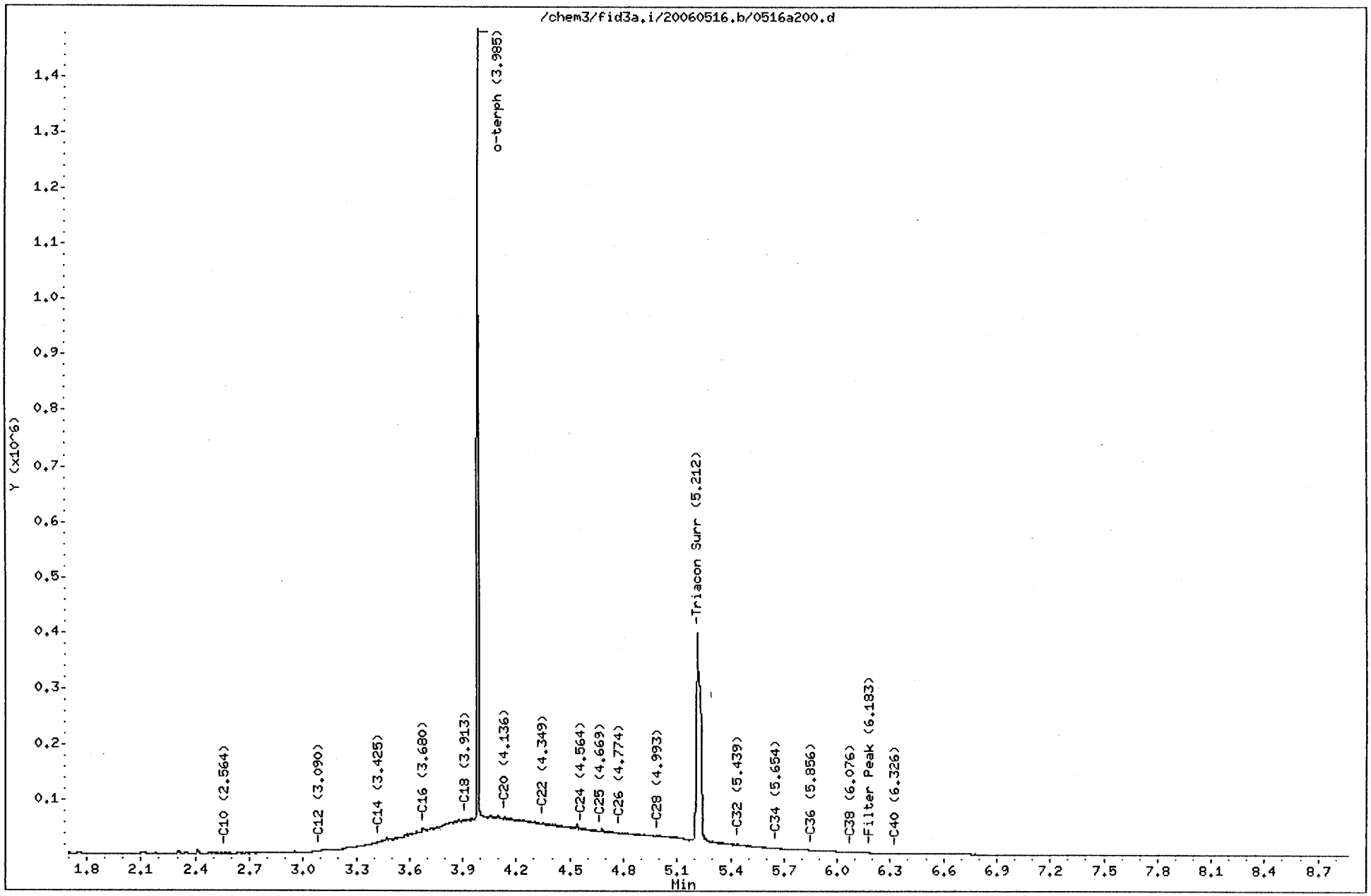
Sample Info: JI64A

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

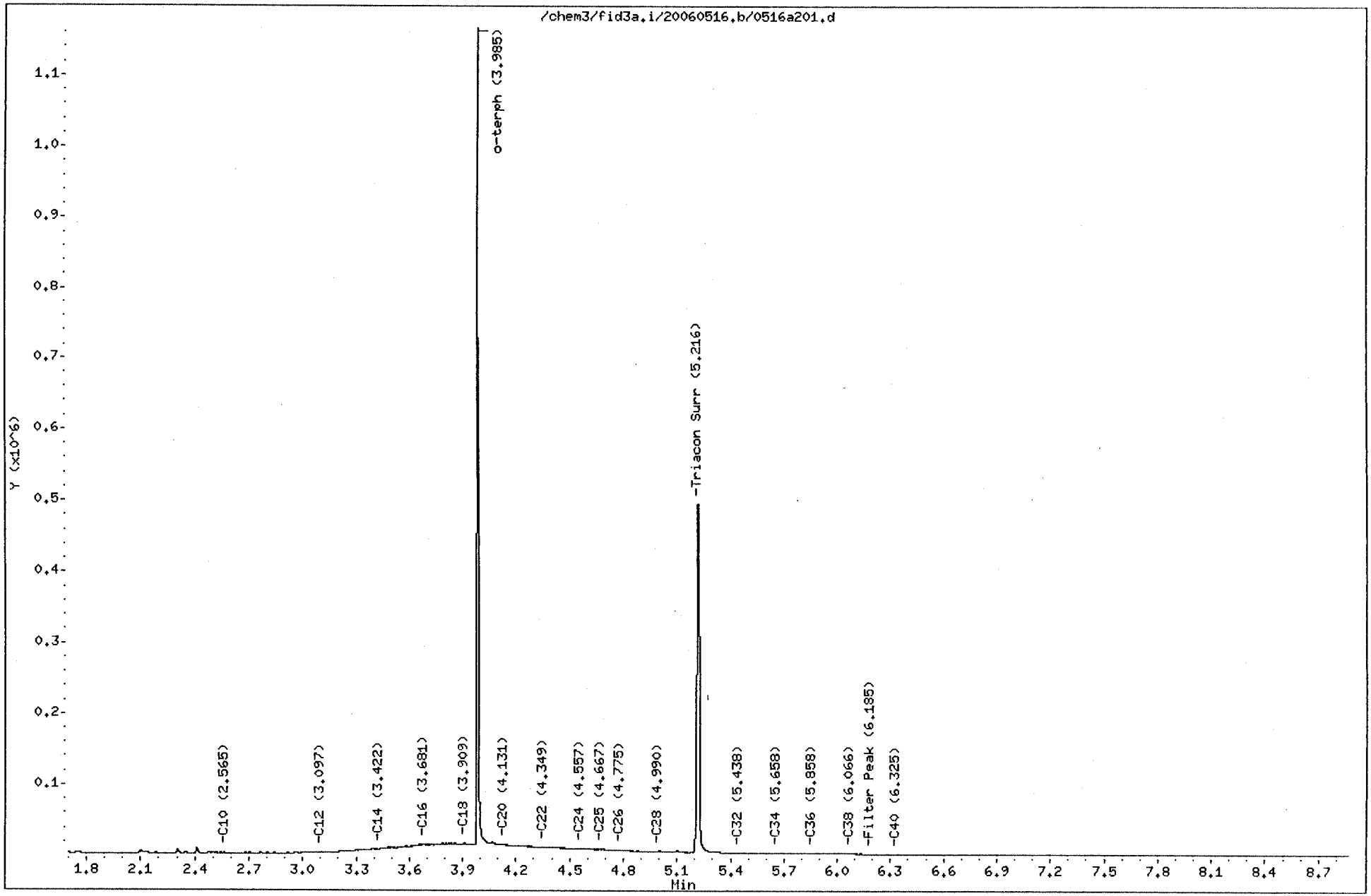


Data File: /chem3/fid3a.i/20060516.b/0516a201.d
Date : 18-MAY-2006 18:59
Client ID:
Sample Info: JI64B

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

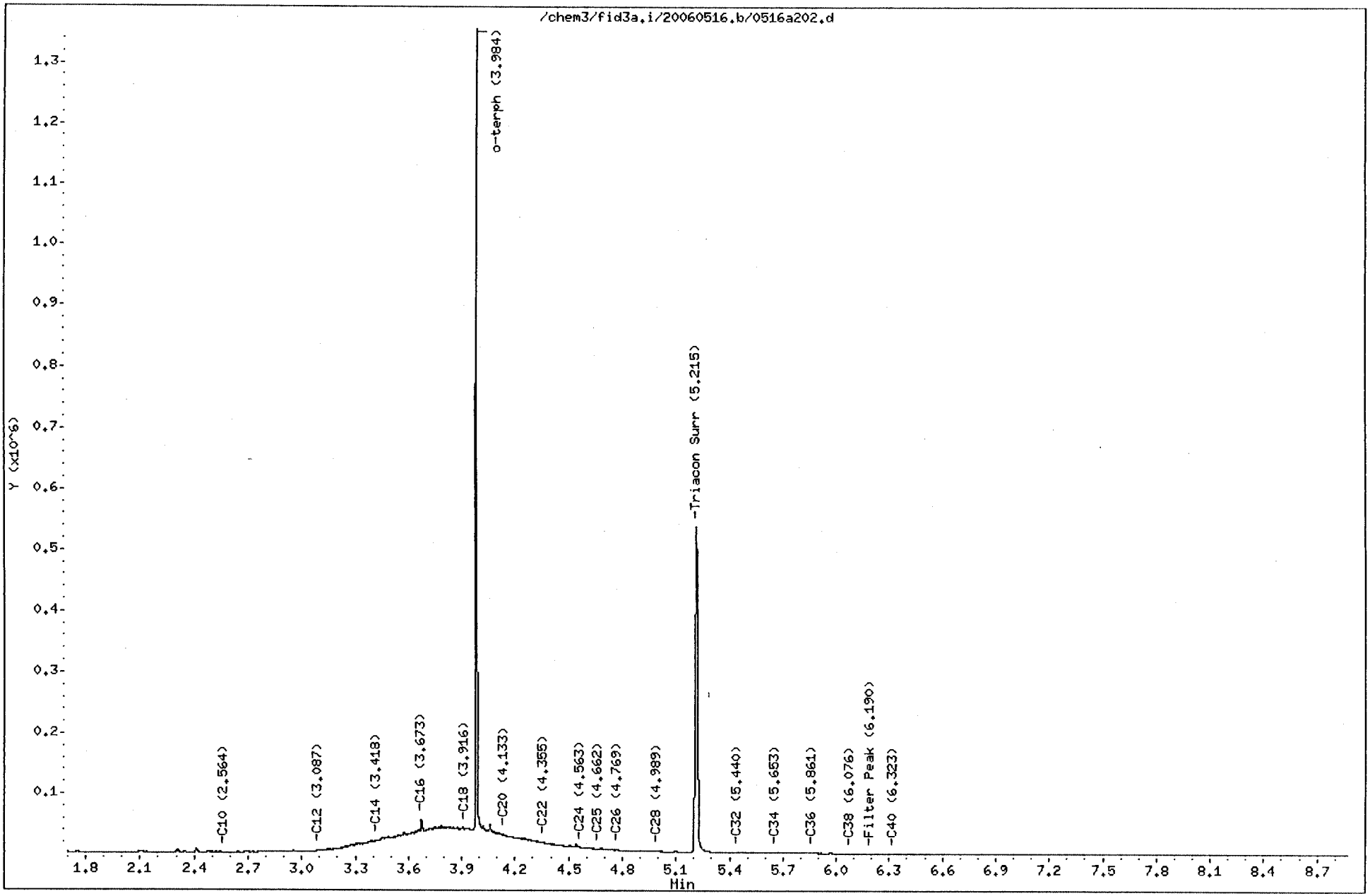


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Date : 18-MAY-2006 19:16
Client ID:
Sample Info: JI64C

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



Data File: /chem3/fid3a.i/20060516.b/0516a203.d

Date : 18-MAY-2006 19:34

Client ID:

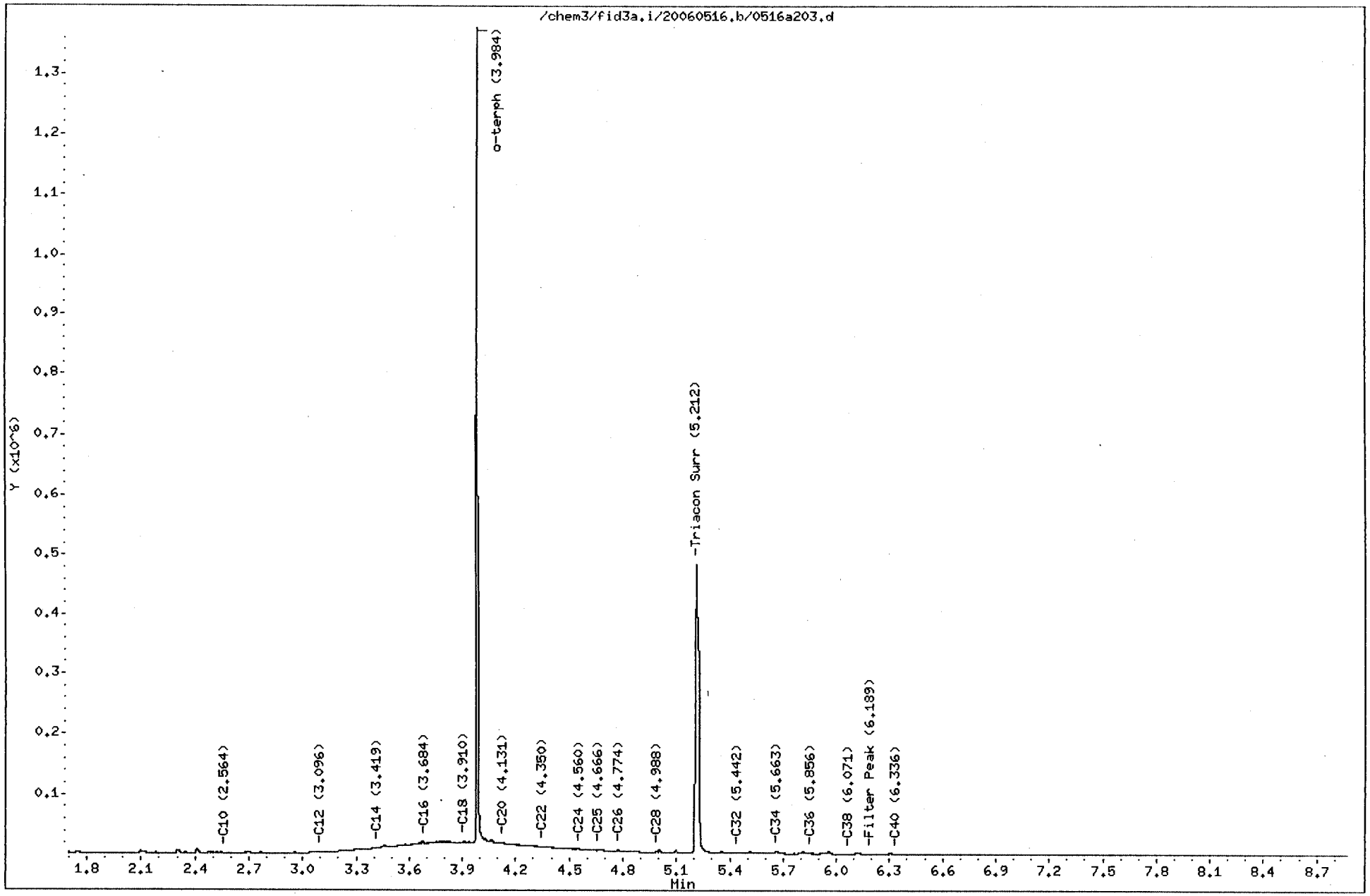
Sample Info: JI64D

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25



Data File: /chem3/fid3a.i/20060516.b/0516a204.d

Date : 18-MAY-2006 19:51

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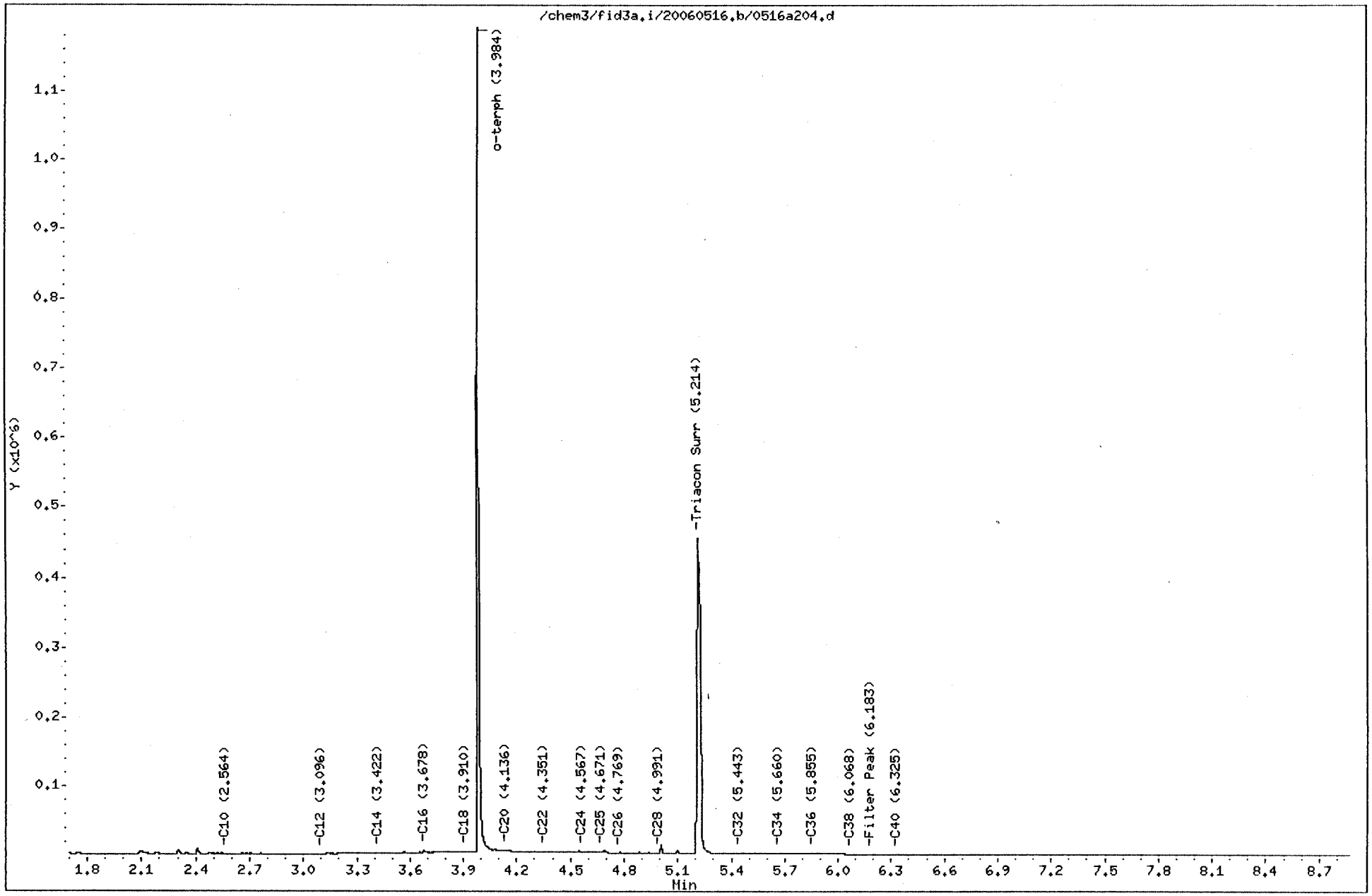
Instrument: fid3a.i

Sample Info: JI64E

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Data File: /chem3/fid3a.i/20060516.b/0516a205.d

Date : 18-MAY-2006 20:09

Client ID:

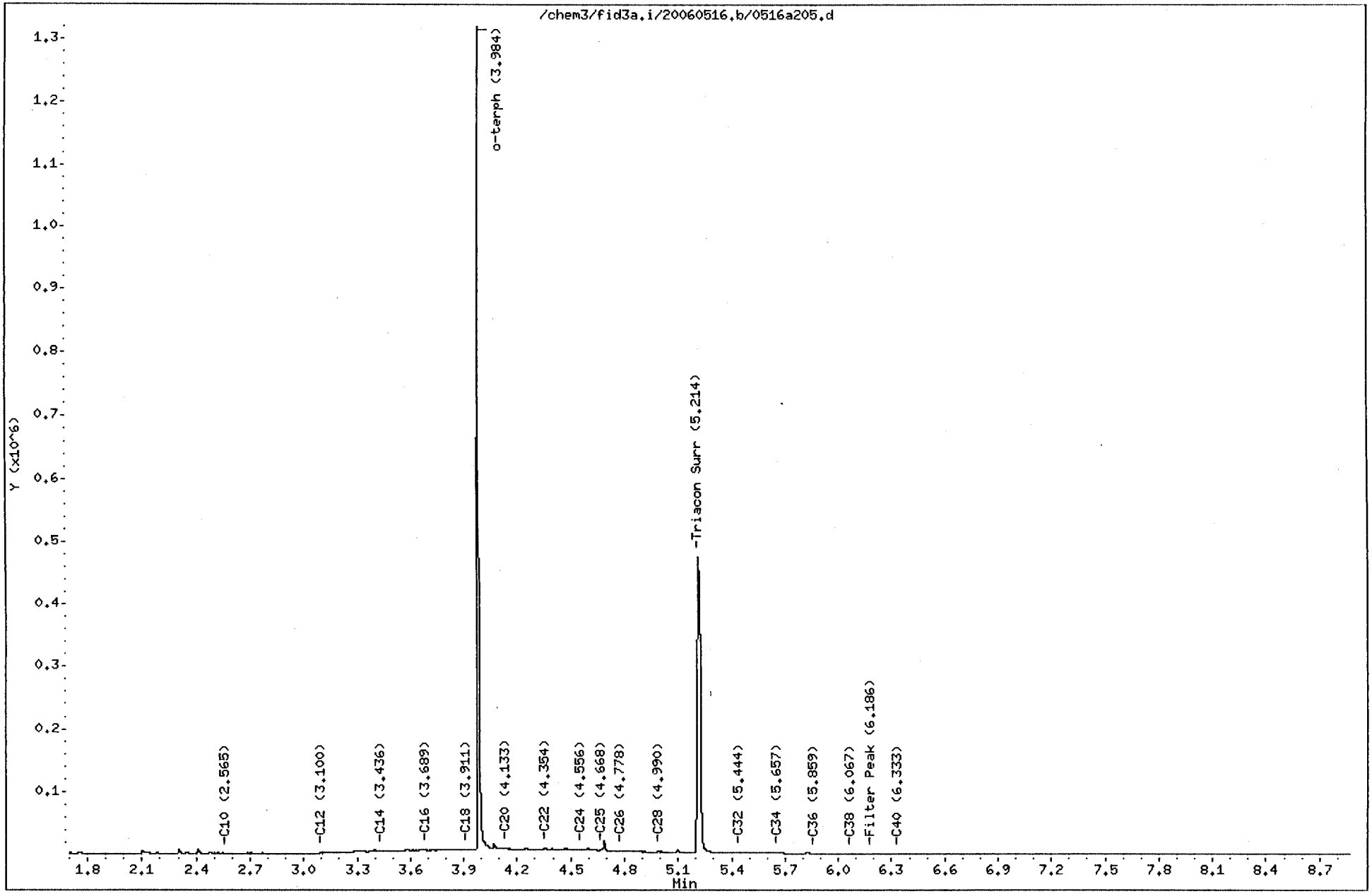
Sample Info: JI64F

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

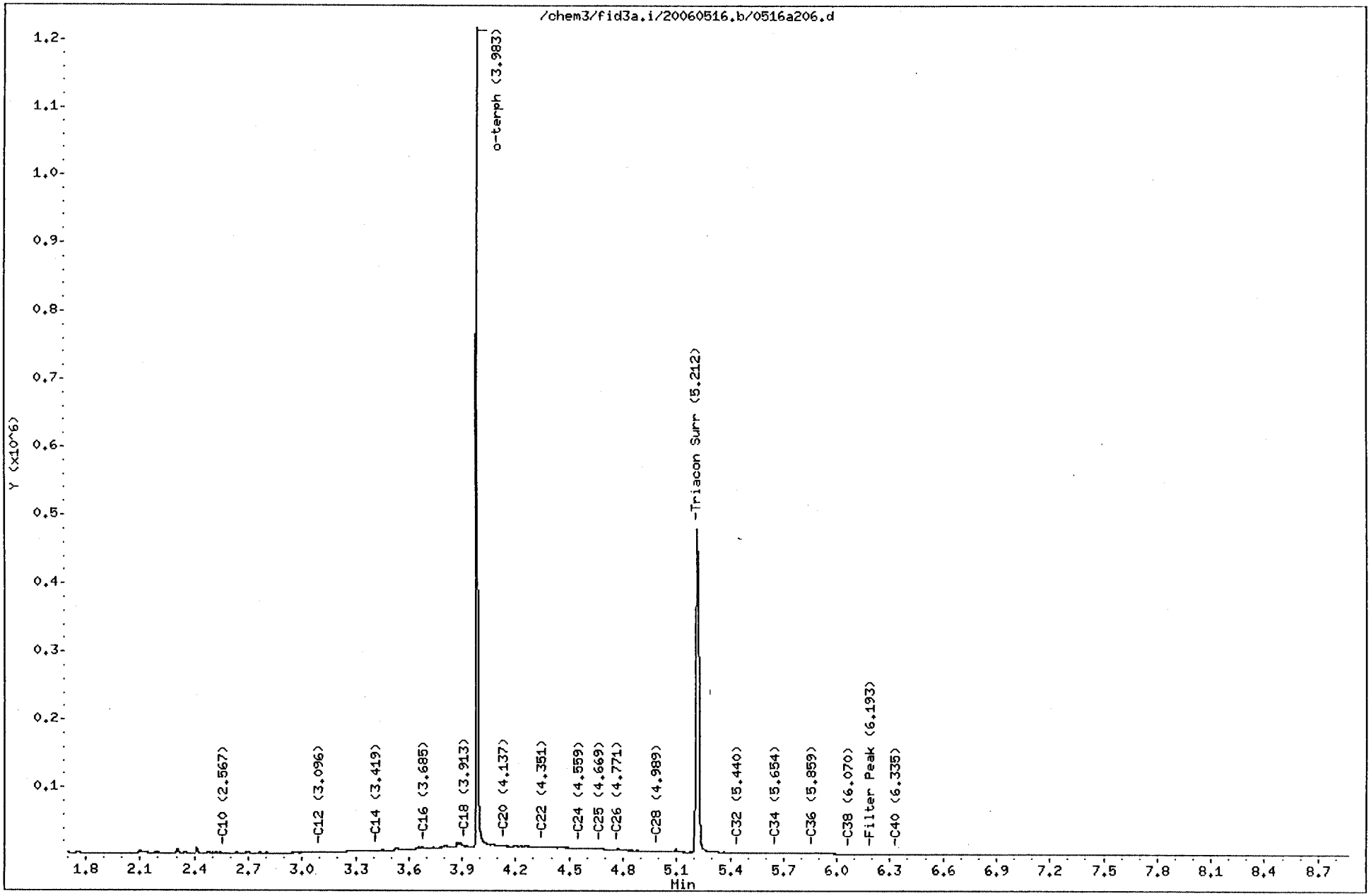


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Date : 18-MAY-2006 20:26
Client ID:
Sample Info: JI64G

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1



Data File: /chem3/fid3a.i/20060516.b/0516a212.d

Date : 18-MAY-2006 22:11

Client ID:

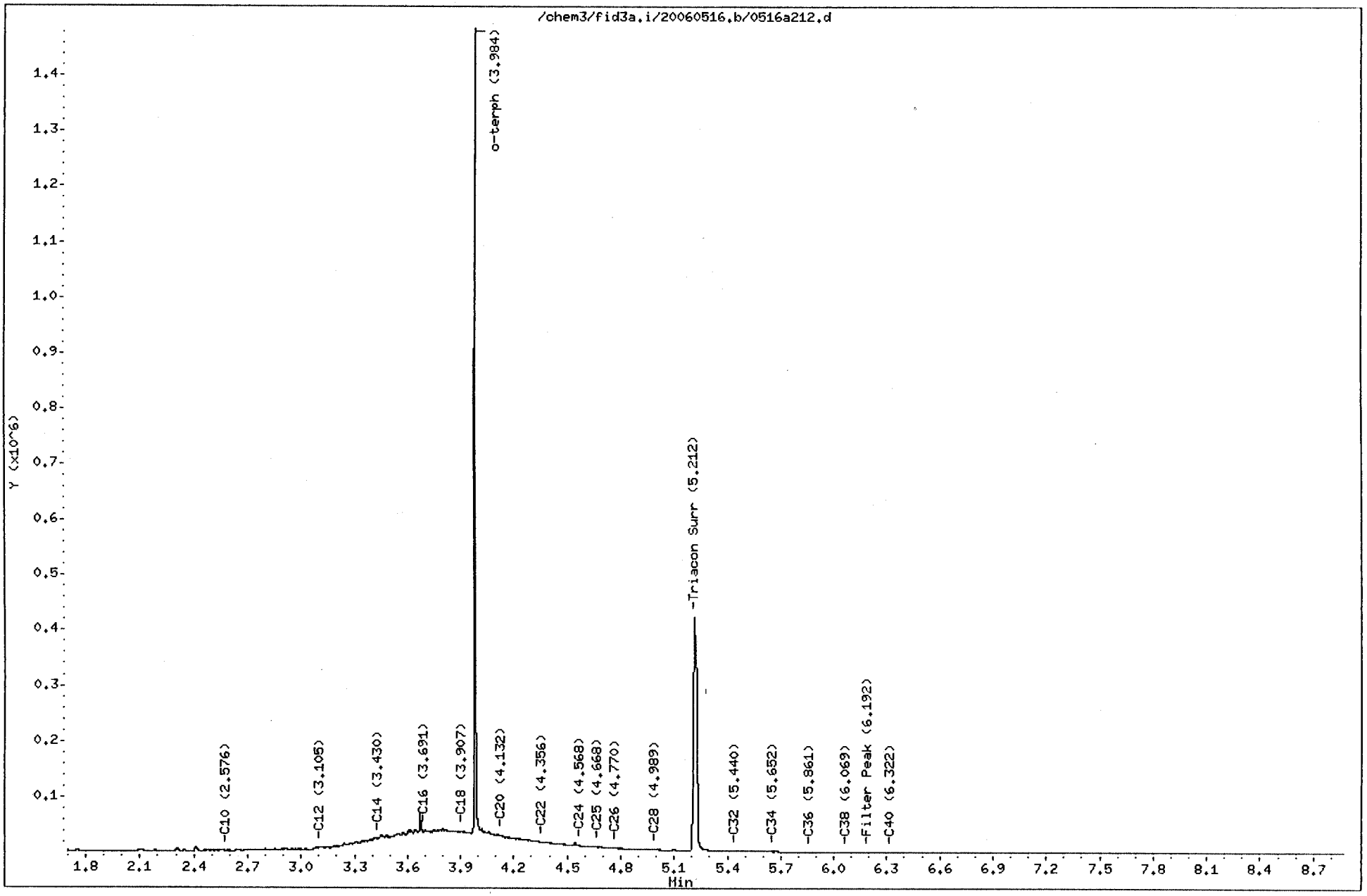
Sample Info: JI64H

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25



Data File: /chem3/fid3a.i/20060516.b/0516a213.d

Date : 18-MAY-2006 22:28

Client ID:

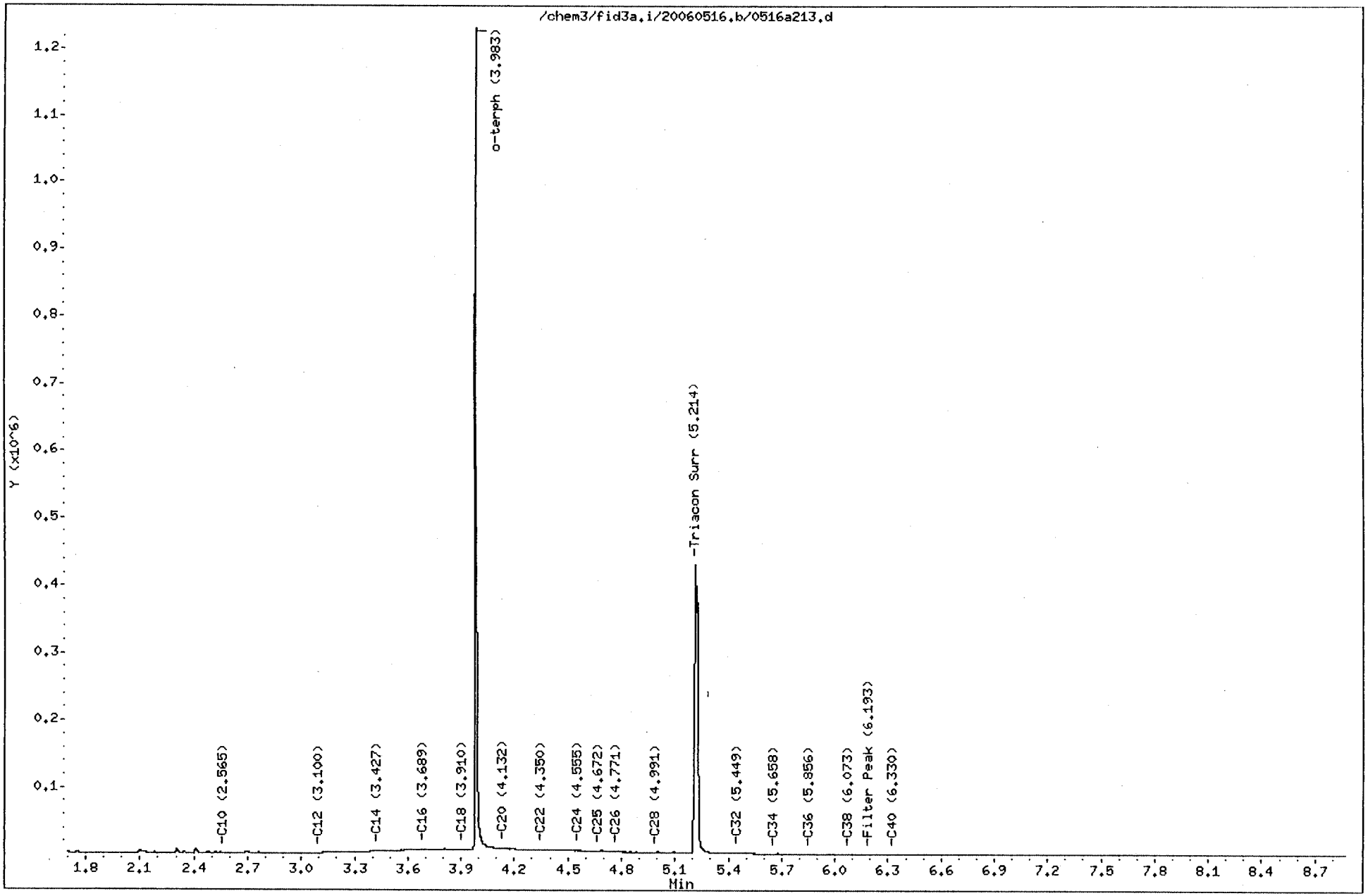
Sample Info: JI64J

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI64-CDM
Project: Leathercare
38057-47522

Client ID	OTER	TOT OUT
MB-051606	88.9%	0
LCS-051606	90.2%	0
MW3	84.7%	0
MW12	75.6%	0
LC6	76.2%	0
LC3	88.2%	0
LC1	90.4%	0
LC4	87.1%	0
LC2	81.6%	0
LC5	84.9%	0
LC0	86.2%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(60-116)	(52-124)

Prep Method: SW3510C
Log Number Range: 06-7893 to 06-7902

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID

Sample ID: LCS-051606
LAB CONTROL

Lab Sample ID: LCS-051606
LIMS ID: 06-7893
Matrix: Water
Data Release Authorized:
Reported: 05/22/06

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Sampled: NA
Date Received: NA

Date Extracted: 05/16/06
Date Analyzed: 05/18/06 18:23
Instrument/Analyst: FID3A/JGR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	2.56	3.00	85.3%

TPHD Surrogate Recovery

o-Terphenyl	90.2%

Results reported in mg/L

Data File: /chem3/fid3a.i/20060516.b/0516a199.d

Date : 18-MAY-2006 18:23

Client ID:

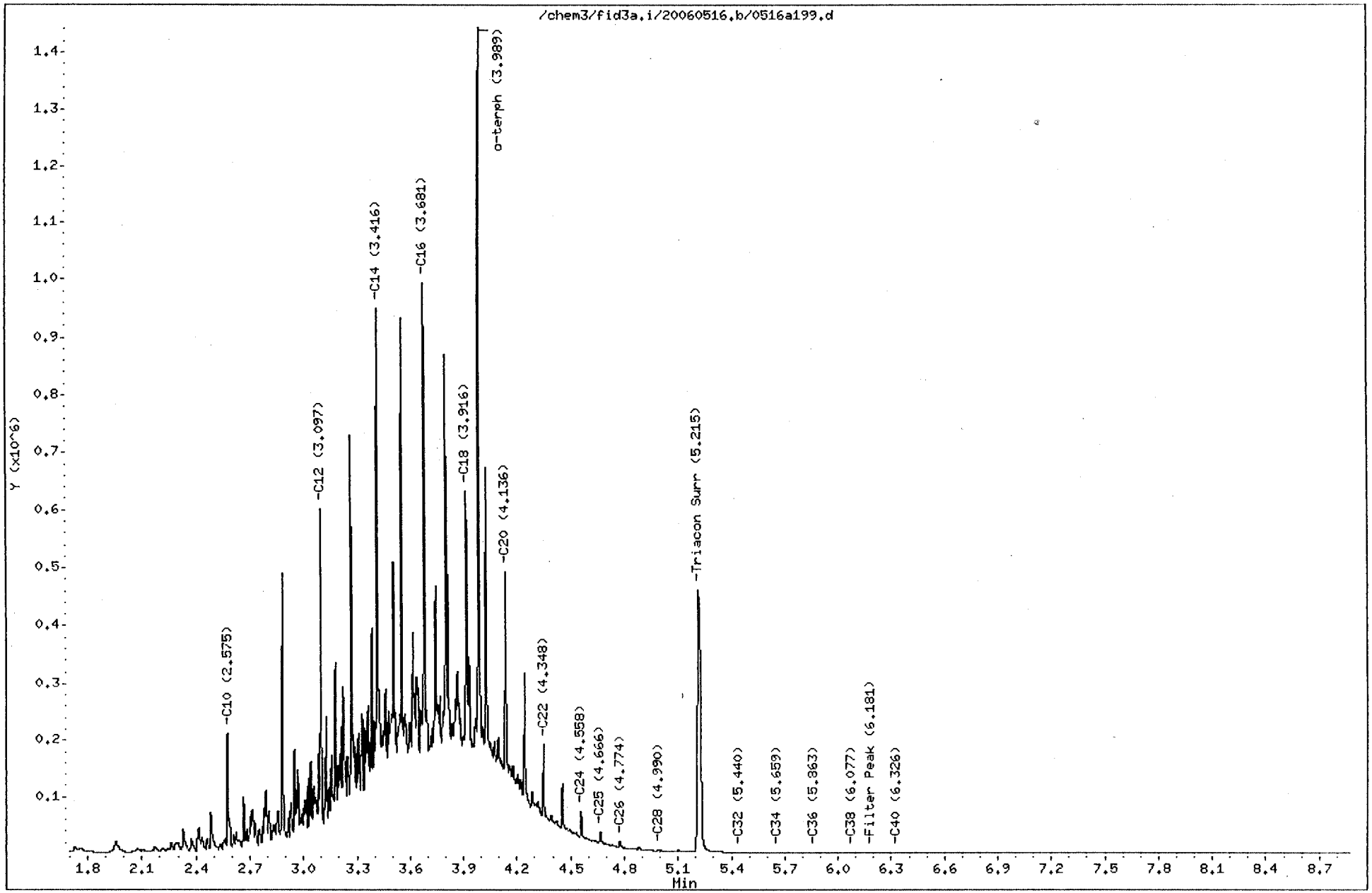
Sample Info: JI64LCSW1

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Water
Date Received: 05/09/06

ARI Job: JI64
Project: Leathercare
38057-47522

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
06-7893-051606MB1	Method Blank	500 mL	1.00 mL	05/16/06
06-7893-051606LCS1	Lab Control	500 mL	1.00 mL	05/16/06
06-7893-JI64A	MW3	500 mL	1.00 mL	05/16/06
06-7894-JI64B	MW12	500 mL	1.00 mL	05/16/06
06-7895-JI64C	LC6	500 mL	1.00 mL	05/16/06
06-7896-JI64D	LC3	500 mL	1.00 mL	05/16/06
06-7897-JI64E	LC1	500 mL	1.00 mL	05/16/06
06-7898-JI64F	LC4	500 mL	1.00 mL	05/16/06
06-7899-JI64G	LC2	500 mL	1.00 mL	05/16/06
06-7900-JI64H	LC5	500 mL	1.00 mL	05/16/06
06-7902-JI64J	LC0	500 mL	1.00 mL	05/16/06

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE
Modified RSK 175
Page 1 of 1
Matrix: Water

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Received: 05/09/06

Data Release Authorized:
Reported: 05/12/06

ARI ID	Sample ID	Analysis Date	DL	Analyte	RL	Result
JI64A	MW3	05/10/06	1.0	**Methane**	7	**250**
06-7893				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64B	MW12	05/10/06	1.0	**Methane**	7	**180**
06-7894				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64C	LC6	05/10/06	1.0	**Methane**	7	**77**
06-7895				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64D	LC3	05/10/06	1.0	**Methane**	7	**33**
06-7896				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64E	LC1	05/10/06	1.0	**Methane**	7	**110**
06-7897				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64F	LC4	05/10/06	1.0	**Methane**	7	**98**
06-7898				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64G	LC2	05/10/06	1.0	**Methane**	7	**590**
06-7899				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64H	LC5	05/10/06	1.0	**Methane**	7	**220**
06-7900				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI64J	LC0	05/10/06	1.0	**Methane**	7	**87**
06-7902				Ethane	12	< 12 U
				Ethene	11	< 11 U
051006MB	Method Blank	05/10/06	1.0	Methane	7	< 7 U
051006MB	Method Blank	05/10/06	1.0	Ethane	12	< 12 U
051006MB	Method Blank	05/10/06	1.0	Ethene	11	< 11 U

Reported in ug/L (ppb)

ANALYTICAL RESOURCES INCORPORATED

RSK 175/METHANE-ETHANE-ETHENE WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI64-CDM
Project: Leathercare
38057-47522

ARI ID	Client ID	PRP	TOT OUT
JI64A	MW3	105%	0
JI64B	MW12	105%	0
JI64C	LC6	99.2%	0
JI64D	LC3	103%	0
JI64E	LC1	102%	0
JI64F	LC4	102%	0
JI64G	LC2	103%	0
JI64H	LC5	102%	0
JI64J	LC0	104%	0
MB-051006	Method Blank	102%	0
LCS-051006	Lab Control	103%	0

	LCS/MB LIMITS	QC LIMITS
(PRP) = Propane	(30-160)	(30-160)

Log Number Range: 06-7893 to 06-7902

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE
Modified RSK 175
Page 1 of 1
Matrix: Water

QC Report No: JI64-CDM
Project: Leathercare
38057-47522
Date Received: 05/09/06

Data Release Authorized:
Reported: 05/12/06

ARI ID	Analysis Date	Analyte	Spike	Result	Recovery	RPD
051006LCS	05/10/06	Methane	650	630	96.3%	
051006LCS	05/10/06	Ethane	1,200	1,200	97.8%	
051006LCS	05/10/06	Ethene	1,100	1,200	104.8%	

Reported in ug/L (ppb)

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: MW3
ARI ID: 06-7893 JI64A

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	416
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	416
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/18/06 051806#1	EPA 325.2	mg/L	5.0	19.7
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	10.0	56.1
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	28.6

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: MW12
ARI ID: 06-7894 JI64B

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	296
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	296
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/18/06 051806#1	EPA 325.2	mg/L	2.0	10.2
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	31.7
Chemical Oxygen Demand	05/16/06 051606#1	EPA 410.4	mg/L	5.00	11.7

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC6
ARI ID: 06-7895 JI64C

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	401
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	401
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/18/06 051806#1	EPA 325.2	mg/L	5.0	17.5
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	10.0	54.2
Chemical Oxygen Demand	05/16/06 051606#1	EPA 410.4	mg/L	5.00	12.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC3
ARI ID: 06-7896 JI64D

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	398
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	398
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/18/06 051806#1	EPA 325.2	mg/L	5.0	16.1
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	10.0	69.7
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	7.71

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC1
ARI ID: 06-7897 JI64E

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	368
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	368
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/18/06 051806#1	EPA 325.2	mg/L	5.0	20.5
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	10.0	88.9
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	12.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC4
ARI ID: 06-7898 JI64F

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#1	SM 2320	mg/L CaCO3	1.0	233
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	233
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	1.0	6.8
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	4.0	39.3
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	10.1

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC2
ARI ID: 06-7899 JI64G

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	309
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	309
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	1.0	8.8
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	10.0	52.7
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	12.4

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC5
ARI ID: 06-7900 JI64H

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	372
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	372
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/19/06 051906#1	EPA 325.2	mg/L	2.0	14.0
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	39.5
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	10.1

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Client ID: LC0
ARI ID: 06-7902 JI64J

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#1	SM 2320	mg/L CaCO3	1.0	233
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	233
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/15/06 051506#2	EPA 325.2	mg/L	1.0	6.7
Sulfate	05/15/06 051506#1	EPA 375.2	mg/L	2.0	39.5
Chemical Oxygen Demand	05/16/06 051606#1	EPA 410.4	mg/L	5.00	6.87

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
Chloride	EPA 325.2	05/15/06	mg/L	< 1.0 U
		05/18/06		< 1.0 U
		05/19/06		< 1.0 U
Sulfate	EPA 375.2	05/15/06	mg/L	< 2.0 U
		05/15/06		< 2.0 U
Chemical Oxygen Demand	EPA 410.4	05/11/06	mg/L	< 5.00 U
		05/16/06		< 5.00 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Alkalinity ERA #P114506	SM 2320	05/12/06	mg/L CaCO3	84.8	83.9	101.1%
Chloride ERA #38084	EPA 325.2	05/15/06 05/18/06 05/19/06	mg/L	4.8 4.9 4.9	5.0 5.0 5.0	96.0% 98.0% 98.0%
Sulfate ERA #37065	EPA 375.2	05/15/06 05/15/06	mg/L	25.2 24.9	25.0 25.0	100.8% 99.6%
Chemical Oxygen Demand Thermo Orion #I01	EPA 410.4	05/11/06 05/16/06	mg/L	89.0 91.6	90.0 90.0	98.9% 101.8%

REPLICATE RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JI64A Client ID: MW3						
Alkalinity	SM 2320	05/12/06	mg/L CaCO3	416	414	0.5%
Carbonate	SM 2320	05/12/06	mg/L CaCO3	< 1.0	< 1.0	NA
Bicarbonate	SM 2320	05/12/06	mg/L CaCO3	416	414	0.5%
Hydroxide	SM 2320	05/12/06	mg/L CaCO3	< 1.0	< 1.0	NA
Chloride	EPA 325.2	05/18/06	mg/L	19.7	19.7	0.0%
Chemical Oxygen Demand	EPA 410.4	05/11/06	mg/L	28.6	35.7	22.1%
ARI ID: JI64J Client ID: LC0						
Alkalinity	SM 2320	05/12/06	mg/L CaCO3	233	232	0.4%
Carbonate	SM 2320	05/12/06	mg/L CaCO3	< 1.0	< 1.0	NA
Bicarbonate	SM 2320	05/12/06	mg/L CaCO3	233	232	0.4%
Hydroxide	SM 2320	05/12/06	mg/L CaCO3	< 1.0	< 1.0	NA

MS/MSD RESULTS-CONVENTIONALS
JI64-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: Leathercare
Event: 38057-47522
Date Sampled: 05/09/06
Date Received: 05/09/06

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JI64A Client ID: MW3							
Chloride	EPA 325.2	05/18/06	mg/L	19.7	70.7	50.0	102.0%
Chemical Oxygen Demand	EPA 410.4	05/11/06	mg/L	28.6	74.5	38.0	120.8%
ARI ID: JI64B Client ID: MW12							
Chemical Oxygen Demand	EPA 410.4	05/16/06	mg/L	11.7	52.2	38.0	106.6%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 2, 2006

Ms. Pam Morrill
CDM
11811 NE 1st, Suite 201
Bellevue, WA 98009

RE: Project ID: 38057-47522 Leathercare
ARI Job No: JI87

Dear Pam:

Please find enclosed the original chain of custody documentation (COCs) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) accepted three water samples on May 10, 2006. The samples were received in good condition with no discrepancies in paperwork.

The samples were analyzed for volatile organic compounds 8260B, Diesel by NWTPHDx, Dissolved Gases by RSK-175 and a set of conventional parameters as instructed on the COC. Volatile samples analyses following low level methods were completed with no issues, so follow-up by 8260-SIM for Vinyl Chloride was unnecessary.

One sample analyze for Volatiles required dilution due to analytes above the calibrated range of the instrument. Both sets of results have been reported here. There were no anomalies associated with this set of samples.

Diesel chromatograms have been included for your inspection.

A copy of these reports and the supporting data will remain on file electronically with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan D. Dunnihoo
Project Manager
Phone: 206-695-6207
sue@arilabs.com

cc: Efile JI87

Enclosures

CDM

I187

4.2

CHAIN-OF-CUSTODY

Date 5/10/06 Page 1 of 1

PROJECT INFORMATION

Project Manager: Pam Morrill

Project Name: Leathercare

Project Number: 38057-47522

Site Location: Seattle Sampled By: PM

DISPOSAL INFORMATION

☒ Lab Disposal (return if not indicated)

Disposal Method:

Disposed by: Disposal Date:

QC INFORMATION (check one)

☐ SW-846 ☐ CLP ☐ Screening ☐ CDM Std. ☐ Special

Laboratory Number:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
GT3	5/10/06	1045	water	
GT1	5/10/06	1245	Water	
GT2	5/10/06	1135	Water	

	PETROLEUM HYDROCARBONS					ORGANIC COMPOUNDS								PESTS/PCBs				METALS						LEACHING TESTS				OTHER				NUMBER OF CONTAINERS
	TPH-HCID State:	TPH-G State:	TPH-D State: WA	TPH-418.1 State:	8015M Fuel Hydrocarbon	TPH Special Instructions	8010 Halogenated VOCs	8020 Aromatic VOCs	8020M - BETX only	8260 GC/MS Volatiles (20ml purge)	8270 GC/MS Semivolatiles	8310 PAHs	8040 Phenols	DWS - Volatiles and Semivolatiles	8080 OC Pest/PCBs	8080M PCBs only	8140 OP Pesticides	8150 OC Herbicides	DWS - Herb/Pest	Selected Metals: list	Organic Lead (Ca)	TCL Metals (23)	Priority Poll. Metals (13)	DWS - Metals	MFSP - Metals (Wa)	TCLP - Volatiles (ZHE)	TCLP - Semivolatiles	TCLP - Pesticides	TCLP - Metals	COD	Alk / Cl / HCO3	SO4 TCI	diss methane, ethene, ethane	
GT3			✓							✓																			✓	✓	✓	✓	12
GT1			✓							✓																			✓	✓	✓	✓	12
GT2			✓							✓																			✓	✓	✓	✓	12

LAB INFORMATION

Lab Name: ARI

Lab Address: 4611 S 134th Pl Tukwila WA 98168

Via: Sampler

SAMPLE RECEIPT

Total Number of Containers:

Chain-of-Custody Seals: Y/N/NA

Intact?: Y/N/NA

Received in Good Condition/Cold:

Turn Around Time: ☒ Standard ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 1 wk.

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH DATA

Special Instructions: Extra VOA vials provided for SIM VC (0.2 ppb) if 20 ml purge not doable

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Mary Lou Fox Time: 1740	Signature: Time:	Signature: Time:
Printed Name: Mary Lou Fox Date: 5/10/06	Printed Name: Date:	Printed Name: Date:
Company: CDM	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Eric Branson Time: 1740	Signature: Time:	Signature: Time:
Printed Name: Eric Branson Date: 5/10/06	Printed Name: Date:	Printed Name: Date:
Company: ARI	Company:	Company:

CDM OFFICES: Bellevue: (206) 453-8383

DISTRIBUTION: White, Canary to Analytical Laboratory; Pink to CDM Project Files; Gold to CDM Disposal Files

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT3**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI87A
LIMS ID: 06-8030
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 12:56

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**9.7**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	**1,1-Dichloroethene**	**0.2**	**0.3**	
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**9.4**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**48**	**E**
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**11**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	**Benzene**	**0.2**	**1.4**	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**0.4**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT3
 SAMPLE

Lab Sample ID: JI87A QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Date Analyzed: 05/22/06 12:56

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	116%
d8-Toluene	101%
Bromofluorobenzene	99.0%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT3**
Page 1 of 2 **DILUTION**

Lab Sample ID: JI87A
LIMS ID: 06-8030
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 16:36

Sample Amount: 4.00 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	**Vinyl Chloride**	**1.0**	**8.5**	
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	1.5	< 1.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	**trans-1,2-Dichloroethene**	**1.0**	**9.1**	
156-59-2	**cis-1,2-Dichloroethene**	**1.0**	**49**	
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	**Trichloroethene**	**1.0**	**10**	
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	**Benzene**	**1.0**	**1.2**	
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	2.5	< 2.5	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
1330-20-7	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	25	< 25	U
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	< 10	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT3
 DILUTION

Lab Sample ID: JI87A QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Date Analyzed: 05/22/06 16:36

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	98.5%
d8-Toluene	89.0%
Bromofluorobenzene	75.2%
d4-1,2-Dichlorobenzene	87.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT1**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI87B
LIMS ID: 06-8031
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 14:49

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**3.4**	**M**
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**4.2**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**0.4**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	**1,1,2-Trichloroethane**	**0.2**	**0.3**	
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT1
  SAMPLE

Lab Sample ID: JI87B QC Report No: JI87-CDM
LIMS ID: 06-8031 Project: LeatherCare
Matrix: Water 38057-47522
Date Analyzed: 05/22/06 14:49

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	**tert-Butylbenzene**	**0.2**	**0.2**	
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	122%
d8-Toluene	102%
Bromofluorobenzene	100%
d4-1,2-Dichlorobenzene	110%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT2**
Page 1 of 2 **SAMPLE**

Lab Sample ID: JI87C
LIMS ID: 06-8032
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 13:51

Sample Amount: 20.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	**Vinyl Chloride**	**0.2**	**17**	**E**
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	**Acetone**	**1.0**	**5.3**	**M**
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**5.0**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**16**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**0.6**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	**Benzene**	**0.2**	**1.5**	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT2
  SAMPLE

Lab Sample ID: JI87C QC Report No: JI87-CDM
LIMS ID: 06-8032 Project: LeatherCare
Matrix: Water 38057-47522
Date Analyzed: 05/22/06 13:51

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	112%
d8-Toluene	103%
Bromofluorobenzene	100%
d4-1,2-Dichlorobenzene	112%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT2**
Page 1 of 2 **DILUTION**

Lab Sample ID: JI87C
LIMS ID: 06-8032
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB
Date Analyzed: 05/22/06 17:03

Sample Amount: 10.0 mL
Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.4	< 0.4	U
74-83-9	Bromomethane	0.4	< 0.4	U
75-01-4	**Vinyl Chloride**	**0.4**	**19**	
75-00-3	Chloroethane	0.4	< 0.4	U
75-09-2	Methylene Chloride	0.6	< 0.6	U
67-64-1	**Acetone**	**2.0**	**4.4**	
75-15-0	Carbon Disulfide	0.4	< 0.4	U
75-35-4	1,1-Dichloroethene	0.4	< 0.4	U
75-34-3	1,1-Dichloroethane	0.4	< 0.4	U
156-60-5	**trans-1,2-Dichloroethene**	**0.4**	**5.1**	
156-59-2	**cis-1,2-Dichloroethene**	**0.4**	**16**	
67-66-3	Chloroform	0.4	< 0.4	U
107-06-2	1,2-Dichloroethane	0.4	< 0.4	U
78-93-3	2-Butanone	2.0	< 2.0	U
71-55-6	1,1,1-Trichloroethane	0.4	< 0.4	U
56-23-5	Carbon Tetrachloride	0.4	< 0.4	U
108-05-4	Vinyl Acetate	0.4	< 0.4	U
75-27-4	Bromodichloromethane	0.4	< 0.4	U
78-87-5	1,2-Dichloropropane	0.4	< 0.4	U
10061-01-5	cis-1,3-Dichloropropene	0.4	< 0.4	U
79-01-6	**Trichloroethene**	**0.4**	**0.6**	
124-48-1	Dibromochloromethane	0.4	< 0.4	U
79-00-5	1,1,2-Trichloroethane	0.4	< 0.4	U
71-43-2	**Benzene**	**0.4**	**1.5**	
10061-02-6	trans-1,3-Dichloropropene	0.4	< 0.4	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.4	< 0.4	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	2.0	< 2.0	U
591-78-6	2-Hexanone	2.0	< 2.0	U
127-18-4	Tetrachloroethene	0.4	< 0.4	U
79-34-5	1,1,2,2-Tetrachloroethane	0.4	< 0.4	U
108-88-3	Toluene	0.4	< 0.4	U
108-90-7	Chlorobenzene	0.4	< 0.4	U
100-41-4	Ethylbenzene	0.4	< 0.4	U
100-42-5	Styrene	0.4	< 0.4	U
75-69-4	Trichlorofluoromethane	0.4	< 0.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.4	< 0.4	U
1330-20-7	m,p-Xylene	0.8	< 0.8	U
95-47-6	o-Xylene	0.4	< 0.4	U
95-50-1	1,2-Dichlorobenzene	0.4	< 0.4	U
541-73-1	1,3-Dichlorobenzene	0.4	< 0.4	U
106-46-7	1,4-Dichlorobenzene	0.4	< 0.4	U
107-02-8	Acrolein	10	< 10	U
74-88-4	Methyl Iodide	0.4	< 0.4	U
74-96-4	Bromoethane	0.4	< 0.4	U
107-13-1	Acrylonitrile	2.0	< 2.0	U
563-58-6	1,1-Dichloropropene	0.4	< 0.4	U
74-95-3	Dibromomethane	0.4	< 0.4	U
630-20-6	1,1,1,2-Tetrachloroethane	0.4	< 0.4	U
96-12-8	1,2-Dibromo-3-chloropropane	4.0	< 4.0	U
96-18-4	1,2,3-Trichloropropane	1.0	< 1.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT2
  DILUTION

Lab Sample ID: JI87C QC Report No: JI87-CDM
LIMS ID: 06-8032 Project: LeatherCare
Matrix: Water 38057-47522
Date Analyzed: 05/22/06 17:03

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	2.0	< 2.0	U
108-67-8	1,3,5-Trimethylbenzene	0.4	< 0.4	U
95-63-6	1,2,4-Trimethylbenzene	0.4	< 0.4	U
87-68-3	Hexachlorobutadiene	1.0	< 1.0	U
106-93-4	Ethylene Dibromide	0.4	< 0.4	U
74-97-5	Bromochloromethane	0.4	< 0.4	U
594-20-7	2,2-Dichloropropane	0.4	< 0.4	U
142-28-9	1,3-Dichloropropane	0.4	< 0.4	U
98-82-8	Isopropylbenzene	0.4	< 0.4	U
103-65-1	n-Propylbenzene	0.4	< 0.4	U
108-86-1	Bromobenzene	0.4	< 0.4	U
95-49-8	2-Chlorotoluene	0.4	< 0.4	U
106-43-4	4-Chlorotoluene	0.4	< 0.4	U
98-06-6	tert-Butylbenzene	0.4	< 0.4	U
135-98-8	sec-Butylbenzene	0.4	< 0.4	U
99-87-6	4-Isopropyltoluene	0.4	< 0.4	U
104-51-8	n-Butylbenzene	0.4	< 0.4	U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0	U
91-20-3	Naphthalene	1.0	< 1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	< 1.0	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	101%
d8-Toluene	89.0%
Bromofluorobenzene	76.0%
d4-1,2-Dichlorobenzene	88.8%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-052206	Method Blank	20	108%	98.2%	91.8%	102%	0
LCS-052206	Lab Control	20	109%	102%	104%	97.2%	0
LCSD-052206	Lab Control Dup	20	102%	97.0%	99.8%	89.0%	0
JI87A	GT3	20	116%	101%	99.0%	105%	0
JI87ADL	GT3	20	98.5%	89.0%	75.2%	87.8%	0
JI87AMS	GT3	20	98.0%	92.8%	82.8%	85.5%	0
JI87AMSD	GT3	20	98.0%	94.8%	88.8%	85.5%	0
JI87B	GT1	20	122%	102%	100%	110%	0
JI87C	GT2	20	112%	103%	100%	112%	0
JI87CDL	GT2	20	101%	89.0%	76.0%	88.8%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260B	5mL Purge	20mL Purge	5mL Purge	20mL Purge
(DCE) = d4-1,2-Dichloroethane	70-134	63-127	66-142	66-139
(TOL) = d8-Toluene	78-123	77-117	75-124	82-123
(BFB) = Bromofluorobenzene	78-121	68-116	75-121	71-113
(DCB) = d4-1,2-Dichlorobenzene	79-116	79-113	78-124	84-125

Prep Method: SW5030B
Log Number Range: 06-8030 to 06-8032

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT3
  MATRIX SPIKE

Lab Sample ID: JI87A QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/10/06
Reported: 05/23/06 Date Received: 05/10/06

Instrument/Analyst MS: FINN3/PAB Sample Amount MS: 4.00 mL
MSD: FINN3/PAB MSD: 4.00 mL
Date Analyzed MS: 05/22/06 15:42 Purge Volume MS: 20.0 mL
MSD: 05/22/06 16:09 MSD: 20.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Chloromethane	< 1.0 U	17.2	20.0	86.0%	17.2	20.0	86.0%	0.0%
Bromomethane	< 1.0 U	15.1	20.0	75.5%	16.0	20.0	80.0%	5.8%
Vinyl Chloride	8.5	28.0	20.0	97.5%	27.6	20.0	95.5%	1.4%
Chloroethane	< 1.0 U	18.8	20.0	94.0%	19.3	20.0	96.5%	2.6%
Methylene Chloride	< 1.5 U	18.8	20.0	94.0%	18.8	20.0	94.0%	0.0%
Acetone	< 5.0 U	105	100	105%	94.4	100	94.4%	10.6%
Carbon Disulfide	< 1.0 U	19.3	20.0	96.5%	20.4	20.0	102%	5.5%
1,1-Dichloroethene	< 1.0 U	19.3	20.0	96.5%	19.8	20.0	99.0%	2.6%
1,1-Dichloroethane	< 1.0 U	20.0	20.0	100%	20.9	20.0	104%	4.4%
trans-1,2-Dichloroethene	9.1	27.0	20.0	89.5%	28.2	20.0	95.5%	4.3%
cis-1,2-Dichloroethene	49.2	70.6	20.0	107%	69.2	20.0	100%	2.0%
Chloroform	< 1.0 U	18.6	20.0	93.0%	19.2	20.0	96.0%	3.2%
1,2-Dichloroethane	< 1.0 U	18.8	20.0	94.0%	19.6	20.0	98.0%	4.2%
2-Butanone	< 5.0 U	84.8	100	84.8%	82.8	100	82.8%	2.4%
1,1,1-Trichloroethane	< 1.0 U	19.6	20.0	98.0%	20.1	20.0	100%	2.5%
Carbon Tetrachloride	< 1.0 U	19.3	20.0	96.5%	20.6	20.0	103%	6.5%
Vinyl Acetate	< 1.0 U	18.6	20.0	93.0%	18.8	20.0	94.0%	1.1%
Bromodichloromethane	< 1.0 U	20.4	20.0	102%	21.5	20.0	108%	5.3%
1,2-Dichloropropane	< 1.0 U	18.5	20.0	92.5%	18.8	20.0	94.0%	1.6%
cis-1,3-Dichloropropene	< 1.0 U	15.6	20.0	78.0%	16.2	20.0	81.0%	3.8%
Trichloroethene	10.2	29.7	20.0	97.5%	30.6	20.0	102%	3.0%
Dibromochloromethane	< 1.0 U	16.0	20.0	80.0%	17.0	20.0	85.0%	6.1%
1,1,2-Trichloroethane	< 1.0 U	19.1	20.0	95.5%	18.7	20.0	93.5%	2.1%
Benzene	1.2	19.7	20.0	92.5%	20.7	20.0	97.5%	5.0%
trans-1,3-Dichloropropene	< 1.0 U	15.8	20.0	79.0%	16.4	20.0	82.0%	3.7%
2-Chloroethylvinylether	< 2.5 U	< 2.5 U	20.0	NA	< 2.5 U	20.0	NA	NA
Bromoform	< 1.0 U	19.0	20.0	95.0%	19.4	20.0	97.0%	2.1%
4-Methyl-2-Pentanone (MIBK)	< 5.0 U	83.8	100	83.8%	84.2	100	84.2%	0.5%
2-Hexanone	< 5.0 U	85.1	100	85.1%	89.5	100	89.5%	5.0%
Tetrachloroethene	< 1.0 U	19.3	20.0	96.5%	20.0	20.0	100%	3.6%
1,1,2,2-Tetrachloroethane	< 1.0 U	18.8	20.0	94.0%	19.8	20.0	99.0%	5.2%
Toluene	< 1.0 U	18.3	20.0	91.5%	18.4	20.0	92.0%	0.5%
Chlorobenzene	< 1.0 U	17.2	20.0	86.0%	18.6	20.0	93.0%	7.8%
Ethylbenzene	< 1.0 U	18.7	20.0	93.5%	20.4	20.0	102%	8.7%
Styrene	< 1.0 U	17.0	20.0	85.0%	18.2	20.0	91.0%	6.8%
Trichlorofluoromethane	< 1.0 U	20.4	20.0	102%	21.2	20.0	106%	3.8%
1,1,2-Trichloro-1,2,2-trifl	< 1.0 U	19.9	20.0	99.5%	20.3	20.0	102%	2.0%
m,p-Xylene	< 2.0 U	36.4	40.0	91.0%	37.6	40.0	94.0%	3.2%
o-Xylene	< 1.0 U	17.2	20.0	86.0%	18.2	20.0	91.0%	5.6%
1,2-Dichlorobenzene	< 1.0 U	17.0	20.0	85.0%	17.7	20.0	88.5%	4.0%
1,3-Dichlorobenzene	< 1.0 U	17.6	20.0	88.0%	18.0	20.0	90.0%	2.2%
1,4-Dichlorobenzene	< 1.0 U	16.6	20.0	83.0%	17.2	20.0	86.0%	3.6%
Acrolein	< 25.0 U	86.2	100	86.2%	87.9	100	87.9%	2.0%
Methyl Iodide	< 1.0 U	18.0	20.0	90.0%	19.2	20.0	96.0%	6.5%
Bromoethane	< 1.0 U	19.4	20.0	97.0%	20.1	20.0	100%	3.5%
Acrylonitrile	< 5.0 U	17.3	20.0	86.5%	18.0	20.0	90.0%	4.0%
1,1-Dichloropropene	< 1.0 U	18.5	20.0	92.5%	19.6	20.0	98.0%	5.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT3**
 MATRIX SPIKE

Lab Sample ID: JI87A QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Dibromomethane	< 1.0 U	18.6	20.0	93.0%	19.6	20.0	98.0%	5.2%
1,1,1,2-Tetrachloroethane	< 1.0 U	18.1	20.0	90.5%	18.2	20.0	91.0%	0.6%
1,2-Dibromo-3-chloropropane	< 10.0 U	17.2	20.0	86.0%	17.0	20.0	85.0%	1.2%
1,2,3-Trichloropropane	< 2.5 U	19.2	20.0	96.0%	19.5	20.0	97.5%	1.6%
trans-1,4-Dichloro-2-butene	< 5.0 U	17.7	20.0	88.5%	18.8	20.0	94.0%	6.0%
1,3,5-Trimethylbenzene	< 1.0 U	19.4	20.0	97.0%	20.1	20.0	100%	3.5%
1,2,4-Trimethylbenzene	< 1.0 U	19.4	20.0	97.0%	19.6	20.0	98.0%	1.0%
Hexachlorobutadiene	< 2.5 U	17.2	20.0	86.0%	17.9	20.0	89.5%	4.0%
Ethylene Dibromide	< 1.0 U	16.7	20.0	83.5%	18.0	20.0	90.0%	7.5%
Bromochloromethane	< 1.0 U	19.0	20.0	95.0%	18.8	20.0	94.0%	1.1%
2,2-Dichloropropane	< 1.0 U	20.4	20.0	102%	20.7	20.0	104%	1.5%
1,3-Dichloropropane	< 1.0 U	17.8	20.0	89.0%	19.2	20.0	96.0%	7.6%
Isopropylbenzene	< 1.0 U	19.4	20.0	97.0%	21.0	20.0	105%	7.9%
n-Propylbenzene	< 1.0 U	20.2	20.0	101%	21.6	20.0	108%	6.7%
Bromobenzene	< 1.0 U	19.0	20.0	95.0%	19.2	20.0	96.0%	1.0%
2-Chlorotoluene	< 1.0 U	19.8	20.0	99.0%	17.0	20.0	85.0%	15.2%
4-Chlorotoluene	< 1.0 U	19.2	20.0	96.0%	19.3	20.0	96.5%	0.5%
tert-Butylbenzene	< 1.0 U	19.3	20.0	96.5%	19.6	20.0	98.0%	1.5%
sec-Butylbenzene	< 1.0 U	20.5	20.0	102%	20.4	20.0	102%	0.5%
4-Isopropyltoluene	< 1.0 U	20.1	20.0	100%	20.2	20.0	101%	0.5%
n-Butylbenzene	< 1.0 U	18.0	20.0	90.0%	18.2	20.0	91.0%	1.1%
1,2,4-Trichlorobenzene	< 2.5 U	13.2	20.0	66.0%	13.3	20.0	66.5%	0.8%
Naphthalene	< 2.5 U	12.2	20.0	61.0%	12.2	20.0	61.0%	0.0%
1,2,3-Trichlorobenzene	< 2.5 U	13.6	20.0	68.0%	13.0	20.0	65.0%	4.5%

Reported in µg/L (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.
RPD calculated using sample concentrations per SW846.
Recoveries calculated from secondary analysis.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT3
  MATRIX SPIKE

Lab Sample ID: JI87A QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/10/06
Reported: 05/23/06 Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB Sample Amount: 4.00 mL
Date Analyzed: 05/22/06 15:42 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	---	
74-83-9	Bromomethane	1.0	---	
75-01-4	Vinyl Chloride	1.0	---	
75-00-3	Chloroethane	1.0	---	
75-09-2	Methylene Chloride	1.5	---	
67-64-1	Acetone	5.0	---	
75-15-0	Carbon Disulfide	1.0	---	
75-35-4	1,1-Dichloroethene	1.0	---	
75-34-3	1,1-Dichloroethane	1.0	---	
156-60-5	trans-1,2-Dichloroethene	1.0	---	
156-59-2	cis-1,2-Dichloroethene	1.0	---	
67-66-3	Chloroform	1.0	---	
107-06-2	1,2-Dichloroethane	1.0	---	
78-93-3	2-Butanone	5.0	---	
71-55-6	1,1,1-Trichloroethane	1.0	---	
56-23-5	Carbon Tetrachloride	1.0	---	
108-05-4	Vinyl Acetate	1.0	---	
75-27-4	Bromodichloromethane	1.0	---	
78-87-5	1,2-Dichloropropane	1.0	---	
10061-01-5	cis-1,3-Dichloropropene	1.0	---	
79-01-6	Trichloroethene	1.0	---	
124-48-1	Dibromochloromethane	1.0	---	
79-00-5	1,1,2-Trichloroethane	1.0	---	
71-43-2	Benzene	1.0	---	
10061-02-6	trans-1,3-Dichloropropene	1.0	---	
110-75-8	2-Chloroethylvinylether	2.5	---	
75-25-2	Bromoform	1.0	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	---	
591-78-6	2-Hexanone	5.0	---	
127-18-4	Tetrachloroethene	1.0	---	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	---	
108-88-3	Toluene	1.0	---	
108-90-7	Chlorobenzene	1.0	---	
100-41-4	Ethylbenzene	1.0	---	
100-42-5	Styrene	1.0	---	
75-69-4	Trichlorofluoromethane	1.0	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	---	
1330-20-7	m,p-Xylene	2.0	---	
95-47-6	o-Xylene	1.0	---	
95-50-1	1,2-Dichlorobenzene	1.0	---	
541-73-1	1,3-Dichlorobenzene	1.0	---	
106-46-7	1,4-Dichlorobenzene	1.0	---	
107-02-8	Acrolein	25	---	
74-88-4	Methyl Iodide	1.0	---	
74-96-4	Bromoethane	1.0	---	
107-13-1	Acrylonitrile	5.0	---	
563-58-6	1,1-Dichloropropene	1.0	---	
74-95-3	Dibromomethane	1.0	---	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	---	
96-12-8	1,2-Dibromo-3-chloropropane	10	---	
96-18-4	1,2,3-Trichloropropane	2.5	---	

Lab Sample ID: JI87A
LIMS ID: 06-8030
Matrix: Water
Date Analyzed: 05/22/06 15:42

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	---	
108-67-8	1,3,5-Trimethylbenzene	1.0	---	
95-63-6	1,2,4-Trimethylbenzene	1.0	---	
87-68-3	Hexachlorobutadiene	2.5	---	
106-93-4	Ethylene Dibromide	1.0	---	
74-97-5	Bromochloromethane	1.0	---	
594-20-7	2,2-Dichloropropane	1.0	---	
142-28-9	1,3-Dichloropropane	1.0	---	
98-82-8	Isopropylbenzene	1.0	---	
103-65-1	n-Propylbenzene	1.0	---	
108-86-1	Bromobenzene	1.0	---	
95-49-8	2-Chlorotoluene	1.0	---	
106-43-4	4-Chlorotoluene	1.0	---	
98-06-6	tert-Butylbenzene	1.0	---	
135-98-8	sec-Butylbenzene	1.0	---	
99-87-6	4-Isopropyltoluene	1.0	---	
104-51-8	n-Butylbenzene	1.0	---	
120-82-1	1,2,4-Trichlorobenzene	2.5	---	
91-20-3	Naphthalene	2.5	---	
87-61-6	1,2,3-Trichlorobenzene	2.5	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.0%
d8-Toluene	92.8%
Bromofluorobenzene	82.8%
d4-1,2-Dichlorobenzene	85.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: GT3
  MATRIX SPIKE DUP

Lab Sample ID: JI87A QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: 05/10/06
Reported: 05/23/06 Date Received: 05/10/06

Instrument/Analyst: FINN3/PAB Sample Amount: 4.00 mL
Date Analyzed: 05/22/06 16:09 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	---	
74-83-9	Bromomethane	1.0	---	
75-01-4	Vinyl Chloride	1.0	---	
75-00-3	Chloroethane	1.0	---	
75-09-2	Methylene Chloride	1.5	---	
67-64-1	Acetone	5.0	---	
75-15-0	Carbon Disulfide	1.0	---	
75-35-4	1,1-Dichloroethene	1.0	---	
75-34-3	1,1-Dichloroethane	1.0	---	
156-60-5	trans-1,2-Dichloroethene	1.0	---	
156-59-2	cis-1,2-Dichloroethene	1.0	---	
67-66-3	Chloroform	1.0	---	
107-06-2	1,2-Dichloroethane	1.0	---	
78-93-3	2-Butanone	5.0	---	
71-55-6	1,1,1-Trichloroethane	1.0	---	
56-23-5	Carbon Tetrachloride	1.0	---	
108-05-4	Vinyl Acetate	1.0	---	
75-27-4	Bromodichloromethane	1.0	---	
78-87-5	1,2-Dichloropropane	1.0	---	
10061-01-5	cis-1,3-Dichloropropene	1.0	---	
79-01-6	Trichloroethene	1.0	---	
124-48-1	Dibromochloromethane	1.0	---	
79-00-5	1,1,2-Trichloroethane	1.0	---	
71-43-2	Benzene	1.0	---	
10061-02-6	trans-1,3-Dichloropropene	1.0	---	
110-75-8	2-Chloroethylvinylether	2.5	---	
75-25-2	Bromoform	1.0	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	---	
591-78-6	2-Hexanone	5.0	---	
127-18-4	Tetrachloroethene	1.0	---	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	---	
108-88-3	Toluene	1.0	---	
108-90-7	Chlorobenzene	1.0	---	
100-41-4	Ethylbenzene	1.0	---	
100-42-5	Styrene	1.0	---	
75-69-4	Trichlorofluoromethane	1.0	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	---	
1330-20-7	m,p-Xylene	2.0	---	
95-47-6	o-Xylene	1.0	---	
95-50-1	1,2-Dichlorobenzene	1.0	---	
541-73-1	1,3-Dichlorobenzene	1.0	---	
106-46-7	1,4-Dichlorobenzene	1.0	---	
107-02-8	Acrolein	25	---	
74-88-4	Methyl Iodide	1.0	---	
74-96-4	Bromoethane	1.0	---	
107-13-1	Acrylonitrile	5.0	---	
563-58-6	1,1-Dichloropropene	1.0	---	
74-95-3	Dibromomethane	1.0	---	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	---	
96-12-8	1,2-Dibromo-3-chloropropane	10	---	
96-18-4	1,2,3-Trichloropropane	2.5	---	

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B **Sample ID: GT3**
 MATRIX SPIKE DUP

Lab Sample ID: JI87A
LIMS ID: 06-8030
Matrix: Water
Date Analyzed: 05/22/06 16:09

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	---	
108-67-8	1,3,5-Trimethylbenzene	1.0	---	
95-63-6	1,2,4-Trimethylbenzene	1.0	---	
87-68-3	Hexachlorobutadiene	2.5	---	
106-93-4	Ethylene Dibromide	1.0	---	
74-97-5	Bromochloromethane	1.0	---	
594-20-7	2,2-Dichloropropane	1.0	---	
142-28-9	1,3-Dichloropropane	1.0	---	
98-82-8	Isopropylbenzene	1.0	---	
103-65-1	n-Propylbenzene	1.0	---	
108-86-1	Bromobenzene	1.0	---	
95-49-8	2-Chlorotoluene	1.0	---	
106-43-4	4-Chlorotoluene	1.0	---	
98-06-6	tert-Butylbenzene	1.0	---	
135-98-8	sec-Butylbenzene	1.0	---	
99-87-6	4-Isopropyltoluene	1.0	---	
104-51-8	n-Butylbenzene	1.0	---	
120-82-1	1,2,4-Trichlorobenzene	2.5	---	
91-20-3	Naphthalene	2.5	---	
87-61-6	1,2,3-Trichlorobenzene	2.5	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.0%
d8-Toluene	94.8%
Bromofluorobenzene	88.8%
d4-1,2-Dichlorobenzene	85.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-052206
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-052206 QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: NA
Reported: 05/23/06 Date Received: NA

Instrument/Analyst LCS: FINN3/PAB Sample Amount LCS: 20.0 mL
LCSD: FINN3/PAB LCSD: 20.0 mL
Date Analyzed LCS: 05/22/06 09:48 Purge Volume LCS: 20.0 mL
LCSD: 05/22/06 10:24 LCSD: 20.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Bromomethane	3.2	4.0	80.0%	3.1	4.0	77.5%	3.2%
Vinyl Chloride	4.1	4.0	102%	3.8	4.0	95.0%	7.6%
Chloroethane	4.2	4.0	105%	4.0	4.0	100%	4.9%
Methylene Chloride	3.9	4.0	97.5%	3.7	4.0	92.5%	5.3%
Acetone	20.8	20.0	104%	18.8	20.0	94.0%	10.1%
Carbon Disulfide	4.7	4.0	118%	4.4	4.0	110%	6.6%
1,1-Dichloroethene	4.1	4.0	102%	4.0	4.0	100%	2.5%
1,1-Dichloroethane	4.4	4.0	110%	4.2	4.0	105%	4.7%
trans-1,2-Dichloroethene	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
cis-1,2-Dichloroethene	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
Chloroform	4.3	4.0	108%	4.0	4.0	100%	7.2%
1,2-Dichloroethane	4.2	4.0	105%	4.0	4.0	100%	4.9%
2-Butanone	18.9	20.0	94.5%	18.6	20.0	93.0%	1.6%
1,1,1-Trichloroethane	4.5	4.0	112%	4.2	4.0	105%	6.9%
Carbon Tetrachloride	4.5	4.0	112%	4.1	4.0	102%	9.3%
Vinyl Acetate	4.5	4.0	112%	4.2	4.0	105%	6.9%
Bromodichloromethane	4.6	4.0	115%	4.4	4.0	110%	4.4%
1,2-Dichloropropane	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
cis-1,3-Dichloropropene	3.7	4.0	92.5%	3.5	4.0	87.5%	5.6%
Trichloroethene	4.1	4.0	102%	3.9	4.0	97.5%	5.0%
Dibromochloromethane	3.6	4.0	90.0%	3.4	4.0	85.0%	5.7%
1,1,2-Trichloroethane	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
Benzene	4.1	4.0	102%	4.0	4.0	100%	2.5%
trans-1,3-Dichloropropene	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
2-Chloroethylvinylether	4.6	4.0	115%	4.2	4.0	105%	9.1%
Bromoform	4.0	4.0	100%	3.6	4.0	90.0%	10.5%
4-Methyl-2-Pentanone (MIBK)	19.8	20.0	99.0%	18.2	20.0	91.0%	8.4%
2-Hexanone	20.0	20.0	100%	19.0	20.0	95.0%	5.1%
Tetrachloroethene	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
1,1,2,2-Tetrachloroethane	4.1	4.0	102%	4.0	4.0	100%	2.5%
Toluene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
Chlorobenzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
Ethylbenzene	4.4	4.0	110%	4.2	4.0	105%	4.7%
Styrene	4.3	4.0	108%	4.0	4.0	100%	7.2%
Trichlorofluoromethane	4.7	4.0	118%	4.3	4.0	108%	8.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LCS-052206
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-052206 QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
1,1,2-Trichloro-1,2,2-trifluoroetha	4.6	4.0	115%	4.2	4.0	105%	9.1%
m,p-Xylene	8.3	8.0	104%	8.3	8.0	104%	0.0%
o-Xylene	4.2	4.0	105%	3.9	4.0	97.5%	7.4%
1,2-Dichlorobenzene	4.2	4.0	105%	3.7	4.0	92.5%	12.7%
1,3-Dichlorobenzene	4.2	4.0	105%	3.7	4.0	92.5%	12.7%
1,4-Dichlorobenzene	4.3	4.0	108%	3.8	4.0	95.0%	12.3%
Acrolein	19.0	20.0	95.0%	18.4	20.0	92.0%	3.2%
Methyl Iodide	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
Bromoethane	4.2	4.0	105%	4.1	4.0	102%	2.4%
Acrylonitrile	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,1-Dichloropropene	4.3	4.0	108%	4.0	4.0	100%	7.2%
Dibromomethane	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
1,1,1,2-Tetrachloroethane	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
1,2-Dibromo-3-chloropropane	4.3	4.0	108%	3.6	4.0	90.0%	17.7%
1,2,3-Trichloropropane	4.1	4.0	102%	3.8	4.0	95.0%	7.6%
trans-1,4-Dichloro-2-butene	4.2	4.0	105%	3.8	4.0	95.0%	10.0%
1,3,5-Trimethylbenzene	4.6	4.0	115%	4.2	4.0	105%	9.1%
1,2,4-Trimethylbenzene	4.6	4.0	115%	4.2	4.0	105%	9.1%
Hexachlorobutadiene	4.0	4.0	100%	3.5	4.0	87.5%	13.3%
Ethylene Dibromide	3.8	4.0	95.0%	3.6	4.0	90.0%	5.4%
Bromochloromethane	4.0	4.0	100%	3.7	4.0	92.5%	7.8%
2,2-Dichloropropane	5.2	4.0	130%	4.7	4.0	118%	10.1%
1,3-Dichloropropane	4.0	4.0	100%	3.9	4.0	97.5%	2.5%
Isopropylbenzene	4.5	4.0	112%	4.2	4.0	105%	6.9%
n-Propylbenzene	5.0	4.0	125%	4.5	4.0	112%	10.5%
Bromobenzene	4.0	4.0	100%	3.8	4.0	95.0%	5.1%
2-Chlorotoluene	4.0	4.0	100%	4.3	4.0	108%	7.2%
4-Chlorotoluene	4.4	4.0	110%	4.1	4.0	102%	7.1%
tert-Butylbenzene	4.3	4.0	108%	3.9	4.0	97.5%	9.8%
sec-Butylbenzene	4.7	4.0	118%	4.3	4.0	108%	8.9%
4-Isopropyltoluene	4.6	4.0	115%	4.1	4.0	102%	11.5%
n-Butylbenzene	4.7	4.0	118%	4.2	4.0	105%	11.2%
1,2,4-Trichlorobenzene	3.8	4.0	95.0%	3.5	4.0	87.5%	8.2%
Naphthalene	3.7	4.0	92.5%	3.6	4.0	90.0%	2.7%
1,2,3-Trichlorobenzene	3.8	4.0	95.0%	3.4	4.0	85.0%	11.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	109%	102%
d8-Toluene	102%	97.0%
Bromofluorobenzene	104%	99.8%
d4-1,2-Dichlorobenzene	97.2%	89.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: MB-052206
  METHOD BLANK

Lab Sample ID: MB-052206 QC Report No: JI87-CDM
LIMS ID: 06-8030 Project: LeatherCare
Matrix: Water 38057-47522
Data Release Authorized: Date Sampled: NA
Reported: 05/23/06 Date Received: NA

Instrument/Analyst: FINN3/PAB Sample Amount: 20.0 mL
Date Analyzed: 05/22/06 10:52 Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 2 of 2

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-8030
Matrix: Water
Date Analyzed: 05/22/06 10:52

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	98.2%
Bromofluorobenzene	91.8%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE

Modified RSK 175
Page 1 of 1
Matrix: Water

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Received: 05/10/06

Data Release Authorized:
Reported: 05/18/06

ARI ID	Sample ID	Analysis Date	DL	Analyte	RL	Result
JI87A	GT3	05/17/06	1.0	**Methane**	7	100
06-8030				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI87B	GT1	05/17/06	1.0	**Methane**	7	98
06-8031				Ethane	12	< 12 U
				Ethene	11	< 11 U
JI87C	GT2	05/17/06	1.0	**Methane**	7	140
06-8032				Ethane	12	< 12 U
				Ethene	11	< 11 U
051706MB	Method Blank	05/17/06	1.0	Methane	7	< 7 U
051706MB	Method Blank	05/17/06	1.0	Ethane	12	< 12 U
051706MB	Method Blank	05/17/06	1.0	Ethene	11	< 11 U

Reported in ug/L (ppb)

ANALYTICAL RESOURCES INCORPORATED

RSK 175/METHANE-ETHANE-ETHENE WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522

ARI ID	Client ID	PRP	TOT OUT
JI87A	GT3	95.6%	0
JI87B	GT1	97.2%	0
JI87C	GT2	101%	0
MB-051706	Method Blank	107%	0
LCS-051706	Lab Control	110%	0

	LCS/MB LIMITS	QC LIMITS
(PRP) = Propane	(30-160)	(30-160)

Log Number Range: 06-8030 to 06-8032

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
METHANE ETHANE ETHENE
Modified RSK 175
Page 1 of 1
Matrix: Water

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Received: 05/10/06

Data Release Authorized:
Reported: 05/18/06

ARI ID	Analysis Date	Analyte	Spike	Result	Recovery	RPD
051706LCS	05/17/06	Methane	650	630	96.3%	
051706LCS	05/17/06	Ethane	1,200	1,200	97.8%	
051706LCS	05/17/06	Ethene	1,100	1,200	104.8%	

Reported in ug/L (ppb)

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Water

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Received: 05/10/06

Data Release Authorized:
Reported: 05/22/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/L
MB-051206	Method Blank	05/12/06	05/15/06	1.0	Diesel	< 0.25 U
06-8030	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	87.1%
JI87A	GT3	05/12/06	05/17/06	1.0	Diesel	< 0.25 U
06-8030	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	88.2%
JI87B	GT1	05/12/06	05/17/06	1.0	Diesel	< 0.25 U
06-8031	HC ID: ---		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	102%
JI87C	GT2	05/12/06	05/17/06	1.0	**Diesel**	**0.32**
06-8032	HC ID: **DRO**		FID3A		Motor Oil	< 0.50 U
					o-Terphenyl	97.1%

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

Data File: /chem3/fid3a.i/20060516.b/0516a064.d

Date : 17-MAY-2006 00:27

Client ID:

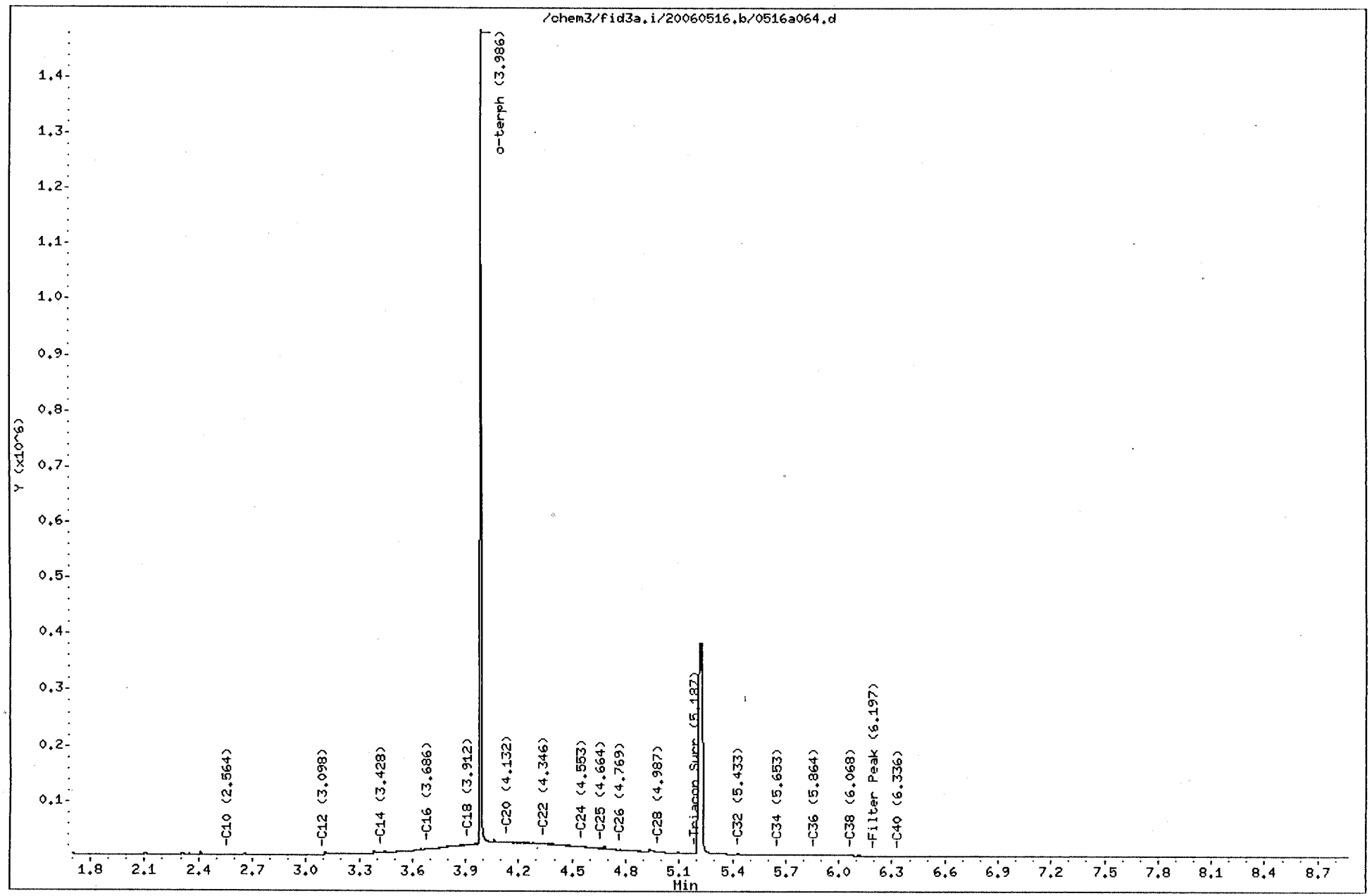
Sample Info: JI87A

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25

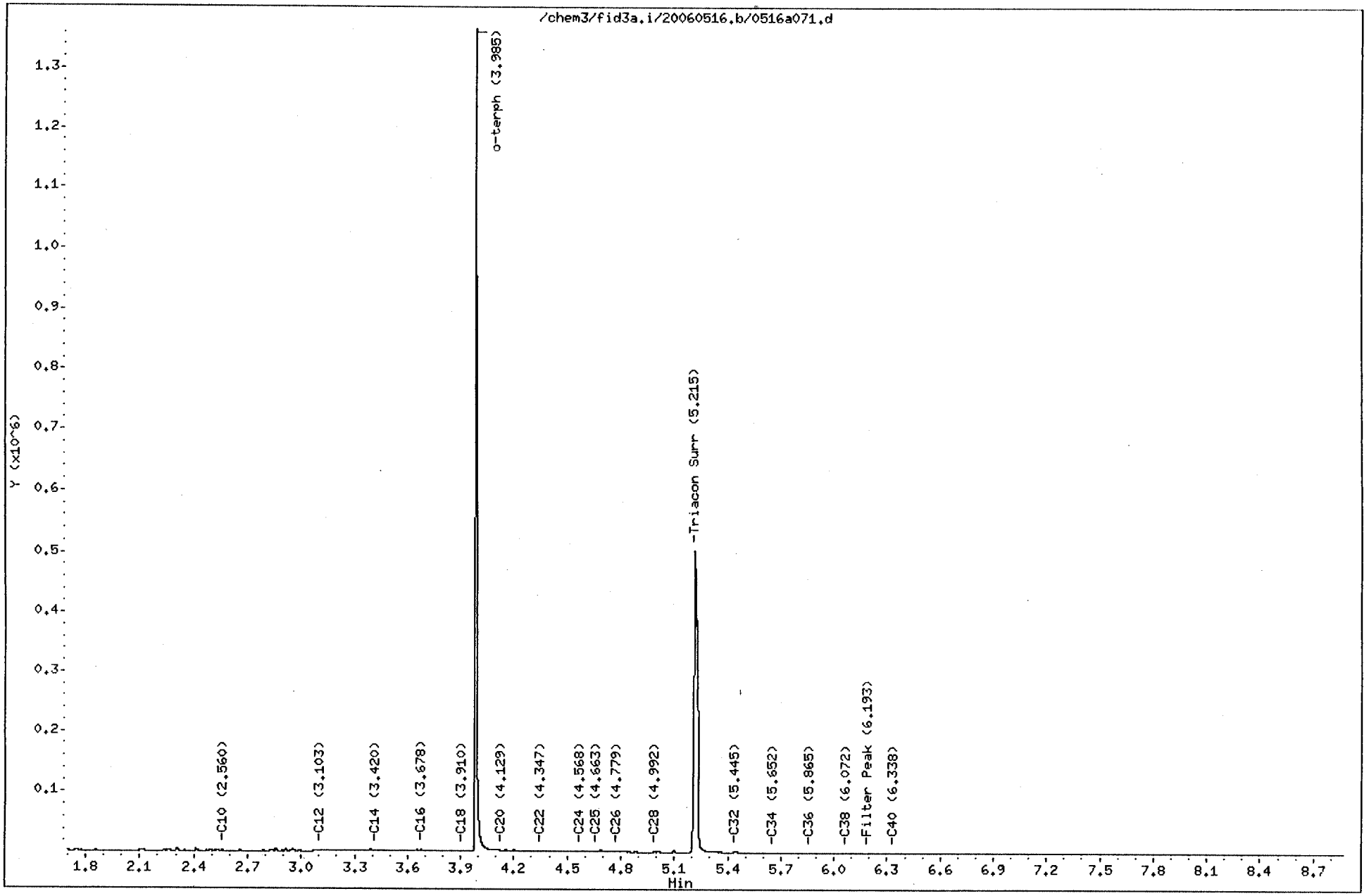


Data File: /chem3/fid3a.i/20060516.b/0516a071.d
Date : 17-MAY-2006 02:28
Client ID:
Sample Info: JI87B

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

Column phase: RTX-1

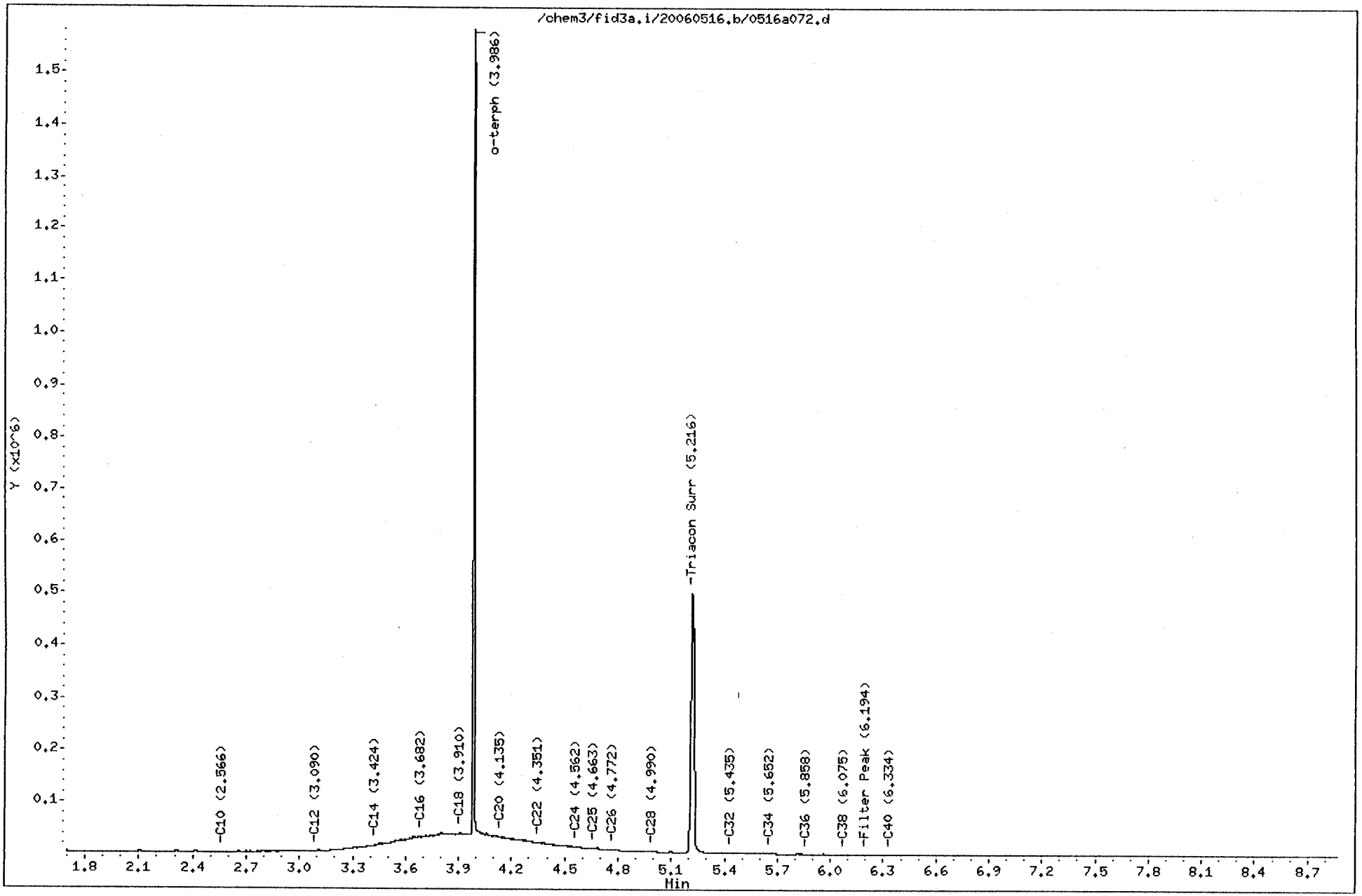


Data File: /chem3/fid3a.i/20060516.b/0516a072.d
Date : 17-MAY-2006 02:45
Client ID:
Sample Info: JI87C

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25

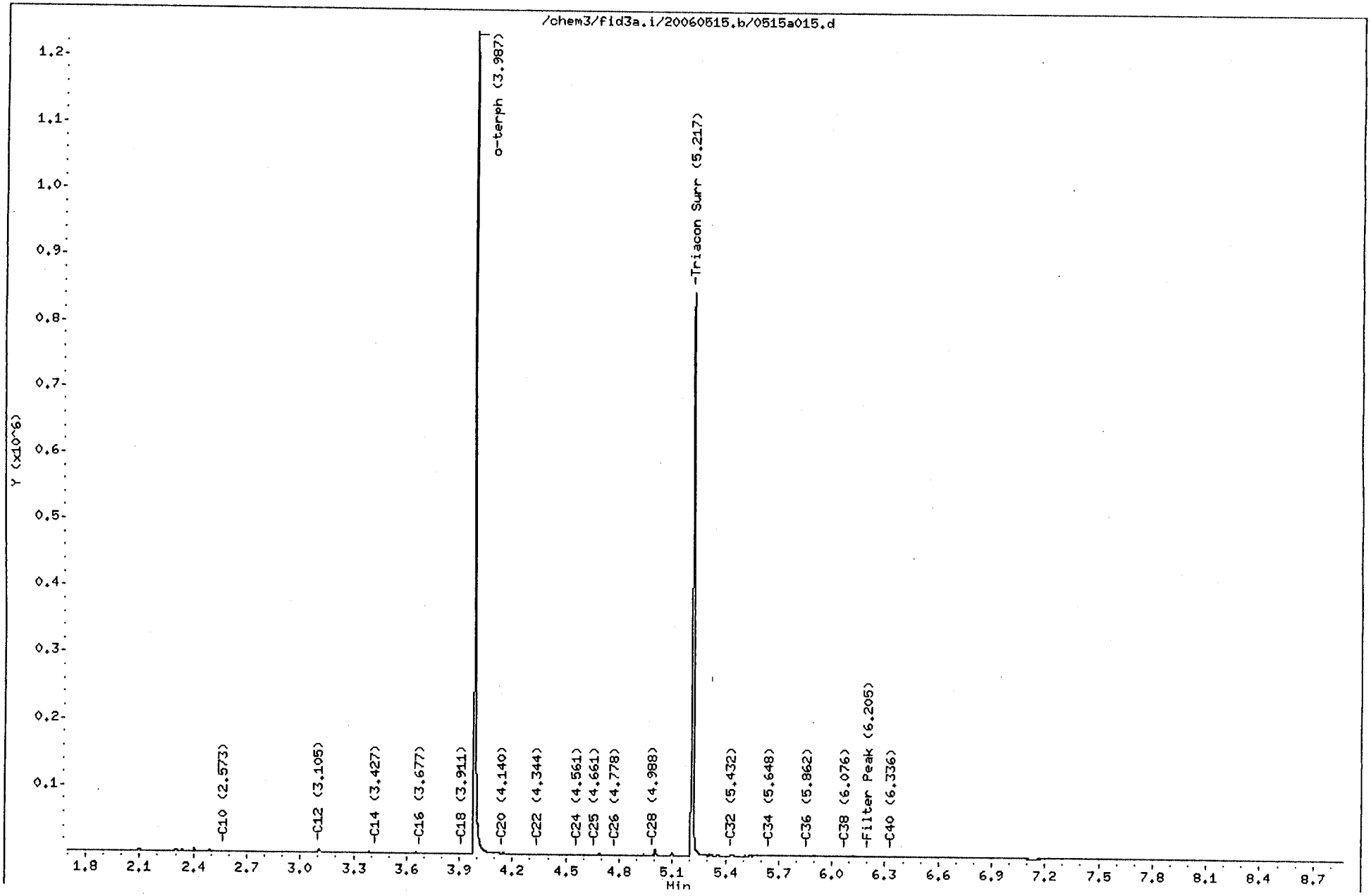


Data File: /chem3/fid3a.i/20060515.b/0515a015.d
Date : 15-MAY-2006 10:57
Client ID: JI50MBW1
Sample Info: JI50MBW1

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC
Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522

Client ID	OTER	TOT OUT
MB-051206	87.1%	0
LCS-051206	97.6%	0
GT3	88.2%	0
GT1	102%	0
GT2	97.1%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(60-116)	(52-124)

Prep Method: SW3510C
Log Number Range: 06-8030 to 06-8032

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: LCS-051206
LAB CONTROL

Lab Sample ID: LCS-051206
LIMS ID: 06-8030
Matrix: Water
Data Release Authorized: MWJ
Reported: 05/22/06

QC Report No: JI87-CDM
Project: LeatherCare
38057-47522
Date Sampled: NA
Date Received: NA

Date Extracted: 05/12/06
Date Analyzed: 05/15/06 11:14
Instrument/Analyst: FID3A/AAR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	2.78	3.00	92.7%

TPHD Surrogate Recovery

o-Terphenyl	97.6%

Results reported in mg/L

Data File: /chem3/fid3a.i/20060515.b/0515a016.d

Date : 15-MAY-2006 11:14

Client ID: JI50LCSW1

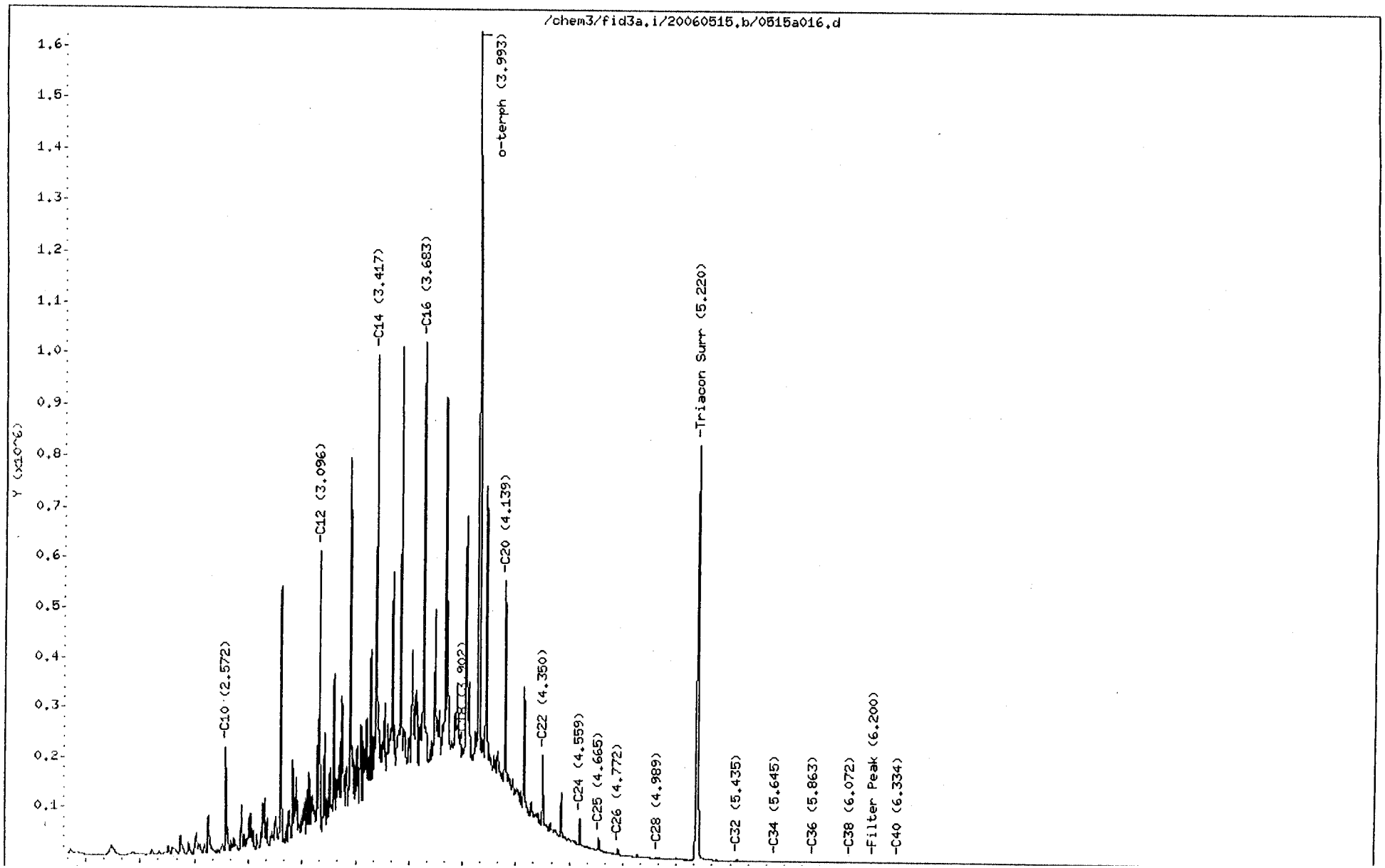
Sample Info: JI50LCSW1

Instrument: fid3a.i

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: JI87
Matrix: Water
Project: LeatherCare
Date Received: 05/10/06
38057-47522

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
06-8030-051206MB1	Method Blank	500 mL	1.00 mL	05/12/06
06-8030-051206LCS1	Lab Control	500 mL	1.00 mL	05/12/06
06-8030-JI87A	GT3	500 mL	1.00 mL	05/12/06
06-8031-JI87B	GT1	500 mL	1.00 mL	05/12/06
06-8032-JI87C	GT2	500 mL	1.00 mL	05/12/06

SAMPLE RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Client ID: GT3
ARI ID: 06-8030 JI87A

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	358
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	358
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/19/06 051906#1	EPA 325.2	mg/L	5.0	16.5
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	10.0	77.8
Chemical Oxygen Demand	05/16/06 051606#1	EPA 410.4	mg/L	5.00	9.29

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Client ID: GT1
ARI ID: 06-8031 JI87B

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	336
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	336
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/19/06 051906#1	EPA 325.2	mg/L	1.0	7.4
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	4.0	62.3
Chemical Oxygen Demand	05/16/06 051606#1	EPA 410.4	mg/L	5.00	6.18

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Client ID: GT2
ARI ID: 06-8032 JI87C

Analyte	Date Batch	Method	Units	RL	Sample
Alkalinity	05/12/06 051206#2	SM 2320	mg/L CaCO3	1.0	406
Carbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	05/12/06	SM 2320	mg/L CaCO3	1.0	406
Hydroxide	05/12/06	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Chloride	05/19/06 051906#1	EPA 325.2	mg/L	1.0	7.9
Sulfate	05/15/06 051506#2	EPA 375.2	mg/L	4.0	64.4
Chemical Oxygen Demand	05/11/06 051106#1	EPA 410.4	mg/L	5.00	5.68

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
Chloride	EPA 325.2	05/19/06	mg/L	< 1.0 U
Sulfate	EPA 375.2	05/15/06	mg/L	< 2.0 U
Chemical Oxygen Demand	EPA 410.4	05/11/06 05/16/06	mg/L	< 5.00 U < 5.00 U

MS/MSD RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JI87A Client ID: GT3							
Chloride	EPA 325.2	05/19/06	mg/L	16.5	66.9	50.0	100.8%
Chemical Oxygen Demand	EPA 410.4	05/16/06	mg/L	9.29	52.2	38.0	112.9%

REPLICATE RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: 05/10/06
Date Received: 05/10/06

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JI87A Client ID: GT3						
Chloride	EPA 325.2	05/19/06	mg/L	16.5	16.4	0.6%
Chemical Oxygen Demand	EPA 410.4	05/16/06	mg/L	9.29	< 5.00	NA

STANDARD REFERENCE RESULTS-CONVENTIONALS
JI87-CDM

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 05/23/06

Project: LeatherCare
Event: 38057-47522
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #38084	EPA 325.2	05/19/06	mg/L	4.9	5.0	98.0%
Sulfate ERA #37065	EPA 375.2	05/15/06	mg/L	24.9	25.0	99.6%
Chemical Oxygen Demand Thermo Orion #I01	EPA 410.4	05/11/06 05/16/06	mg/L	89.0 91.6	90.0 90.0	98.9% 101.8%

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