4636 E. Marginal Way S
Suite 215
Seattle, WA 98134
206.763.7364
Fax 206.763.4189

Clayton GROUP SERVICES

February 27, 2001

Voluntary Cleanup Program
Attn: Mr. Joe Hickey, Director
Washington State Department of Ecology
3190 160th Avenue SE
Bellevue, Washington 98008

Clayton Project No. 75-00319.00

Subject: Former Barg French Dry Cleaning Facility, 1929 3rd Avenue, Seattle, Washington **(TCP ID# 0580)**

Dear Mr. Hickey:

Please find enclosed the February 27, 2001 Report of Monitoring Well Installations and Soil and Groundwater Sampling Results for the former Barg French Dry Cleaning Facility at 1929 3rd Avenue, Seattle, Washington 98121.

Clayton submitted a Voluntary Cleanup Program (VCP) application to Ecology on November 27, 2000 along with copies of all available site reports. Please include the enclosed February 27, 2001 report with the site file. Per a discussion we had in early February, the project still had not been assigned to a VCP reviewer; however, Clayton anticipates this project will soon be assigned a VCP reviewer.

Due to our clients' wish to remediate the subject property as soon as possible to facilitate a pending real estate transaction, Clayton requests an expedited review of this case by Ecology. Clayton would also like to meet with the VCP reviewer as soon as possible to discuss the proposed remediation plan and design.

If you have any questions, comments, or require additional information, please contact Marcel Khouw or myself at (206) 763-7364.

Sincerely,

Greg Ferris, MS
Project Geologist
Environmental Services
Seattle Regional Office

RECEIVED
FEB 28 2001
DEPT. OF ECOLOGY

Enclosure

4636 E. Marginal Way S
Suite 215
Seattle, WA 98134
206.763.7364
Fax 206.763.4189

Clayton GROUP SERVICES

February 27, 2001



Ms. Cynthia Wagner
Environmental Risk Management
Union Bank of California
500 S. Main Street, Suite 320
Orange, California 92868

Clayton Project No.75-00319.00

Subject: Report of Monitoring Well Installations and Soil and Groundwater Sampling Results – Former Barg French Dry Cleaning Facility, 1929 3rd Avenue, Seattle, Washington 98121

Ms. Wagner:

Clayton Group Services, Inc. (Clayton) is pleased to present this letter report summarizing the January 2001 monitoring well installation activities and soil and groundwater sampling results for the Barg French Dry Cleaning Facility at 1929 3rd Avenue, Seattle, Washington. Figure 1, included in Attachment A, shows a partial topographic map indicating the site location.

## BACKGROUND

Clayton began installing a soil vapor extraction (SVE) system at the subject property on September 12, 2000. Following the installation of nine (9) SVE points ranging from 15 to 20 feet below ground surface (bgs), Clayton gauged the points to determine if groundwater was present. The gauging event indicated that the perched groundwater level was present at 11 to 12 feet bgs in all nine SVE points. Groundwater samples were then collected from six of the SVE points on September 19, 2000 to assess potential impacts to the perched groundwater. The groundwater sampling results indicated PCE concentrations in the six SVE points above the State of Washington Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A Cleanup Level of 5.0 ug/l.

## PURPOSE

The purpose of the proposed investigation was to delineate the horizontal extent of PCE in the perched groundwater beneath the subject property.

## SCOPE OF WORK

The scope of work included:

- Subcontracting an appropriately certified drilling subcontractor to drill three monitoring wells at and around the subject property to assess the horizontal extent of PCE in the perched groundwater beneath the site. The monitoring wells were drilled to approximately 18 feet bgs using a limited access Kango Electric Hammer Split-Spoon Sampling System.

- Collected soil samples continuously from each monitoring well for logging purposes. Analyzed the soil samples in the field for volatile organic compounds (VOCs) using a photo ionization detector (PID).

- The soil sample from each monitoring well exhibiting the highest PID reading was submitted for laboratory analyses.

- Analyzed the soil samples submitted to the lab for VOC's using EPA Method 8260.

- Gauged and surveyed monitoring wells to determine groundwater elevations and gradient.

- Collected groundwater samples from: the three newly installed shallow monitoring wells (MW-2, MW-3 and MW-4); a monitoring well (MW-1) previously installed at the site; and, the three SVE points (SVE-2, SVE-3 and SVE-8) not sampled during September 2000.

- Analyzed the groundwater samples submitted to the lab for VOC's using EPA Method 8260.

- Prepared this letter report summarizing the monitoring well installation activities, soil and groundwater sampling results, conclusions and recommendations.

## MONITORING WELL INSTALLATION ACTIVITIES

Clayton originally proposed to install five shallow monitoring wells at and around the subject property to delineate the horizontal extent of PCE in perched groundwater beneath the site. However, only three of the five proposed monitoring wells were installed on January 19, 2001. The following provides a discussion describing the limitations preventing the installation of the five monitoring wells:

- Access to install the proposed monitoring well in the parking garage to the north of the subject property was not granted by the property owner; therefore, this monitoring well could not be drilled and was omitted from the scope of work.

- Two monitoring wells were proposed to be installed in the bookstore to the south of the subject property; however, after drilling monitoring well MW-3 in the bookstore, it was determined that there were no obvious wet zones observed from 0 to 20.5 feet bgs, and water did not immediately enter the newly installed well. Due to time constraints and the lack of evidence of groundwater in MW-3 during drilling, the other monitoring well proposed for the bookstore was not drilled and was omitted from the scope of work.

- A monitoring well was originally proposed to be installed in the alley west of the subject property and a permit was obtained from the City of Seattle to drill the well in the alley. However, after meeting with the drillers and utility locator at the site, it was determined that the utilities in the alley were too numerous and too closely spaced to safely install the monitoring well. The monitoring well (MW-4) proposed to be installed in the alley was relocated and drilled just inside the west wall of the subject property.

On January 19, 2001, Mr. Greg Ferris, Clayton Project Geologist, supervised the installation of three monitoring wells (MW-2, MW-3 and MW-4) at the subject property ranging in total depth from 17 to 20.5 feet bgs. The three 1.25" diameter monitoring wells were installed by Sonic Soil Sampling using a hand-held Kango Electric Hammer Split-Spoon Sampling System. Conventional drilling methods could not be used to install the monitoring wells since the proposed monitoring wells were located in limited height access areas inside the building.

Monitoring well MW-2 was installed in the dry cleaning facility approximately 20 feet east of SVE-1 and SVE-2 to delineate the eastern limit of PCE in perched groundwater beneath the site. MW-2 was drilled to a total depth of 17.5 feet bgs. Ten feet of 1.25" diameter screen (0.01 inch slot) and ten feet of 1.25" diameter casing was used to construct MW-2 (screened interval from 7.5 to 17.5 feet bgs). The casing extends approximately 2 feet above ground surface.

Monitoring well MW-3 was installed in the back of the bookstore, approximately 15 feet west of SVE-11, to delineate the southern limit of PCE in perched groundwater beneath the site. MW-3 was drilled to a total depth of 20.5 feet bgs. 12.5 feet of 1.25" diameter screen (0.01 inch slot) and 10 feet of 1.25" diameter casing was used to construct MW-3 (screened interval from 8.0 to 20.5 feet bgs). The casing extends approximately 2 feet above ground surface.

Monitoring well MW-4 was installed in the dry cleaning facility, approximately 6 feet east of the west wall and 15 feet west of MW-1, to delineate the western boundary of PCE in perched groundwater beneath the site. MW-4 was drilled to a total depth of 17.0 feet bgs. Ten feet of 1.25" diameter screen (0.01 inch slot) and ten feet of 1.25" diameter casing was used to construct MW-4 (screened interval from 7.0 to 17.0 feet bgs). The casing extends approximately 3 feet above ground surface.

Figure 2, provided in Attachment A, shows the location of the monitoring wells and SVE points installed at the subject property. Attachment B contains the boring logs for the three monitoring wells (MW-2, MW-3 and MW-4) installed at the site on January 19, 2001.

## REGIONAL GEOLOGY, GROUNDWATER, AND SOIL CONDITIONS

The geologic unit underlying the site and vicinity is the Vashon Till, an extremely compacted glacial till of poorly sorted gravels, sands, silts and clays. The compacted nature of the Vashon Till (often called 'hard-pan') resulted from glacial out-wash sediments being over-ridden and subsequently compacted by a transgressing thick sheet of ice. Locally, the Vashon Till may be overlain by a thin veneer of loosely consolidated ablation till and/or thin out-wash, deposited as glaciers in the Puget Sound area regressed.

The thickness of the Vashon Till beneath the subject property is unknown. Poor drainage, low permeability and excellent foundation stability characterize Vashon Till.

Typically, shallow perched groundwater zones of limited extent are associated with the Vashon Till. Several sites in the vicinity of the subject property have perched zones of groundwater in the subsurface that are documented in site files at the State of Washington Department of Ecology (Ecology). The perched water table at the subject property was encountered approximately 11 feet below ground surface (bgs) during drilling of the monitoring wells.

Well driller logs for deeper wells installed in the vicinity of the subject property indicate the presence of a dry silt layer from approximately 20 to 60 feet bgs. This silt layer acts as a confining layer between the perched groundwater and the regional water table. The presence of this silt layer at approximately 17 to 20 feet bgs was confirmed during drilling of the monitoring wells at the subject property. From the area well logs reviewed

it was determined that the regional water table beneath the subject property is approximately 65 feet bgs.

The regional and shallow groundwater flow direction is inferred to be west-southwest, based on surface topography, toward Elliott Bay. However, topography is not always a reliable basis for predicting groundwater flow direction.

## SITE GEOLOGY

The geology encountered during drilling of the monitoring wells on January 19, 2001, revealed the subject property is generally underlain by a gray, semi-moist, medium- to fine-grained silty sand (SM) from 6" to 9 feet bgs. A gray, semi-wet, sandy silt (ML), was encountered from approximately 9 to 17 feet bgs. Below 17 feet bgs, a highly consolidated (very hard), dry, gray silt (ML), was encountered in the subsurface. The soils encountered at the site were classified using the Unified Soil Classification System (ASTM Designation D-2487). The hard silt layer encountered acts as a confining layer between the upper perched groundwater zone and the lower regional water table, estimated to be 65 feet bgs surface in the vicinity of the subject property. Groundwater was encountered in the subsurface during the drilling of the monitoring wells ranging from approximately 11 to 12 feet bgs. The inferred direction of groundwater flow beneath the subject property is west-southwest, based on surface topography. Soil boring logs for the monitoring wells are included in Appendix B.

## SOIL SAMPLING

During the January 19, 2001 monitoring well installation activities, soil samples were collected continuously for field analysis of volatile organic compounds (VOC's) using a photo-ionization detector (PID). The soil samples for field analysis were placed in Zip-Loc plastic bags, sealed, allowed to volatilize for at least 20 minutes, and subjected to head-space analysis using the PID. The soil sample exhibiting the highest PID reading from each monitoring well was then collected for lab analysis of VOC's using the Environmental Protection Agency (EPA) Method 8260. Clean latex gloves were worn as the soil samples for laboratory analysis were placed into four-ounce glass jars with Teflon-lined lids. The soil samples were labeled, placed in a cooler with ice, and transported to CCI Analytical Laboratories for analysis following standard chain-of-custody procedures.

## GROUNDWATER GAUGING AND SURVEYING RESULTS

On January 24, 2001, all monitoring wells and SVE points were gauged and surveyed to determine the depth to groundwater and the direction of shallow (perched) groundwater flow beneath the site. The depth to water ranged from 11.20 to 12.39 feet bgs on January 24, 2001. The groundwater levels indicated that a perched water table is present at the site. Table 1, included in Attachment C, summarizes the historical groundwater gauging data and survey data. Figures 3 and 4, included in Attachment A, provide water table elevation maps indicating the direction of shallow groundwater flow beneath the site for September 19, 2000 and January 24, 2001, respectively. The water table elevations measured at the site indicate that there is not a clearly defined direction of shallow groundwater flow beneath the site, and that the directions of groundwater flow between the monitoring wells and SVE points is variable.

## GROUNDWATER SAMPLING

On January 24, 2001, groundwater samples were collected from MW-1, MW-2, MW-3, MW-4, SVE-2, SVE-3 and SVE-8 for analysis of VOC's using EPA Method 8260. Six of the SVE points (SVE-1, SVE-4, SVE-5, SVE-6, SVE-7 and SVE-9) were previously sampled on September 19, 2000. Groundwater samples were collected from the 2" diameter SVE points (SVE-2, SVE-3 and SVE-8) using clean plastic disposable bailers, and placed in 40-millileter vials preserved with hydrochloric acid. Groundwater samples were collected from the 1.25" diameter monitoring wells (MW-1, MW-2, MW-3 and MW-4) using a peristaltic pump, and placed in 40-millileter vials preserved with hydrochloric acid.

The groundwater samples were labeled, placed in a cooler with ice, and transported to CCI Analytical Laboratories for analysis following standard chain-of-custody procedures. Prior to collecting the groundwater samples, approximately 3 to 5 casing volumes (2 to 5 gallons) of groundwater were removed from each monitoring well and SVE point and containerized in a 55-gallon drum.

## LABORATORY ANALYTICAL RESULTS

Tables 2 and 3, included in Attachment C, summarize the laboratory analytical results for the soil and groundwater samples collected during September 2000 and January 2001.

The soil sampling analytical results indicated the detection of PCE (3.2 mg/kg) in the soil sample (10 feet bgs) collected from SVE-5, above the MTCA Method A Cleanup Level of 0.5 mg/kg, but below the Method B Cleanup Level for PCE in soil (19.6 mg/kg). No other soil samples collected during September 2000 and January 2001 indicated PCE concentrations above the MTCA Method A Cleanup Level for PCE in soil. Figure 5,

included in Attachment A, shows a map indicating the soil PCE concentrations for samples collected during September 2000 and January 2001.

The groundwater samples collected from the SVE points on September 19, 2000, and January 24, 2001, indicated PCE concentrations ranging from <5.0 to 4,200 ug/l, above the MTCA Method A Cleanup Level for PCE in groundwater (5 ug/l). The MTCA CLARC II Method B Cleanup Level for PCE in groundwater is 80 ug/l. Figure 6, included in Attachment A, shows a map indicating the groundwater PCE concentrations for samples collected on September 19, 2000, and January 24, 2001.

Copies of the laboratory analytical reports are included in Attachment D.

## CONCLUSIONS AND RECOMMENDATIONS

Soil sampling conducted at the subject property during 1999 and 2000 indicates the source of PCE in the subsurface likely originated from the former dry cleaning machine. Also, laboratory analytical results for soil samples collected at the site indicate that the majority of PCE detected in the soil, greater than MTCA Method A Cleanup Levels, is present from ground surface to approximately 10 feet bgs. PCE concentrations in soil are highest in the area beneath the former dry cleaning machine and decrease with distance away from the location of the former dry cleaning machine. Soil PCE concentrations detected at the site are below the MTCA CLARC II Method B Cleanup Level.

Gauging the water levels and surveying the monitoring wells and SVE points indicated that there is no clearly defined direction of perched groundwater flow beneath the site.

Groundwater sampling of the monitoring wells and SVE points indicated PCE concentrations greater than the MTCA Method A Cleanup Level, with the highest PCE concentrations detected in SVE-5, located beneath the former dry cleaning machine. PCE concentrations in groundwater are highest in the area beneath the former dry cleaning machine and decrease with distance away from the location of the former dry cleaning machine.

Figure 6, included in Attachment A, indicates that PCE concentrations in perched groundwater beneath the site have been delineated to Method B Cleanup Levels to the east, south and west. However, delineation of the PCE in shallow groundwater to Method B Cleanup Levels has not been achieved to the north. Additional delineation of the horizontal extent of PCE in perched groundwater north of the site may not be achieved since access to the parking garage to the north was not granted by the property owner.

The geology encountered during drilling at the site revealed that a hard, dry, silt unit is present at approximately 20 feet bgs. Previous drilling (logged by others) indicated the same silt layer from approximately 20 to 30 feet bgs. Previous sampling indicated soil samples collected from 25 to 30 feet bgs reported non-detectable concentrations for PCE (Kleinfelder, 1999). The presence of the hard, dry, silt unit indicates that the perched water zone is limited in thickness (approximately 11 to 20 feet bgs). A review of area well logs indicates the presence of a dry silt from approximately 20 to 60 feet bgs. This hard, dry, silt layer acts as a confining layer between the upper perched groundwater zone and the deeper regional water table, estimated to be approximately 65 feet bgs in the vicinity of the subject property.

Clayton feels that the PCE in shallow groundwater beneath the site has been adequately delineated and recommends installation and startup of the Remediation Alternative 3 – Dual Phase Soil Vapor Extraction, outlined in the October 13, 2000 letter to the Union Bank of California. Clayton feels that this alternative, which will treat both soil and groundwater simultaneously, will likely be the most efficient and cost effective remediation method.

**LIMITATIONS**

The information and opinions rendered in this letter report are exclusively for use by Union Bank of California. Clayton Group Services will not distribute this report without your consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

Thank you for the opportunity to work on this project with you. If you have any questions, please call Marcel Khouw or myself at (206) 763-7364.

Prepared by:

Greg Ferris, MS
Project Geologist
Environmental Services
Seattle Regional Office

Reviewed by:

Marcel Khouw, PE
Manager
Environmental Services
Seattle Regional Office

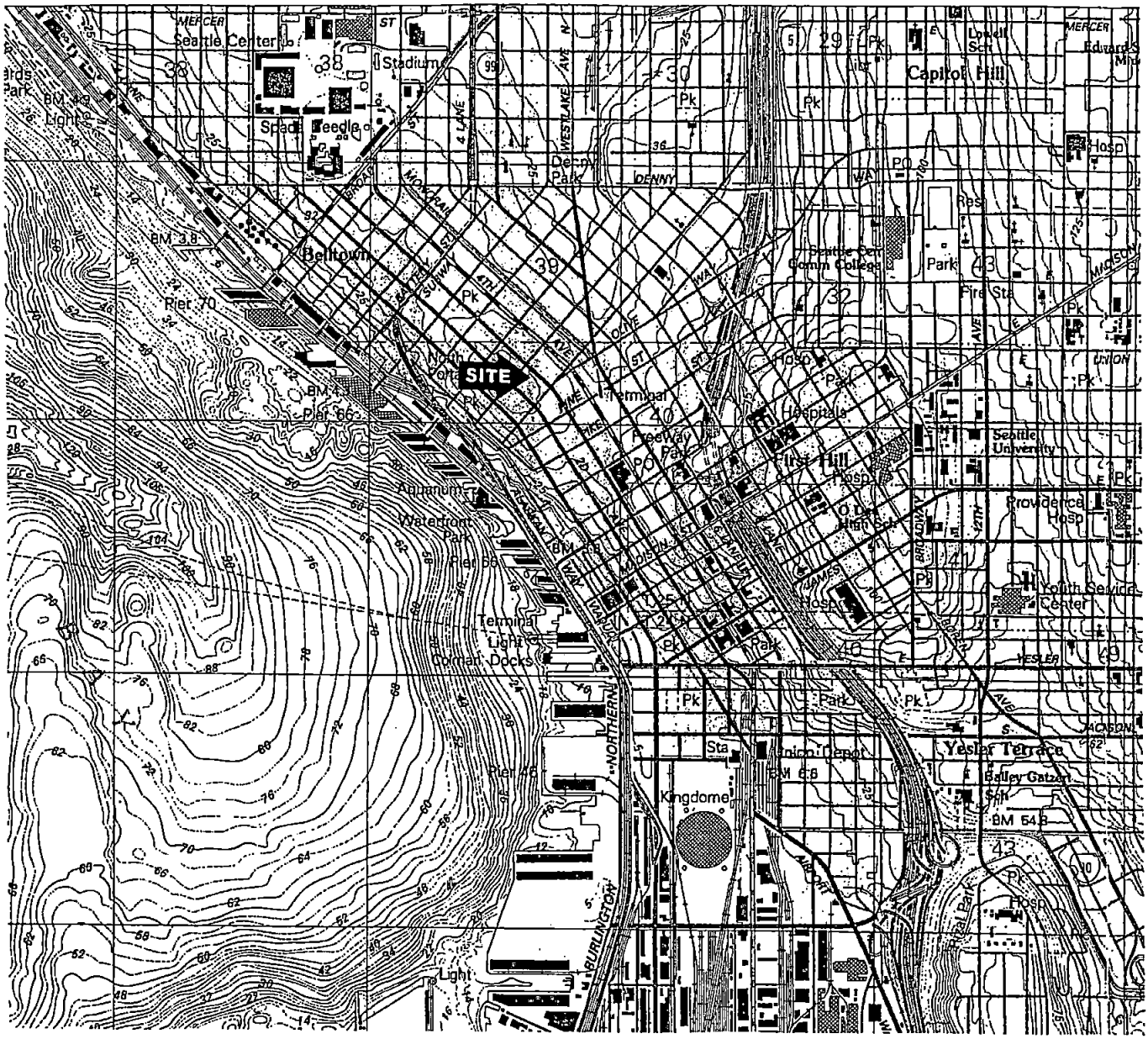
References

Attachment A – Figures
Attachment B – Boring Logs
Attachment C – Tables
Attachment D - Laboratory Analytical Reports

Clayton GROUP SERVICES

# ATTACHMENT A

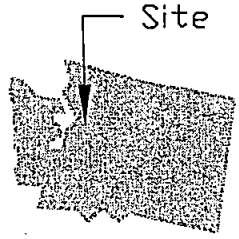
# FIGURES



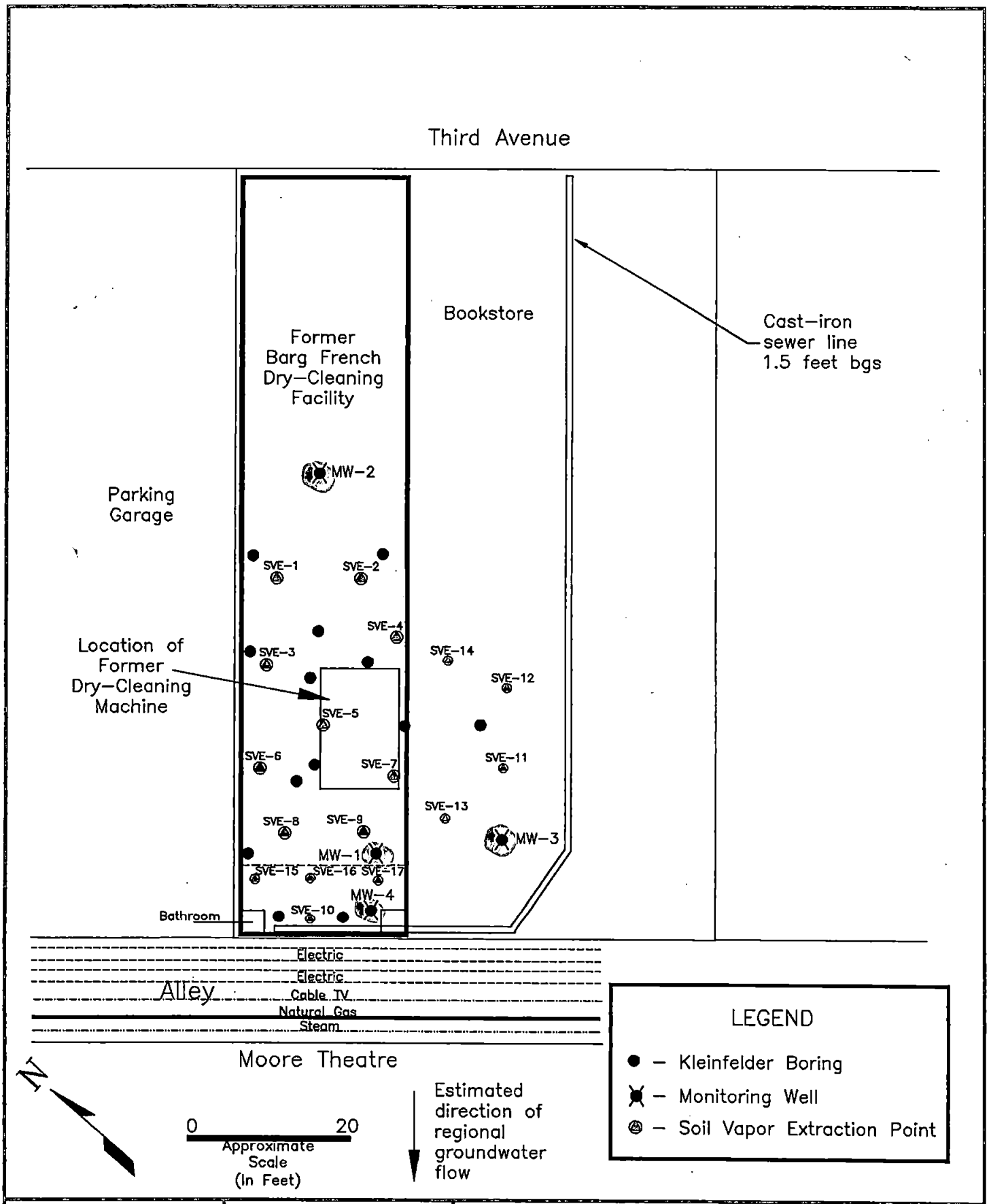

Portion of 7.5–minute Series
Topographic Map
United States Department of the Interior
Geological Survey

Seattle South Quadrangle, Washington
1983
Scale 1:25,000 metric

N




| | | | |
|---|---|---|---|
| Figure 1<br>Site Location Map | Clayton GROUP SERVICES | Barg French Dry Cleaning Facility<br>1929 Third Avenue<br>Seattle, Washington | |
| | | Clayton Project 75–00319.00 | Union Bank of California |




| | | | |
|---|---|---|---|
| Figure 2<br>Site Plan | Clayton GROUP SERVICES | Barg French Dry Cleaning Facility<br>1929 Third Avenue<br>Seattle, Washington | |
| | | Clayton Project 75–00319.00 | Union Bank of California |

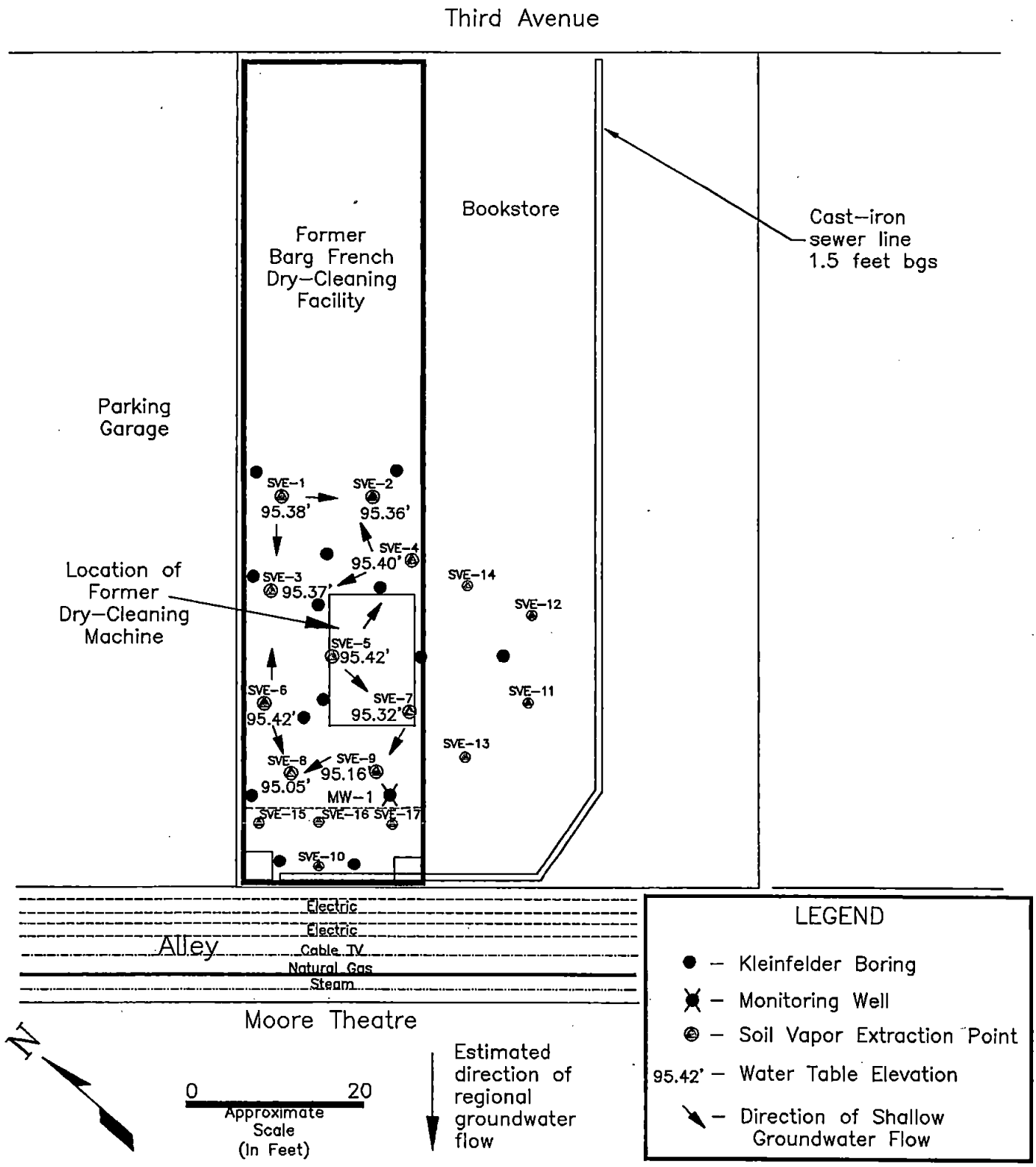



Figure 3

Water Table Elevations
(September 19, 2000)

Clayton GROUP SERVICES

Barg French Dry Cleaning Facility
1929 Third Avenue
Seattle, Washington

Clayton Project 75-00319.00 | Union Bank of California

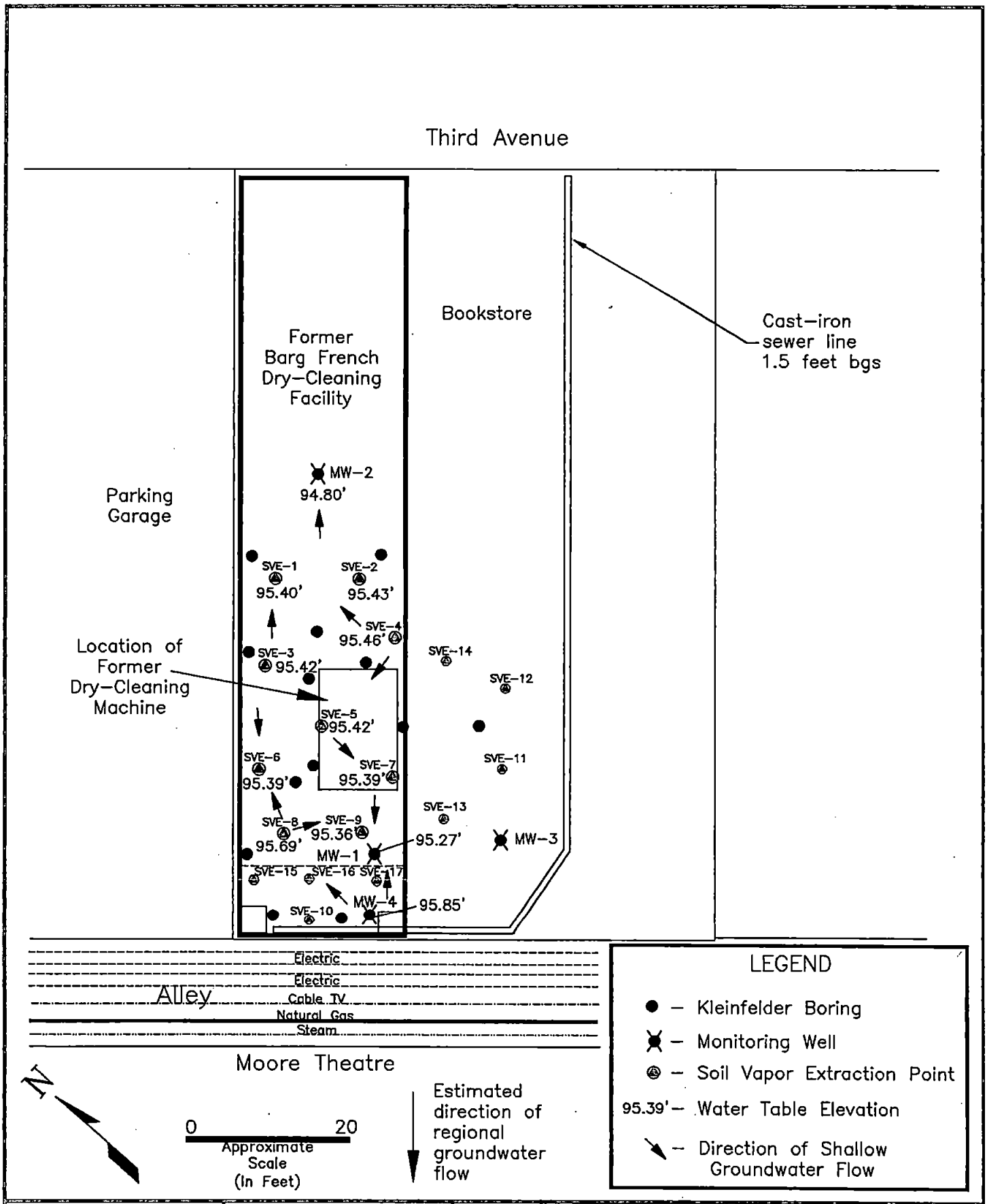


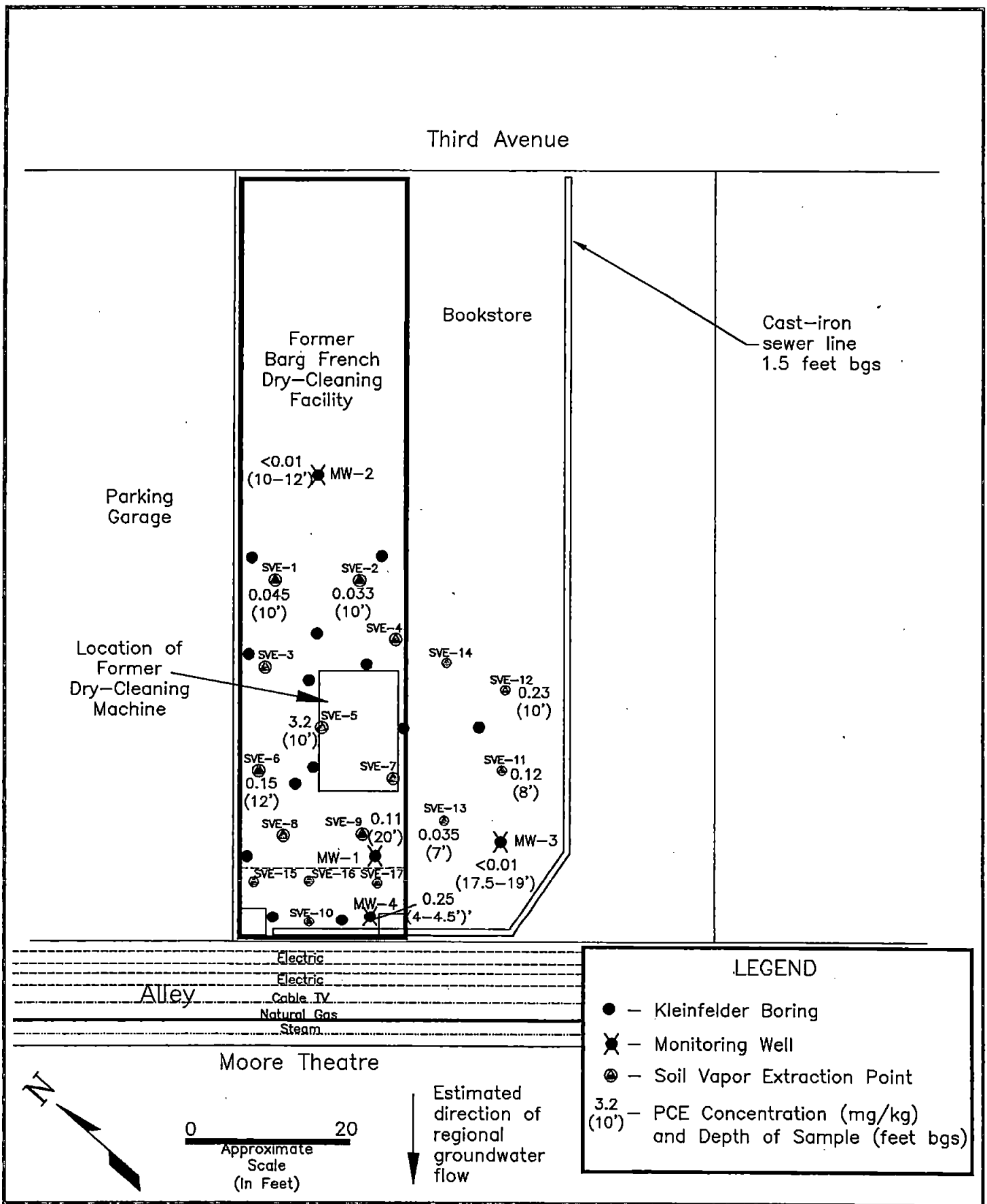

Figure 4

Water Table Elevations (January 24, 2001)

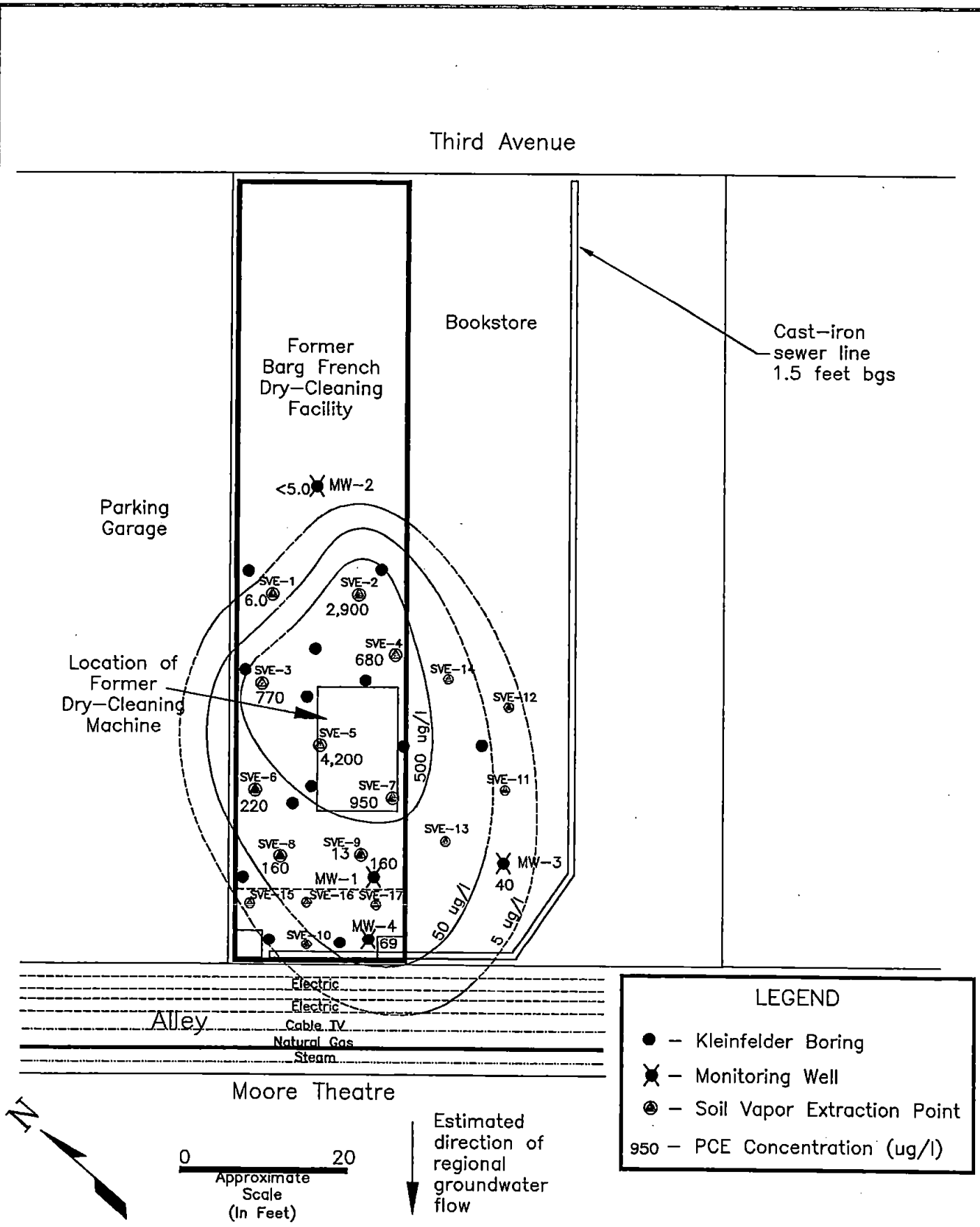
Clayton GROUP SERVICES

Barg French Dry Cleaning Facility
1929 Third Avenue
Seattle, Washington

Clayton Project 75-00319.00 | Union Bank of California




| | | |
|---|---|---|
| Figure 5<br>Soil PCE Concentrations | Clayton GROUP SERVICES | Barg French Dry Cleaning Facility<br>1929 Third Avenue<br>Seattle, Washington |
| | | Clayton Project 75–00319.00 \| Union Bank of California |




| | | | |
|---|---|---|---|
| Figure 6<br>Groundwater PCE Concentrations | Clayton GROUP SERVICES | Barg French Dry Cleaning Facility<br>1929 Third Avenue<br>Seattle, Washington | |
| | | Clayton Project 75–00319.00 | Union Bank of California |

Clayton GROUP SERVICES

# ATTACHMENT B

# BORING LOGS

# Boring Log

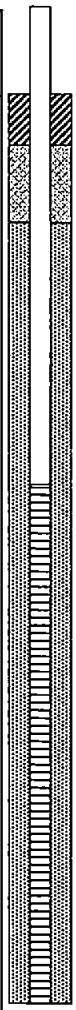
## Clayton Boring MW-2

| | |
|---|---|
| *Final depth* | 17.5 feet BGS |
| *Page* | 1 of 1 |
| *Boring location* | MW-2 |
| *Client* | Union Bank of California |
| *Project No.* | 75-00319.00 |
| *Site* | Barg-French Dry Cleaners 1929 3rd Avenue Seattle, WA |
| *Clayton geologist* | Greg Ferris |
| *Driller* | SSS/Cascade |
| *Start date* | 19 Jan. 00 |
| *Final date* | 19 Jan. 00 |
| *Method* | Hydraulic Push |
| *Auger OD* | 2 inches |
| *Sampler* | Split-Spoon |
| *Elevation Datum* | |
| *round surface* | feet |

| | |
|---|---|
| *Monitoring Well* | MW-2 |
| *TOC elevation* | feet |
| *Grout interval* | 0. feet BGS<br>1.0 feet BGS |
| *Bentonite plug* | 1.5 feet thick |
| *Filter pack interval* | 2.5 feet BGS<br>17.5 feet BGS |
| *Screen length* | 10.0 feet |
| *Slot size* | 0.01 inches |
| *Screen bottom* | 17.5 feet BGS |
| *Grout method* | |
| *Pack material* | |
| *Grout material* | |
| *Development Well lock No.* | |

| | |
|---|---|
| *Groundwater* | Date 1 |
| *Static level* | ~12 feet below TOC |
| *Elevation* | feet |
| *Volume purged* | gallons |
| *Conductivity* | µmhos |
| *Temperature* | °F |
| *pH* | |
| | Date 2 |
| *Static level* | feet below TOC |
| *Elevation* | feet |
| *Volume purged* | gallons |
| *Conductivity* | µmhos |
| *Temperature* | °F |
| *pH* | |

| ft | R | Soil | N | Soil Type | Color | Soil Moisture | Comment | PID ppm |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | Tile, Wood Floor, 4" Concrete | | | | |
| | | ML | | Silt, with fine sand (slightly moist) | Gray | Moist | No odor | 1 |
| 2 | | | | | | | | 1 |
| 4 | | ML | | Silt, with fine sand (slightly moist) | Gray | Moist | No Odor | 1 |
| 6 | | | | | | | | 1 |
| | | | | | | | | 1 |
| 8 | | ML | | Silt, with fine sand (more moist) | Gray | Moist | No Odor | 1 |
| | | | | | | | | 1 |
| 10 | | | | Soil sample 011901-S1 collected from 10-12' bgs | | | | 2 |
| 12 | | | | | | | | 1 |
| | | ML | | Silt, with fine sand (less moist) | Gray | Moist | No Odor | 1 |
| 14 | | | | | | | | 1 |
| | | ML | | Silt, with fine sand (more moist) | Gray | Moist | No Odor | 1 |
| 16 | | | | | | | | |
| | | | | Refusal at 17.5' bgs | | | | |
| 18 | | | | Boring Terminated | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |



Clayton GROUP SERVICES

# Boring Log

## Clayton Boring MW-3

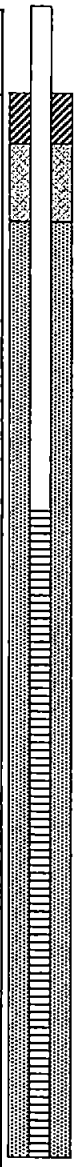
| | |
|---|---|
| *Final depth* | **20.5** feet BGS |
| *Page* | 1 of 1 |
| *Boring location* | MW-3 |
| *Client* | Union Bank of Califomia |
| *Project No.* | 75-00319.00 |
| *Site* | Barg-French Dry Cleaners 1929 3rd Avenue Seattle, WA |
| *Clayton geologist* | Greg Ferris |
| *Driller* | SSS/Cascade |
| *Start date* | 19 Jan. 00 |
| *Final date* | 19 Jan. 00 |
| *Method* | Hydraulic Push |
| *Auger OD* | 2 inches |
| *Sampler* | Split-Spoon |
| *Elevation Datum* | |
| *round surface* | feet |

| *Monitoring Well* | MW-3 |
|---|---|
| *TOC elevation* | feet |
| *Grout* | 0. feet BGS |
| *interval* | 1.0 feet BGS |
| *Bentonite plug* | 1.5 feet thick |
| *Filter pack* | 2.5 feet BGS |
| *interval* | 20.5 feet BGS |
| *Screen length* | 12.5 feet |
| *Slot size* | 0.01 inches |
| *Screen bottom* | 20.5 feet BGS |
| *Grout method* | |
| *Pack material* | |
| *Grout material* | |
| *Development* | |
| *Well lock No.* | |

| *Groundwater* | Date 1 |
|---|---|
| *Static level* | –12 feet below TOC |
| *Elevation* | feet |
| *Volume purged* | gallons |
| *Conductivity* | µmhos |
| *Temperature* | °F |
| *pH* | |
| | Date 2 |
| *Static level* | feet below TOC |
| *Elevation* | feet |
| *Volume purged* | gallons |
| *Conductivity* | µmhos |
| *Temperature* | °F |
| *pH* | |

Clayton GROUP SERVICES

| ft | R | Soil | N | Soil Type | Color | Soil Moisture | Comment | PID ppm |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | Wood Floor, 4" Concrete | | | | |
| | | SM | | Sandy silt | Gray | Dry | No odor | 1 |
| 2 | | | | | | | | |
| | | | | | | | | 2 |
| 4 | | | | | | | | |
| | | SM | | Sandy silt | Gray | Dry | No odor | 1 |
| | | | | | | | | |
| 6 | | | | | | | | |
| | | | | | | | | 2 |
| 8 | | | | | | | | |
| | | ML | | Silt, with fine sand (moist) | Gray | Moist | No Odor | 1 |
| 10 | | | | | | | | |
| | | | | | | | | 1 |
| 12 | | | | | | | | 1 |
| | | ML | | Silt, with fine sand (moist) | Gray | Moist | No Odor | 1 |
| 14 | | | | | | | | |
| | | | | | | | | 1 |
| | | | | | | | | |
| 16 | | | | | | | | 1 |
| | | SM | | Sandy silt | Gray | Dry | No odor | 2 |
| 18 | | | | Soil sample 011901-S2 collected from 17.5-19' bgs | | | | |
| | | | | | | | | 1 |
| 20 | | | | Refusal at 20.5' bgs | | | | |
| | | | | Boring Terminated | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |



# Boring Log

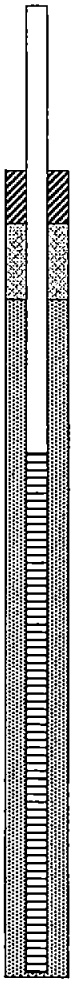
## Clayton Boring MW-4

| | |
|---|---|
| *Final depth* | 17 feet BGS |
| *Page* | 1 of 1 |
| *Boring location* | MW-4 |
| *Client* | Union Bank of California |
| *Project No.* | 75-00319.00 |
| *Site* | Barg-French Dry Cleaners 1929 3rd Avenue Seattle, WA |
| *Clayton geologist* | Greg Ferris |
| *Driller* | SSS/Cascade |
| *Start date* | 19 Jan. 00 |
| *Final date* | 19 Jan. 00 |
| *Method* | Hydraulic Push |
| *Auger OD* | 2 inches |
| *Sampler* | Split-Spoon |
| *Elevation Datum* | |
| *round surface* | feet |

| | |
|---|---|
| *Monitoring Well* | MW-4 |
| *TOC elevation* | feet |
| *Grout* | 0. feet BGS |
| *interval* | 1.0 feet BGS |
| *Bentonite plug* | 1.5 feet thick |
| *Filter pack* | 2.5 feet BGS |
| *interval* | 17.0 feet BGS |
| *Screen length* | 10.0 feet |
| *Slot size* | 0.01 inches |
| *Screen bottom* | 17.0 feet BGS |
| *Grout method* | |
| *Pack material* | |
| *Grout material* | |
| *Development* | |
| *Well lock No.* | |

| | |
|---|---|
| *Groundwater* | Date 1 |
| *Static level* | ~12 feet below TOC |
| *Elevation* | feet |
| *Volume purged* | gallons |
| *Conductivity* | µmhos |
| *Temperature* | °F |
| *pH* | |
| | Date 2 |
| *Static level* | feet below TOC |
| *Elevation* | feet |
| *Volume purged* | gallons |
| *Conductivity* | µmhos |
| *Temperature* | °F |
| *pH* | |

| ft | R | Soil | N | Soil Type | Color | Soil Moisture | Comment | PID ppm |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | Open | | | | |
| 2 | | SM | | Sandy silt | Gray | Dry | No odor | 3 |
| 4 | | SM | | Sandy silt (dense)<br>Soil sample 011901-S3 collected from 4-4.5' bgs | Gray | Dry | No odor | 3 |
| | | | | | | | | 2 |
| 6 | | | | | | | | |
| | | | | | | | | 2 |
| 8 | | | | | | | | 3 |
| | | SM | | Sandy silt (dense) | Gray | Dry | No odor | 2 |
| 10 | | | | | | | | |
| | | | | | | | | 1 |
| 12 | | ML | | Silt, with fine sand (slightly moist) | Gray | Moist | No Odor | 1 |
| | | | | | | | | 1 |
| 14 | | | | | | | | |
| | | ML | | Silt, with fine sand (slightly moist) | Gray | Moist | No Odor | 1 |
| 16 | | | | | | | | |
| | | | | Refusal at 17' bgs | | | | |
| | | | | Boring Terminated | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |



Clayton GROUP SERVICES

Clayton GROUP SERVICES

# ATTACHMENT C

# TABLES

Clayton GROUP SERVICES

**TABLE 1. LIQUID LEVEL GAUGING DATA SUMMARY.**
**Barg French Dry Cleaner - 1929 3rd Avenue, Seattle, Washington**

| Location | Date | PID (ppm) | Total Depth (Ft bgs) | TOC Elevation (Ft) | DTW (Ft BTOC) | Casing (Ft abs) | DTW (Ft bgs) | Water Table Elev. (Ft) |
|---|---|---|---|---|---|---|---|---|
| SVE-1 | 01/24/01 | 23.3 | 20 | 109.59 | 14.19 | 2.48 | 11.71 | 95.40 |
| SVE-2 | 01/24/01 | 26.2 | 20 | 109.34 | 13.91 | 2.16 | 11.75 | 95.43 |
| SVE-3 | 01/24/01 | 63.6 | 17 | 109.27 | 13.85 | 2.09 | 11.76 | 95.42 |
| SVE-4 | 01/24/01 | 125 | 15 | 109.34 | 13.88 | 2.10 | 11.78 | 95.46 |
| SVE-5 | 01/24/01 | 65.4 | 17 | 108.50 | 13.08 | 1.30 | 11.78 | 95.42 |
| SVE-6 | 01/24/01 | 99.2 | 18 | 109.31 | 13.92 | 2.18 | 11.74 | 95.39 |
| SVE-7 | 01/24/01 | 257 | 19.5 | 109.90 | 14.51 | 2.72 | 11.79 | 95.39 |
| SVE-8 | 01/24/01 | 199 | 15 | 109.11 | 13.42 | 1.93 | 11.49 | 95.69 |
| SVE-9 | 01/24/01 | 281 | 19 | 109.67 | 14.31 | 2.42 | 11.89 | 95.36 |
| SVE-10 | 01/24/01 | 7.2 | 10 | - | - | - | - | - |
| SVE-11 | 01/24/01 | 20.8 | 10 | - | - | - | - | - |
| SVE-12 | 01/24/01 | 26.8 | 10 | - | - | - | - | - |
| SVE-13 | 01/24/01 | 36.4 | 10 | - | - | - | - | - |
| SVE-14 | 01/24/01 | 5.1 | 10 | - | - | - | - | - |
| SVE-15 | 01/24/01 | 35.3 | 12 | - | - | - | - | - |
| SVE-16 | 01/24/01 | 117 | 10 | - | - | - | - | - |
| SVE-17 | 01/24/01 | 83.7 | 10 | - | - | - | - | - |
| MW-1 | 01/24/01 | 17 | 14 | 107.90 | 12.63 | 0.70 | 11.93 | 95.27 |
| MW-2 | 01/24/01 | 1.2 | 17.5 | 109.08 | 14.28 | 1.89 | 12.39 | 94.80 |
| MW-3 | 01/24/01 | 1.4 | 20.5 | - | 13.60 | 1.89 | 11.71 | - |
| MW-4 | 01/24/01 | 5.1 | 17 | 110.00 | 14.15 | 2.95 | 11.20 | 95.85 |

| Location | Date | PID (ppm) | Total Depth (Ft bgs) | TOC Elevation (Ft) | DTW (Ft BTOC) | Casing (Ft abs) | DTW (Ft bgs) | Water Table Elev. (Ft) |
|---|---|---|---|---|---|---|---|---|
| SVE-1 | 09/19/00 | 4.1 | 20 | 109.59 | 14.21 | 2.48 | 11.73 | 95.38 |
| SVE-2 | 09/19/00 | 19.3 | 20 | 109.34 | 13.98 | 2.16 | 11.82 | 95.36 |
| SVE-3 | 09/19/00 | 44.3 | 17 | 109.27 | 13.90 | 2.09 | 11.81 | 95.37 |
| SVE-4 | 09/19/00 | 75.6 | 15 | 109.34 | 13.94 | 2.10 | 11.84 | 95.40 |
| SVE-5 | 09/19/00 | 32.4 | 17 | 108.50 | 13.08 | 1.30 | 11.78 | 95.42 |
| SVE-6 | 09/19/00 | 84.4 | 18 | 109.31 | 13.89 | 2.18 | 11.71 | 95.42 |
| SVE-7 | 09/19/00 | 182 | 19.5 | 109.90 | 14.58 | 2.72 | 11.86 | 95.32 |
| SVE-8 | 09/19/00 | 121 | 15 | 109.11 | 14.06 | 1.93 | 10.85 | 95.05 |
| SVE-9 | 09/19/00 | 147 | 19 | 109.67 | 14.51 | 2.42 | 12.09 | 95.16 |
| SVE-10 | 09/19/00 | 0.7 | 10 | - | - | - | - | - |
| SVE-11 | 09/19/00 | - | 10 | - | - | - | - | - |
| SVE-12 | 09/19/00 | - | 10 | - | - | - | - | - |
| SVE-13 | 09/19/00 | - | 10 | - | - | - | - | - |
| SVE-14 | 09/19/00 | - | 10 | - | - | - | - | - |
| SVE-15 | 09/19/00 | 46.1 | 12 | - | - | - | - | - |
| SVE-16 | 09/19/00 | 95.5 | 10 | - | - | - | - | - |
| SVE-17 | 09/19/00 | 57.6 | 10 | - | - | - | - | - |

SVE = Soil Vapor Extracton Point
MW = Monitoring Well
PID = Photo-Ionization Detector
ppm = Parts Per Million
bgs = Below Ground Surface
abs = Above Ground Surface
TOC = Top of Casing
BTOC = Below Top of Casing
DTW = Depth to Water

Clayton GROUP SERVICES

**TABLE 2. SOIL SAMPLING RESULTS SUMMARY.**
**Union Bank of California - Barg French Dry Cleaners, 1929 3rd Avenue, Seattle, Washington.**

| | | | | Trichloroethene (mg/kg) | Tetrachloroethylene (mg/kg) | Methylene Chloride (mg/kg) |
|---|---|---|---|---|---|---|
| MTCA Method A Cleanup Level = | | | | 0.5 | 0.5 | 0.5 |
| CLARC II Method B Cleanup Level = | | | | 90.9 | 19.6 | - |
| Vapor Point | Date | Sample ID | Depth | | | |
| SVE-1 | 09/12/00 | VP1-091200-S1 | 10' | <0.010 | 0.045 | <0.050 |
| SVE-2 | 09/12/00 | VP2-091200-S1 | 10' | <0.010 | 0.033 | <0.050 |
| SVE-2 | 09/12/00 | VP2-091200-S2 | 19' | <0.010 | <0.010 | <0.050 |
| SVE-5 | 09/12/00 | VP5-091200-S1 | 10' | <0.010 | 3.2 | <0.050 |
| SVE-6 | 09/13/00 | VP6-091300-S1 | 12' | <0.010 | 0.150 | <0.020 |
| SVE-9 | 09/14/00 | VP9-091400-S1 | 20' | <0.010 | 0.110 | 0.06* |
| SVE-10 | 09/12/00 | VP10-091200-S1 | 10' | <0.010 | 0.031 | <0.050 |
| SVE-11 | 09/12/00 | VP11-091200-S1 | 8' | <0.010 | 0.120 | 0.07* |
| SVE-11 | 09/12/00 | VP11-091200-S2 | 11' | <0.010 | <0.010 | 0.025* |
| SVE-12 | 09/12/00 | VP12-091200-S1 | 10' | <0.010 | 0.230 | 0.02* |
| SVE-13 | 09/12/00 | VP13-091200-S1 | 7' | <0.010 | 0.035 | <0.020 |
| SVE-15 | 09/13/00 | VP15-091300-S1 | 7' | <0.010 | 0.067 | <0.020 |
| MW-2 | 01/19/01 | 011901-S1 | 10-12' | <0.010 | <0.010 | 0.042* |
| MW-3 | 01/19/01 | 011901-S2 | 17.5-19' | <0.010 | <0.010 | 0.032* |
| MW-4 | 01/19/01 | 011901-S3 | 4-4.5' | <0.010 | 0.250 | <0.020 |

SVE = Soil Vapor Extraction Point
MW = Monitoring Well
MTCA = Model Toxics Control Act
CLARC II = Cleanup Levels and Risk Calculations
mg/kg = milligrams per kilogram or parts per million (ppm)
* = result likely due to laboratory contamination (see lab report)

**TABLE 3. GROUNDWATER SAMPLING RESULTS SUMMARY.**
**Union Bank of California - Barg French Dry Cleaners, 1929 3rd Avenue, Seattle, Washington.**

| | | | | Trichloroethene (ug/l) | Tetrachloroethylene (ug/l) | Methylene Chloride (ug/l) |
|---|---|---|---|---|---|---|
| MTCA Method A Cleanup Level = | | | | 5 | 5 | 5 |
| CLARC II Method B Cleanup Level = | | | | 3.98 | 80 | - |
| Vapor Point | Date | Sample ID | DTW | | | |
| SVE-1 | 09/19/00 | 91900-GW1 | 11.73' | <5 | **6** | <5 |
| SVE-2 | 01/24/01 | 012401-SVE2 | 11.75' | **20** | **2,900** | <5 |
| SVE-3 | 01/24/01 | 012401-SVE3 | 11.76' | <5 | **770** | <5 |
| SVE-4 | 09/19/00 | 91900-GW2 | 11.84' | **29** | **680** | <5 |
| SVE-5 | 09/19/00 | 91900-GW3 | 11.78' | **5** | **4,200** | <5 |
| SVE-6 | 09/19/00 | 91900-GW4 | 11.71' | <5 | **220** | <5 |
| SVE-7 | 09/19/00 | 91900-GW5 | 11.86' | <5 | **950** | <5 |
| SVE-8 | 01/24/01 | 012401-SVE8 | 11.49' | <5 | **160** | <5 |
| SVE-9 | 09/19/00 | 91900-GW6 | 12.09' | <5 | **13** | <5 |
| MW-1 | 01/24/01 | 012401-MW1 | 11.93' | <5 | **160** | <5 |
| MW-2 | 01/24/01 | 012401-MW2 | 12.39' | <5 | <5 | <5 |
| MW-3 | 01/24/01 | 012401-MW3 | 11.71' | <5 | **40** | <5 |
| MW-4 | 01/24/01 | 012401-MW4 | 11.20' | <5 | **69** | <5 |

SVE = Soil Vapor Extraction Point
MW = Monitoring Well
MTCA = Model Toxics Control Act
CLARC II = Cleanup Levels and Risk Calculations
ug/l = micrograms per liter or parts per billion (ppb)

Clayton GROUP SERVICES

# ATTACHMENT D

# LABORATORY ANALYTICAL REPORTS

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 1
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S1 1/19/01 1040

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/KG | | 1/25/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | 42**** | UG/KG | | 1/25/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| TOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 1
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S1 1/19/01 1040

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<20) | UG/KG | | 1/25/01 | RAL |
| STYRENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 1
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S1 1/19/01 1040

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

**** RESULT DUE TO LABORATORY CONTAMINATION

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 2
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S2 1/19/01 1700

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/KG | | 1/24/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | 32**** | UG/KG | | 1/24/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<50) | UG/KG | | 1/24/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<50) | UG/KG | | 1/24/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<50) | UG/KG | | 1/24/01 | RAL |
| TOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<50) | UG/KG | | 1/24/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 2
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S2 1/19/01 1700

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<20) | UG/KG | | 1/24/01 | RAL |
| STYRENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<50) | UG/KG | | 1/24/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/24/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 2
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S2 1/19/01 1700

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

**** RESULT DUE TO LABORATORY CONTAMINATION

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 3
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S3 1/19/01 1950

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/KG | | 1/25/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<20) | UG/KG | | 1/25/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| TOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 250 | UG/KG | | 1/25/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 3
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S3 1/19/01 1950

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<20) | UG/KG | | 1/25/01 | RAL |
| STYRENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<50) | UG/KG | | 1/25/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<10) | UG/KG | | 1/25/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080
CCIL SAMPLE #: 3
DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00
CLIENT SAMPLE ID: 011901-S3 1/19/01 1950

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON ENVIRONMENTAL
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/26/01
CCIL JOB #: 101080

DATE RECEIVED: 1/22/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00

## QUALITY CONTROL RESULTS

**SURROGATE RECOVERY**

| CCIL SAMPLE ID | ANALYTE | SUR ID | % RECV |
|---|---|---|---|
| 101080-01 | EPA-8260A | 1,2-DCE-d4 | 94 |
| 101080-01 | EPA-8260A | TOLUENE-d8 | 93 |
| 101080-01 | EPA-8260A | 4-BFB | 83 |
| 101080-02 | EPA-8260A | 1,2-DCE-d4 | 98 |
| 101080-02 | EPA-8260A | TOLUENE-d8 | 91 |
| 101080-02 | EPA-8260A | 4-BFB | 75 |
| 101080-03 | EPA-8260A | 1,2-DCE-d4 | 100 |
| 101080-03 | EPA-8260A | TOLUENE-d8 | 90 |
| 101080-03 | EPA-8260A | 4-BFB | 82 |

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI Analytical Laboratories, Inc.
3229 Pine Street
Everett, WA 98201
Phone (425) 252-2620
(206) 292-9059 Seattle
(425) 259-6289 Fax

# Chain Of Custody/ Laboratory Analysis Request

X1806

CCI Job# (Laboratory Use Only)

Date 01/22/01 Page 1 Of 1

PROJECT ID: 75-00319,00
REPORT TO COMPANY: CLAYTON GROUP SERVICES
PROJECT MANAGER: GREG FERRIS
ADDRESS: 4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134
PHONE: (206) 763-7364 FAX: (206) 763-4189
INVOICE TO COMPANY: AS ABOVE
ATTENTION:
ADDRESS:
P.O. NUMBER CCI QUOTE:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# |
|---|---|---|---|---|
| 1. 011901-S1 | 01/19/01 | 1040 | SOIL | |
| 2. 011901-S2 | 01/19/01 | 1700 | SOIL | |
| 3. 011901-S3 | 01/19/01 | 1950 | SOIL | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

ANALYSIS REQUESTED

| NWTPH-GX | BTEX | NWTPH-DX | NWTPH-HCID | EPA 8021 ☐ 602 ☐ | EPA 8010 ☐ 601 ☐ | EPA 8260 ☒ 624 ☐ | EPA 8270 ☐ 625 ☐ | EPA 8081/8082 ☐ 608 ☐ PCB only ☐ Pest only ☐ | Metals Priority Pollutant ☐ RCRA ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ✓ | | | | | |
| | | | | | | ✓ | | | | | |
| | | | | | | ✓ | | | | | |

OTHER (Specify)

| NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|
| 1 | |
| 1 | |
| 1 | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: GREG FERRIS/CLAYTON/01-22-01/
Received By:
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
☒ Standard 10 | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis
5 Standard | 3 | 1 | SAME DAY

OTHER:
Specify:

* Turnaround request less than standard may incur Rush Charges

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 1
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE2 1/24/01 0845

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/26/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/26/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/26/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | 20 | UG/L | | 1/26/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/26/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/26/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 2900 | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 1
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE2 1/24/01 0845

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/26/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/26/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/26/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 1
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE2 1/24/01 0845

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 2
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE3 1/24/01 0910

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 770 | UG/L | | 1/26/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 2
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE3 1/24/01 0910

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/29/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 2
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE3 1/24/01 0910

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: CVM



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 3
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE8 1/24/01 0930

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 160 | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 3
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE8 1/24/01 0930

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/29/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 3
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-SVE8 1/24/01 0930

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 4
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW1 1/24/01 0950

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 160 | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 4
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW1 1/24/01 0950

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/29/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 4
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW1 1/24/01 0950

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 5
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW2 1/24/01 1010

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 5
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW2 1/24/01 1010

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/29/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 5
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW2 1/24/01 1010

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 6
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW3 1/24/01 1200

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 40 | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 6
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW3 1/24/01 1200

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/29/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 6
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW3 1/24/01 1200

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 7
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW4 1/24/01 1030

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DICHLORODIFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| VINYL CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROFLUOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACETONE | EPA-8260A | ND(<150) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| METHYLENE CHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ACRYLONITRILE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| METHYL T-BUTYL ETHER | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-BUTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| CIS-1,2-DICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CARBON TETRACHLORIDE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRICHLOROETHENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| DIBROMOMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMODICHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TRANS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-METHYL-2-PENTANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| TOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CIS-1,3-DICHLOROPROPENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2-TRICHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-HEXANONE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,3-DICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| TETRACHLOROETHYLENE | EPA-8260A | 69 | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 7
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW4 1/24/01 1030

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| DIBROMOCHLOROMETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMOETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| CHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,1,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| M+P XYLENE | EPA-8260A | ND(<10) | UG/L | | 1/29/01 | RAL |
| STYRENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| O-XYLENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOFORM | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| ISOPROPYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,1,2,2-TETRACHLOROETHANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROPROPANE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| BROMOBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-PROPYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 2-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3,5-TRIMETHYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 4-CHLOROTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| T-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRIMETHYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| S-BUTYL BENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| P-ISOPROPYLTOLUENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,3 DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,4-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| N-BUTYLBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2-DIBROMO 3-CHLOROPROPANE | EPA-8260A | ND(<25) | UG/L | | 1/29/01 | RAL |
| 1,2,4-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| HEXACHLORO1,3-BUTADIENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| NAPHTHALENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |
| 1,2,3-TRICHLOROBENZENE | EPA-8260A | ND(<5) | UG/L | | 1/29/01 | RAL |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095
CCIL SAMPLE #: 7
DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC
CLIENT SAMPLE ID: 012401-MW4 1/24/01 1030

## DATA RESULTS

| ANALYTE | METHOD | RESULTS* | UNITS** | ACTION LEVEL*** | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095

DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC

## QUALITY CONTROL RESULTS

**SURROGATE RECOVERY**

| CCIL SAMPLE ID | ANALYTE | SUR ID | % RECV |
|---|---|---|---|
| 101095-01 | EPA-8260A | 1,2-DCE-d4 | 100 |
| 101095-01 | EPA-8260A | TOLUENE-d8 | 96 |
| 101095-01 | EPA-8260A | 4-BFB | 94 |
| 101095-01 TETRACHLOROETHYLENE ONLY | EPA-8260A | 1,2-DCE-d4 | 86 |
| 101095-01 TETRACHLOROETHYLENE ONLY | EPA-8260A | TOLUENE-d8 | 90 |
| 101095-01 TETRACHLOROETHYLENE ONLY | EPA-8260A | 4-BFB | 89 |
| 101095-02 | EPA-8260A | 1,2-DCE-d4 | 89 |
| 101095-02 | EPA-8260A | TOLUENE-d8 | 93 |
| 101095-02 | EPA-8260A | 4-BFB | 94 |
| 101095-02 TETRACHLOROETHYLENE ONLY | EPA-8260A | 1,2-DCE-d4 | 105 |
| 101095-02 TETRACHLOROETHYLENE ONLY | EPA-8260A | TOLUENE-d8 | 98 |
| 101095-02 TETRACHLOROETHYLENE ONLY | EPA-8260A | 4-BFB | 95 |
| 101095-03 | EPA-8260A | 1,2-DCE-d4 | 85 |
| 101095-03 | EPA-8260A | TOLUENE-d8 | 94 |
| 101095-03 | EPA-8260A | 4-BFB | 90 |
| 101095-04 | EPA-8260A | 1,2-DCE-d4 | 84 |
| 101095-04 | EPA-8260A | TOLUENE-d8 | 95 |
| 101095-04 | EPA-8260A | 4-BFB | 92 |
| 101095-05 | EPA-8260A | 1,2-DCE-d4 | 81 |
| 101095-05 | EPA-8260A | TOLUENE-d8 | 97 |
| 101095-05 | EPA-8260A | 4-BFB | 88 |



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

## CERTIFICATE OF ANALYSIS

CLIENT: CLAYTON GROUP SERVICES
4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134

DATE: 1/30/01
CCIL JOB #: 101095

DATE RECEIVED: 1/24/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: GREG FERRIS

CLIENT PROJECT ID: 75-00319.00 UBOC

## QUALITY CONTROL RESULTS

**SURROGATE RECOVERY**

| CCIL SAMPLE ID | ANALYTE | SUR ID | % RECV |
|---|---|---|---|
| 101095-06 | EPA-8260A | 1,2-DCE-d4 | 82 |
| 101095-06 | EPA-8260A | TOLUENE-d8 | 90 |
| 101095-06 | EPA-8260A | 4-BFB | 89 |
| 101095-07 | EPA-8260A | 1,2-DCE-d4 | 98 |
| 101095-07 | EPA-8260A | TOLUENE-d8 | 96 |
| 101095-07 | EPA-8260A | 4-BFB | 89 |

APPROVED BY: _____



3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

CCI Analytical Laboratories, Inc.
3229 Pine Street
Everett, WA 98201
Phone (425) 252-2620
(206) 292-9059 Seattle
(425) 259-6289 Fax

# Chain Of Custody/ Laboratory Analysis Request

X1816

CCI Job# (Laboratory Use Only)

Date 01-24-01 Page 1 Of 1

PROJECT ID: 75-00319.00 UBOC
REPORT TO COMPANY: CLAYTON GROUP SERVICES
PROJECT MANAGER: GREG FERRIS
ADDRESS: 4636 E. MARGINAL WAY S. #215
SEATTLE, WA 98134
PHONE: (206) 763-7364 FAX: (206) 763-4189
INVOICE TO COMPANY: AS ABOVE
ATTENTION:
ADDRESS:
P.O. NUMBER CCI QUOTE:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-GX | BTEX | NWTPH-DX | NWTPH-HCID | EPA 8021 ☐ 602 ☐ | EPA 8010 ☐ 601 ☐ | EPA 8260 ☒ 624 ☐ | EPA 8270 ☐ 625 ☐ | EPA 8081/8082 ☐ 608 ☐ PCB only ☐ Pest only ☐ | Metals Priority Pollutant ☐ RCRA ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 012401-SVE2 | 01/24/01 | 0845 | WATER | | | | | | | | ✓ | | | | | | | 2 | |
| 2. 012401-SVE3 | | 0910 | | | | | | | | | ✓ | | | | | | | 2 | |
| 3. 012401-SVE 8 | | 0930 | | | | | | | | | ✓ | | | | | | | 2 | |
| 4. 012401-MW1 | | 0950 | | | | | | | | | ✓ | | | | | | | 2 | |
| 5. 012401-MW2 | | 1010 | | | | | | | | | ✓ | | | | | | | 2 | |
| 6. 012401-MW3 | | 1200 | | | | | | | | | ✓ | | | | | | | 2 | |
| 7. 012401-MW4 | | 1030 | | | | | | | | | ✓ | | | | | | | 2 | |
| 8. | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: Greg Ferris/ Clayton/ 01-25-01
Received By:
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
☒ Standard ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Fuels & Hydrocarbon Analysis
☐ 5 Standard ☐ 3 ☐ 1 ☐ SAME DAY

OTHER:
Specify:

* Turnaround request less than standard may incur Rush Charges