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SUPPLEMENTAL PHASE II SITE INVESTIGATION

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

OCTOBER 2001

Prepared for:

BOYLAN, BROWN, CODE, VIGDOR & WILSON, LLP
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October 23, 2001

Chip Russell, Esq.
Boylan, Brown, Code, Vigdor & Wilson, LLP
2400 Chase Square
Rochester, New York 14604

RE: Supplemental Phase II Site Investigation **16366.02**
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

Dear Chip:

Pursuant to our contractual agreement, please find enclosed Sear-Brown's Supplemental Phase II Site Investigation Report for the former Brainerd Manufacturing facility, located at 115 North Washington Street in the Village of East Rochester, Monroe County, New York (subject property). The report presents the results of the subsurface scope of work conducted at the subject property by Sear-Brown during August 2001. All the information contained herein is true to the best of our knowledge and can be relied upon by Boylan, Brown, Code, Vigdor & Wilson, LLP.

Should you have any questions or require further information, please do not hesitate to call.

Sincerely,

Michael P. Storonsky
Senior Associate

Enclosure

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TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

Appendices

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1.0 Introduction

This report presents the findings of a Supplemental Subsurface Site Investigation performed during August 2001 at the former Brainerd Manufacturing facility located in the Village of East Rochester, New York (Figure 1).

1.1 Previous Investigation Findings

In April and May 2001, Sear-Brown conducted a Supplemental Subsurface Site Investigation of the former Brainerd Manufacturing facility. The April-May 2001 investigation involved drilling of a series of shallow soil cores through the floor of the building and installation of three monitoring wells near the southeastern corner of the property. The results of the supplemental investigation indicated the presence of chlorinated volatile organic compounds in soil and groundwater beneath the southern and southeastern portion of the subject property at concentrations above the NYSDEC standards and guidance values. Concentration gradients suggested a source area beneath the old electroplating line room. The trends also suggested preferred migration pathways for the contaminants to the east and west. The controlling mechanisms for the apparent broadening of impacts in the east-west direction were thought to be the size and shape of the original release areas, building features such as floor drains and foundation attributes and/or heterogeneities in the native sandy soil deposits. Review of historic utility maps for the site vicinity indicated that a stormwater collection system containing a series of catch basins formerly existed along the south side of the building (northern side of Monroe Street). This stormwater system may have provided a preferred easterly flow direction for contaminants mobilized through the vadose zone (i.e., the zone of unsaturated soil situated above the water table).

Based upon regional aquifer maps, the local groundwater flow direction is generally to the north along the preglacial Irondogenesee Valley (presently Irondequoit Creek). Site-specific water level data collected during the April-May 2001 investigation were consistent with this northerly regional groundwater flow direction.

The analytical results from the April-May 2001 subsurface investigation activities performed at the former Brainerd Manufacturing facility by Sear-Brown also indicated the presence of industrial-related metals in the flooring and underlying sub-floor soils at concentrations above the NYSDEC soil guidance values. Cyanide was also detected at relatively low levels in the flooring and sub-floor soils. Impacts to groundwater from industrial metals and cyanide appeared to be minimal, however.

1.2 Investigation Goals

Following the April-May 2001 field program, Sear-Brown recommended the further delineation of subsurface impacts at the subject property through the following investigative tasks:

- a floor drain investigation to determine the possible point source(s) of solvent-related contaminants and industrial metals. Trench drains are located in the former maintenance and assembly rooms. These drains may have served as primary pathways for contaminant migration to the subfloor soils and groundwater;

- an additional shallow soil coring and analytical program to further define the contaminant plume geometry in soil. Additional soil cores were to be drilled primarily in the vicinity of the previous soil coring locations exhibiting the greatest impacts and along the floor drain systems suspected to be source areas;

- additional monitoring well installations and groundwater analyses to more broadly define the site-specific groundwater flow directions beneath a larger portion of the site and to further define the extent of impacted groundwaters beneath the building footprint; and

- physical hydrogeologic testing at the site to derive estimates of soil permeability in order to determine the groundwater and contaminant migration rates.

2.0 Field Program

Sear-Brown conducted an additional phase of Supplemental Phase II site investigation at the subject property in August 2001 to complete the investigative tasks outlined in Section 1.2 of this report. The methods and results of the investigative tasks are described in the following sections and are integrated with previous data to provide as complete an understanding of site conditions as the collective data sets afford.

2.1 Floor Drain Test

On August 1, 2001, a floor drain test was conducted on the trench drain in the maintenance room, where the most elevated contaminant levels (in soil core GP-103) had been previously detected (Figure 2). Potable water from the facility was introduced into the floor drain in the maintenance room and observed to discharge directly into the 3 ft. x 3 ft. x 3 ft. concrete pit in the water treatment room. There appeared to be no outlet from the concrete pit. Apparatus on the wall including centifugal pump frames and PVC piping indicated that effluent was pumped from the pit and into secondary containment vessels that are no longer present in the building.

2.2 Shallow Soil Coring and Analytical Program

On August 1, 2001, twelve (12) additional soil corings were advanced within the former Brainerd Manufacturing building. Soil corings SC-6 through SC-17 were conducted in the vicinity of the former GP-103 location and the floor drain system. The locations of the interior soil corings are presented in Figure 2.

In order to investigate the soils beneath the concrete floor slab, a portable, dolly-mounted drill, fitted with a water-cooled concrete corer, was used to cut a four-inch diameter hole in the floor at each of the designated coring locations. Once the subslab soil was reached, an electric jackhammer and Geoprobe® direct-push sampling equipment were used to obtain continuous soil cores. The soil coring activities were conducted by MARCOR Remediation, Inc. (MARCOR) of Rochester, New York, under the observation of a Sear-Brown geologist.

The Geoprobe® soil sampling equipment was decontaminated prior to use and between sampling locations using an Alconox and potable water wash followed by a potable water rinse. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface was not permitted. Decontamination water was contained and stored on site in a secured 55-gallon drum for future characterization, transportation and disposal.

Following completion of the test corings, drill cuttings were returned to each hole. The holes were then backfilled with a cement mixture to floor grade.

Soil samples were visually logged for color, moisture content and texture and screened for organic vapors at each of the interior soil coring locations. One specific goal was to further delineate the horizontal and vertical extent of a blackened soil layer that contained elevated levels of solvent-related volatile organic compounds (VOCs) and industrial metals in GP-103. Each soil sample was screened for the presence of volatile organic vapors using a calibrated HNu photoionization detector (PID). Specifically, portions of the core samples were collected and placed in individual sealed containers. The volatile organic vapors that accumulated within the headspace of the containers were screened for volatile organic vapors using the PID. Soil samples were also visually evaluated for indications of staining, oils, fill, etc. PID readings are presented in Table 1. Boring logs are included in Appendix A.

Soil corings were advanced to 4 feet below floor grade. In general, the shallow soil stratigraphy consisted of a fine brown and gray to black sandy fill layer overlying native brown silty fine sand. The fill layer was generally 3.5 feet thick. Given initially high PID readings along the path of the floor drain, additional borings were drilled to further delineate the extent of soil contamination (see Figure 2). Blackened fill layers were encountered in SC-7, SC-8, SC-11, SC-13, SC-14 and SC-16. High headspace readings did not correlate directly to the degree of staining, however. Elevated PID headspace measurements for all samples ranged from 6.1 ppm (SC-17) to 175 ppm (at SC-7). Staining and elevated PID measurements were generally noted to sharply decrease with depth in underlying native sands.

Based upon field screening, a total of eighteen (18) soil samples were selected from the shallow soil borings for laboratory analysis. A summary of samples submitted for laboratory analysis is presented in Table 2. The samples were submitted to Paradigm Environmental Services, Inc. (Paradigm) of Rochester, New York, a New York State Department of Health (NYS DOH) certified laboratory, for the following analyses:

- United States Environmental Protection Agency (EPA) Target Compound List (TCL) VOCs using EPA Method 8260; and
- total concentrations of chromium, copper, nickel, zinc and total cyanide, by various EPA methods.

2.3 Soil Boring and Analytical Program

Two deeper subsurface soil borings were advanced to a depth below the water table within the former Brainerd Manufacturing building to further define groundwater flow directions and the extent of impacts to both soil and groundwater to the north. One boring (MW-4) was located in the warehouse area near the midpoint of the north wall. The second soil boring (MW-5) was located near the northwest corner of the assembly room. The MW-5 location is generally downgradient of the former water treatment room. The locations of the new soil borings are presented in Figure 2.

The two interior soil borings were drilled using hollow stem augers and a propane-powered skid mounted drill rig with low clearance capabilities. Soil boring activities were conducted by Nothnagle Drilling Services (Nothnagle) of Scottsville, New York, under the observation of a Sear-Brown geologist. The downhole drilling equipment was steam-cleaned between boring locations. Soil sampling equipment was decontaminated between sampling locations using an Alconox detergent and potable water wash followed by a potable water rinse. Direct contact between the equipment and the ground surface was not permitted during and after the cleaning process. Auger cuttings and decontamination water were contained and stored on site in secured 55-gallon drums for future characterization, transportation and disposal.

In general, soil samples were collected continuously at each of the soil boring locations using a two-inch diameter, two-foot long, split-spoon sampler. Each soil sample was screened for the presence of volatile organic vapors using a calibrated PID. Specifically, portions of the core samples were collected and placed in individual, sealed containers. The containers were then screened for volatile organic vapors using the PID. The PID readings are summarized in Table 1. Soil samples were also visually evaluated for indications of staining, oils, fill, etc. Boring logs for MW-4 and MW-5 are also included in Appendix A.

Monitoring wells MW-4 and MW-5 were designed to straddle the water table. Therefore, the most easterly exterior boring, MW-4, was drilled to a depth 28 feet below grade. The MW-5 boring was drilled to a depth 30 feet below grade. Very uniform, brown, silty fine sand was observed in each of the borings. These native sands extend from 3 to 4 ft. below the concrete floor to the depth of the borings. The top 3 to 4 feet of soils consisted of fill comprised of reworked native material with some gravel. The blackened zone observed at some soil coring locations further south was not observed in borings MW-4 and MW-5.

Two soil samples were selected from each of the deep subsurface borings for laboratory analysis. One sample was selected from the fill zone immediately beneath the concrete floor, and the second soil sample was selected from the approximate depth of the water table. The samples were submitted to Paradigm for analysis of VOCs by USEPA TCL using EPA Method 8260 and total analysis of chromium, copper, nickel, zinc and total cyanide by various EPA methods.

A summary of soil samples submitted for laboratory analysis is presented in Table 2.

2.3 Well Installation and Analytical Program

To further evaluate the magnitude and northward extent of previously identified impacts to groundwater, borings MW-4 and MW-5 were completed with monitoring wells. Each groundwater monitoring well was constructed of two-inch diameter, Schedule-40 PVC riser and 0.010-inch slot well screens. Ten-foot well screens were installed such that they straddle the water table. Sand packs were placed in the borehole annulus extending six

inches (6") below and approximately two feet (2') above the well screens. In each well, the sand pack was capped with a bentonite seal and the remaining annulus was grouted to the surface. The wells were completed with locking caps and flush-mounted roadboxes. Well construction details for new and existing wells are summarized in Table 3. Well details are also listed on the individual boring logs and well design logs contained in Appendix A.

After allowing the bentonite seals to expand, the monitoring wells were developed utilizing dedicated bailers. The wells were developed in an effort to remove sediment from each well and to facilitate groundwater flow through the screened interval from the adjacent aquifer. Evacuated water was contained and stored on site in secured 55-gallon drums for future characterization, transportation and disposal.

The two new wells and the three existing wells were sampled on August 21, 2001. Prior to sampling, water level measurements were obtained from each of the five wells for subsequent evaluation of groundwater flow direction. To obtain representative formation water, each of the monitoring wells were purged of a minimum of three well volumes with a dedicated, disposable bailer and until consecutive pH, specific conductance, and temperature readings of the evacuated water were within 10 percent. Water level measurements and well purging data are summarized in Table 4 and Table 5, respectively.

One groundwater sample was collected from each of the five on-site monitoring wells. The groundwater samples were submitted to Paradigm and analyzed for USEPA TCL VOCs using EPA Method 8260 and chromium, copper, nickel, zinc and total cyanide by various EPA methods. A trip blank was also analyzed for TCL VOCs for QA/QC purposes. A groundwater sample summary is provided in Table 6.

3.0 Supplemental Subsurface Site Investigation Results

3.1 Hydrogeology

Groundwater Flow Direction

Water level data from the five on-site monitoring wells were collected on August 21 and 28, 2001 (see Table 4). These data generally indicate a depth to water of 19 to 24 ft. bgs. These data are believed to represent late summer seasonal low water table conditions. During the spring high water table condition, water levels may be expected to rise as much as three feet. A water-table contour plot based upon the available water level data indicates that groundwater generally flows in a north-northwesterly direction (Figure 3). This site-specific flow direction is toward the axis of the Irondogenesee Valley (Irondequoit Creek) and is generally consistent with the direction depicted on regional aquifer maps.

Hydraulic Conductivity

The hydraulic conductivity of the sandy glacial deposits has been estimated using slug testing and grain-size distributions. The grain-size method utilized is the Hazen method.

In-situ hydraulic conductivity tests were performed at all on-site monitoring wells using both the rising head and falling head methods. The falling head test data were considered more reliable than the rising head data (i.e., not affected by sandpack gravity drainage) and were, therefore, used to calculate hydraulic conductivity values using the Hvorslev method.

Sear-Brown used AQTESOLV software to generate plots and calculations of hydraulic conductivity. Resultant hydraulic conductivity values are summarized in Table 7. AQTESOLV plots and calculations are provided in Appendix B.

The hydraulic conductivity of the fine sand samples were also estimated based upon grain-size distributions using the Hazen Method. Typical native sand deposits from the 24 to 26 ft. bgs interval from borings MW-4 and MW-5 were submitted for grain-size analyses. The geotechnical laboratory report is presented in Appendix B. The Hazen method, which is based upon the effective grain size or d_{10} on particle distribution plots, yielded hydraulic conductivity values of 1.04×10^{-3} cm/s and 6.00×10^{-4} cm/s (see Table 7). The geometric mean of these values derived from the Hazen Method is 7.9×10^{-4} cm/s, a value that is consistent with the permeability estimates for well-sorted fine sands and is also a value consistent with the slug tests performed on the monitoring wells.

Using the available water level, the average hydraulic conductivity and an average porosity of the on-site soils, an estimated average linear velocity for groundwater flow can be calculated. The equation for the linear velocity is:

$$V = \frac{Ki}{n_e}$$

where K= hydraulic conductivity
i= hydraulic gradient
and n_e= effective porosity

Based upon the Hazen method calculations, the mean hydraulic conductivity value of the native sand deposits is 7.9×10^{-4} cm/s. Based upon the water level data from August 28, 2001, the hydraulic gradient (i.e. the slope of the water table) is 0.009 ft/ft as measured between wells MW-3 and MW-4. Using representative porosity value of 30 percent, an estimated linear velocity of 2.3×10^{-5} cm/s is calculated. This value equates to a groundwater flow velocity of roughly 24 feet per year.

3.2 *Analytical Results*

Based upon field observations and known contaminants of concern, Sear-Brown selected and submitted soil and groundwater samples for laboratory analyses as part of the August 2001 Supplemental Phase II Site Investigation Program. Laboratory analytical results for the submitted soil samples were tabulated and compared to New York State Department of Environmental Conservation (NYSDEC) Division of Technical and Administrative Guidance Memorandum (TAGM 4046) Recommended Soil Cleanup Objectives (January 1994, revised December 2000) and Eastern USA background ranges. Laboratory analytical results for the groundwater samples were compared to NYS DEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values (re-issued in June 1998). Soil and groundwater analytical results from the previous subsurface investigation are not included in the comparative tables. However, the previous data have been used in various contour plots depicting concentration gradients for various contaminants of concern in order to provide as complete an evaluation of environmental conditions beneath the site as the available data affords.

3.2.1 *Soil Analytical Results*

3.2.1.1 Volatile Organic Compounds

The volatile organic compounds detected in soil samples collected from the shallow soil cores and the auger borings are summarized in Table 8. The August 2001 soil analytical results indicate concentrations of tetrachloroethene and/or trichloroethene in 17 of the 22 soil samples submitted from the interior shallow soil coring and deeper auger boring locations. Concentrations of tetrachloroethene (PCE) exceeded the NYS DEC Recommended Soil Cleanup Objective of 1,400 ppb at seven soil sample locations: SC-7, SC-8, SC-10, SC-11, SC-13, SC-14 and SC-16

(2 depths). PCE concentrations at these locations ranged from 2,600 to 20,600 ug/kg. At those locations where two samples were collected to evaluate the vertical extent of impacts, the elevated concentrations of PCE were underlain by notably lower concentrations except at SC-16.

Concentrations of trichloroethene (TCE) exceeded the NYS DEC Recommended Soil Cleanup Objective of 700 ppb in soil samples from eight locations (the same 7 locations as PCE plus SC-17). Detectable concentrations of TCE in soil ranged from 1,400 to 8,740 ug/kg. The August 2001 analytical results for the four submitted deep soil boring samples (MW-4 and MW-5) indicated no contravention of the NYSDEC Recommended Soil Cleanup Objectives for VOCs detected farther south. Thus, the source area for VOCs in soils appears to be limited to the southern half of the building footprint.

Figures 4 and 5 present contour plots that illustrate the lateral trends in reported concentrations of PCE and TCE in soil samples analyzed to date. As stated previously, the contour plots in Figures 4 and 5 are based in part, on data from the April-May 2001 subsurface investigation. The resultant concentration gradients for both PCE and TCE indicate a probable source area in the vicinity of the floor drain system, Buffing Line, and the Clair Room.

3.2.1.2 Inorganic Elements and Compounds

The detected inorganic elements and compounds reported from the August 2001 soil sampling program are summarized in Table 9. Contour plots of chromium, copper, nickel and zinc concentrations in soil are presented in Figures 6, 7, 8 and 9, respectively. Cyanide was not plotted because it was detected only at two locations and at very low concentrations (see Table 9).

The August 2001 soil analytical results indicate chromium, copper, nickel and zinc in soil samples at concentrations in excess of the NYSDEC Recommended Soil Cleanup Objectives. Chromium concentrations were reported above the Soil Cleanup Objective of 50 ppm in samples from SC-6, SC-11 and SC-17. Copper was reported at concentrations above the soil cleanup objective and the Eastern USA background range in 15 samples. Nickel concentrations were reported above the soil cleanup objective and the 25 ppm upper limit of the Eastern USA Background range in nine samples. Zinc concentrations were reported above their respective soil clean-up objective and the 50 ppm upper limit for the Eastern USA Background range in 16 soil samples.

The August 2001 analytical results for the four submitted deep soil boring samples (MW-4 and MW-5) indicate no contravention of the NYS DEC

Recommended Soil Cleanup Objectives for detected inorganic compounds. Thus the source area for elevated metals in soils appears to be limited to the southern half of the building footprint.

3.2.2 Groundwater Analytical Results

3.2.2.1 Volatile Organic Compounds

The laboratory-reported concentrations of detected volatile organic compounds from the August 2001 groundwater sampling program are summarized in Table 10. A contour plot of the total concentration of chlorinated compounds in groundwater is presented in Figure 10. In addition, an overlay of the groundwater plume on an aerial photo is presented in Figure 11.

The August 2001 analytical results indicate that chlorinated volatile organic compounds were detected in groundwater from MW-2, MW-3, MW-4 and MW-5 at concentrations in excess of the NYS DEC Groundwater Standards. The highest concentration of tetrachloroethene (PCE) was detected in the MW-5 groundwater sample (1,200 ug/l). The groundwater standard for PCE is 5 ug/l. In addition, trichloroethene (TCE) was also detected in groundwater samples from MW-2, MW-3, MW-4 and MW-5 at concentrations exceeding the NYS DEC Groundwater Standard of 5 ppb. The highest concentration of TCE was detected in MW-5 (1,100 ppb). MW-5 is believed to be downgradient from the suspected source area.

Figure 10 presents a contour plot that illustrates the trends in total concentrations of chlorinated volatile organic compounds detected within groundwater samples submitted from the wells MW-2, MW-3, MW-4 and MW-5. In addition, previous data from MW-201 and MW-203 were used to constrain the east–west dimension of the plume. Given the north-northwesterly groundwater flow direction (see Figure 3) and the elevated concentrations of chlorinated solvents in MW-5, the axis of the groundwater plume appears to be oriented along the water treatment room, floor drain system and former degreasing areas.

Figure 11 depicts the chlorinated plume in groundwater overlain on an aerial photo of the facility and the immediate area surrounding the facility. Given that the highest chlorinated concentrations in groundwater exist at northern property boundary, it is likely that off-site migration of VOCs in groundwater has occurred.

3.2.2.2 Inorganic Compounds

Analytical results for inorganic compounds in groundwater are presented in Table 10. Based upon the results from the August 2001 groundwater sampling program, zinc was detected in each groundwater sample but at concentrations well below groundwater standards. However, chromium was present in one sample, MW-5, at 145 ug/l. The groundwater standard for chromium is 50 ug/l.

4.0 Conclusions

Sear-Brown conducted a Supplemental Phase II Site Investigation at the subject property in August 2001. This program built upon the findings of earlier phases of investigation and included floor drain dye testing, shallow interior soil coring, soil sampling, interior monitoring well installations and groundwater sampling and analyses.

The August 2001 soil analytical results indicate concentrations of tetrachloroethene (PCE) exceeded the NYS DEC Recommended Soil Cleanup Objective of 1,400 ppb at seven shallow soil sample locations: SC-7, SC-8, SC-10, SC-11, SC-13, SC-14 and SC-16 (2 depths). PCE concentrations at these locations ranged from 2,600 to 20,600 ug/kg. At those locations where two samples were collected to evaluate the vertical extent of impacts, the elevated concentrations of PCE were underlain by notably lower concentrations except at SC-16. Concentrations of trichloroethene exceeded the NYS DEC Recommended Soil Cleanup Objective of 700 ppb in soil samples from eight locations (the same seven locations as PCE plus SC-17). Detectable concentrations ranged from 1400 to 8,740 ug/kg. Contour plots of PCE and TCE in soil indicate a source area in the vicinity of the floor drain system, Buffing Line and the Clair Room.

The August 2001 soil analytical results indicate chromium, copper, nickel and zinc in soil samples at concentrations in excess of the NYSDEC Recommended Soil Cleanup Objectives. Chromium concentrations were reported above the Soil Cleanup Objective of 50 ppm in samples from SC-6, SC-11 and SC-17. Copper was reported at concentrations above the soil cleanup objective and the Eastern USA background range in 15 samples. Nickel concentrations were reported above the soil cleanup objective and the 25 ppm upper limit of the Eastern USA Background range in nine samples. Zinc concentrations were reported above their respective soil clean-up objective and the 50 ppm upper limit for the Eastern USA Background range in 16 soil samples.

The August 2001 analytical results indicate that chlorinated volatile organic compounds (PCE and TCE) were detected in groundwater from wells MW-2, MW-3, MW-4 and MW-5 at concentrations in excess of the NYS DEC Groundwater Standards. The highest concentration of PCE was detected in MW-5 (1,200 ug/l). The highest concentration of TCE was 1,100 ppb also in MW-5. One inorganic compound, chromium, was reported above its respective groundwater standard. Chromium was reported at 145 ppb also in MW-5. MW-5 is believed to be downgradient from the suspected source area.

The trends in total concentrations of chlorinated volatile organic compounds detected in groundwater indicate that the plume appears to be oriented along the water treatment room, floor drain system and former degreasing areas. Given that the highest chlorinated concentrations in groundwater exist at northern property boundary, it is likely that off-site migration has occurred.

TABLE 1
SUMMARY OF PID HEADSPACE READINGS (ppm)
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

BOREHOLE	DEPTH (ft BGS)	PEAK (ppm)	PID READINGS SUSTAINED (ppm)	BACKGROUND (ppm)
SC-6	1.2-2.8	10.9	6.5	0.5
	2.8-4.0	1.7	1	0.5
SC-7	0.5-2.4	12.5	1.6	0.4
	2.8-3.4	175.0	51	0.4
	3.4-4.0	22.0	2.5	0.5
SC-8	2.0-2.8	73.0	32	0.5
	3.5-4.0	29.0	6.5	0.5
SC-9	2.5-3.0	71.0	16.8	0.5
	3.5-4.0	37.0	6.3	0.5
SC-10	2.0-2.8	73	16	0.5
	3.5-4.0	42.0	34	0.5
SC-11	0.4-3.5	39	15	0.5
	3.5-4.0	6.8	2	0.5
SC-12	0.4-2.5	9.6	6.5	0.5
	2.5-4.0	6.5	2.7	0.5
SC-13	2.0-2.5	132.0	47	0.5
	2.5-4.0	34.0	11.3	0.5
SC-14	0.5-3.0	68.0	23	0.5
	3.0-4.0	11.7	3.7	0.5
SC-15	0.6-3.5	1.0	0.8	0.5
	3.5-4.0	0.6	0.5	0.4
SC-16	0.5-3.0	144.0	50	0.4
	3.0-4.0	13.0	2.3	0.4
SC-17	0.5-3.0	6.1	5.8	2.8
	3.0-4.0	3.1	3.1	2.8

TABLE 1
SUMMARY OF PID HEADSPACE READINGS (ppm)

Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

BOREHOLE	DEPTH (ft BGS)	PEAK (ppm)	PID READINGS SUSTAINED (ppm)	BACKGROUND (ppm)
MW-4				
S-1	0-2.0	1.0	0.7	0.5
S-3	4.0-6.0	0.8	0.7	0.5
S-4	6.0-8.0	0.7	0.6	0.5
S-5	8.0-10.0	0.6	0.6	0.5
S-6	10.0-12.0	1.0	0.8	0.5
S-7	12.0-14.0	1.4	0.9	0.5
S-8	14.0-16.0	1.7	0.9	0.5
S-9	16.0-18.0	1.3	1.0	0.5
S-10	18.0-20.0	2.0	1.3	0.5
S-11	20.0-22.0	1.7	1.2	0.5
S-12	22.0-24.0	4.5	2.3	0.5
S-13	24.0-26.0	2.3	1.0	0.5
S-14	26.0-28.0	2.3	1.4	0.5
MW-5				
S-1	0.5-2.0	1.3	1.1	0.5
S-2	2.0-4.0	1.6	0.9	0.5
S-3	4.0-6.0	0.9	0.7	0.5
S-4	6.0-8.0	0.7	0.7	0.5
S-5	8.0-10.0	1.2	1.1	0.5
S-6	10.0-12.0	1.5	1.1	0.5
S-7	12.0-14.0	2.2	1.8	0.5
S-8	14.0-16.0	2.2	1.6	0.5
S-9	16.0-18.0	1.8	1.4	0.5
S-10	18.0-20.0	1.9	1.6	0.5
S-11	20.0-22.0	3.4	1.9	0.5
S-12	22.0-24.0	7.8	4.2	0.5
S-13	24.0-26.0	5	4.4	0.5
S-14	26.0-28.0	5.5	3.7	0.5

TABLE 2
SOIL SAMPLE SUMMARY
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

Sample ID	Sample Depth	Date	Parameters
SC-6	1.2-2.8	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-6	2.8-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-7	2.4-2.8	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-7	3.4-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-8	2.0-2.8	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-8	3.5-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-9	2.5-3.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-9	3.5-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-10	2.0-2.8	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-10	3.5-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-11	2.5-3.2	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-12	1.0-2.5	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-13	2.0-2.5	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-13	3.5-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-14	2.0-3.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide

TABLE 2
SOIL SAMPLE SUMMARY
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

Sample ID	Sample Depth	Date	Parameters
SC-16	2.0-2.5	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-16	3.5-4.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
SC-17	0.5-3.0	8/1/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-4	0.5-1.7	8/15/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-4	20.0-22.0	8/15/2001	Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-4	22.0-24.0	8/15/2001	VOCs by EPA Method 8260
MW-5	0.5-2.0	8/16/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-5	22.0-24.0	8/16/2001	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide

TABLE 3
WELL COMPLETION SUMMARY
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, NY

WELL DESIGNATION	REFERENCE ELEVATION (assumed datum)	GROUND ELEVATION (assumed datum)	BENTONITE SEAL ft BGS	SANDPACK INTERVAL ft BGS	SCREENED INTERVAL ft BGS	TOTAL DEPTH ft BGS
Existing Wells						
MW-1	101.42	102.0	51.0 - 53.5	53.5 - 71.8	56.8 - 71.8	71.8
MW-2	103.26	103.7	15.3 - 17.9	17.9 - 35.0	20.0 - 35.0	35.0
MW-3	97.98	98.5	10.0 - 13.0	13.0 - 30.0	15.0 - 30.0	30.0
New Wells						
MW-4	101.33	101.8	12.0 - 15.5	15.5 - 28.0	17.5 - 27.5	28.0
MW-5	101.26	101.7	14.9 - 17.3	17.3 - 30.0	19.5 - 29.5	30.0

Notes:
1. Reference elevation based upon an assumed datum of 100.00 ft.; chiseled "x" n'ly b. bolt on fire hyd.
2. ft. BGS = feet below ground surface.

TABLE 4
WATER LEVEL SUMMARY
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

WELL	REFERENCE ELEVATION	August 21, 2001		August 28, 2001	
		(ft btoc)	(Elevation)	(ft btoc)	(Elevation)
MW-1	101.42	22.72	78.70	22.65	78.77
MW-2	103.26	23.86	79.40	23.82	79.44
MW-3	97.98	19.10	78.88	19.00	78.98
MW-4	101.33	24.06	77.27	24.14	77.19
MW-5	101.26	24.01	77.25	24.03	77.23

Notes:
1. Reference elevation based upon an assumed datum of 100.00 ft.; chiseled "x" n'ly b. bolt on fire hyd.
2. Reference elevations located at top of 2-inch PVC well risers.
2. ft. btoc = feet below top of casing.

TABLE 5
WELL PURGING SUMMARY

Former Brainerd Manufacturing
115 North Washington Street
East Rochester, New York

Well	Date	Time	Well Volume	pH (su)	Conductivity (umhos/cm)	Temperature (°C)	Turbidity	ORP
MW-1	8/21/2001	13:08	1	7.28	1,128.0	13.4	19.50	-4.0
		13:54	2	7.13	1,138.0	14.8	13.16	-32.0
		14:15	3	7.34	1,173.0	13.4	8.12	-48.0
MW-2	8/21/2001	12:25	1	7.55	2,045.0	13.2	>200	176.0
		12:31	2	7.41	1,844.0	12.7	>200	180.0
		12:40	3	7.44	2,132.0	13.4	>200	196.0
MW-3	8/21/2001	11:36	1	7.36	3,208.0	14.1	>200	179.0
		11:45	2	7.46	3,338.0	15.0	>200	176.0
		12:01	3	7.79	3,248.0	14.8	>200	182.0
MW-4	8/21/2001	9:54	1	6.71	4,341.0	15.5	>200	131.0
		10:00	2	6.76	4,212.0	14.8	>200	123.0
		10:05	3	6.86	4,177.0	14.8	>200	136.0
		10:10	4	7.09	4,176.0	14.8	>200	211.0
		10:14	5	7.03	4,169.0	14.5	>200	216.0
MW-5	8/21/2001	10:36	1	6.87	2,817.0	14.7	>200	249.0
		10:44	2	7.22	2,714.0	14.5	>200	227.0
		10:49	3	7.15	2,939.0	14.4	>200	221.0
		10:57	4	7.18	2,736.0	14.5	>200	220.0
		11:02	5	6.82	2,910.0	14.5	>200	230.0

Notes:

1. su = standard units.
2. umhos/cm = micromhos per centimeter.
3. (°F) = degrees Farenheit.

TABLE 6
GROUNDWATER SAMPLE SUMMARY

Former Brainerd Manufacturing
115 North Washington Street
East Rochester, NY

Sample ID	Date	Method	Parameters
MW-1	8/21/01	-dedicated bailer	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-2	8/21/01	-dedicated bailer	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-3	8/21/01	-dedicated bailer	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-4	8/21/01	-dedicated bailer	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide
MW-5	8/21/01	-dedicated bailer	VOCs by EPA Method 8260 Chromium, Copper, Nickel, Zinc, Total Cyanide

TABLE 7
SUMMARY OF HYDRAULIC CONDUCTIVITIES

Former Brainerd Manufacturing
115 North Washington
East Rochester, NY

Estimates Derived from Slug Tests		
WELLS	**RISING HEAD (cm/sec)**	**FALLING HEAD (cm/sec)**
MW-1	6.17E-04	5.81E-04
MW-2	1.45E-03	3.68E-04
MW-3	3.18E-06	3.18E-06
MW-4	3.81E-04	1.68E-04
MW-5	2.52E-03	2.95E-04

Note:
1. Slug Test Geometric Mean = 1.98E-04.
2. cm/sec = centimeters per second.

Estimates Derived from Grain Size Analyses		
WELLS	**DEPTH (ft/bgs)**	**HAZEN METHOD (cm/sec)**
MW-4	24 - 26	6.00E-04
MW-5	24 - 26	1.04E-03

Note:
1. Hazen Method Geometric Mean = 7.9E-04.
2. cm/sec = centimeters per second.
3. ft/bgs = feet below ground surface.

TABLE 10
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER (ug/L)

Former Brainerd Manufacturing
115 North Washington Street
East Rochester, NY

COMPOUNDS	August 21, 2001					NYSDEC Groundwater Standards and Guidance Values (*)
	MW-1	MW-2	MW-3	MW-4	MW-5	
EPA 8260						
Acetone						50
m,p Xylene						5
o Xylene						5
Tetrachloroethene	5	**10**	**10**	**28**	**1,200**	5
Trichloroethene		**12**	**43**	**190**	**1,100**	5
1,1,1-Trichloroethane						2
Total Chlorinated Compounds	*5*	*22*	*53*	*218*	*2,300*	
Metals						
Zinc	25	25	37	85	42	2,000
Chromium					**145**	50

Notes:
1. ug/l = micrograms/liter which is equivalent to parts per billion (ppb).
2. (*) = NYSDEC. June 1998. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (1.1.1).
3. **Bold** = reported concentration above groundwater cleanup standard.
4. ** = estimated values.
5. *** = acetone suspected to be an artifact of well supply manufacturer.

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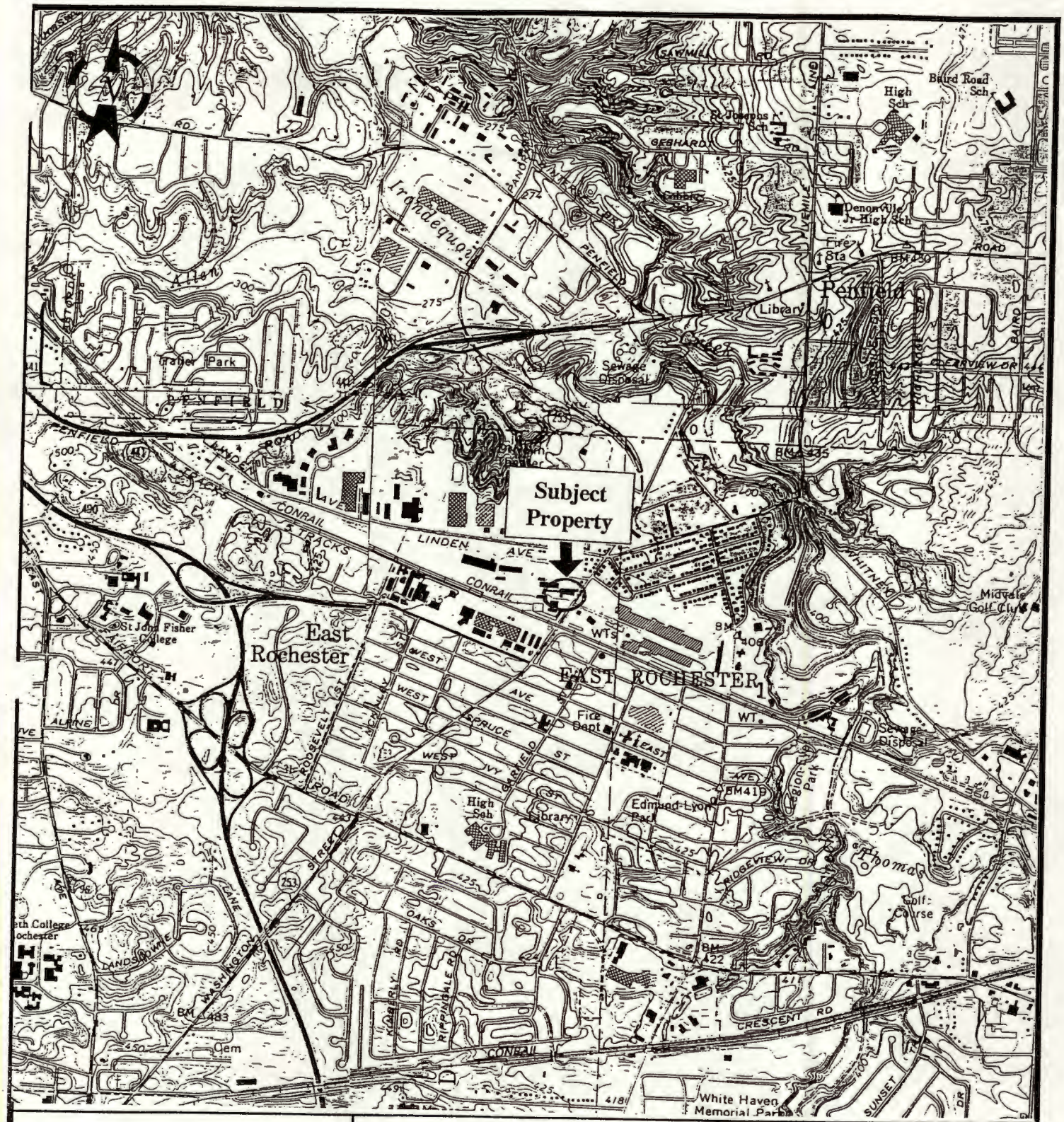
Figure 1

Former Brainerd Manufacturing

115 North Washington Street
Village of East Rochester, Monroe County, New York

Site Location Map

Scale: 1:24,000
Source: USGS Topographic Maps: Rochester East, Pittsford, Fairport and Webster Quadrangles (Photorevised 1978)



SEAR·BROWN

ARCHITECTURE
ENGINEERING
PLANNING
CONSTRUCTION

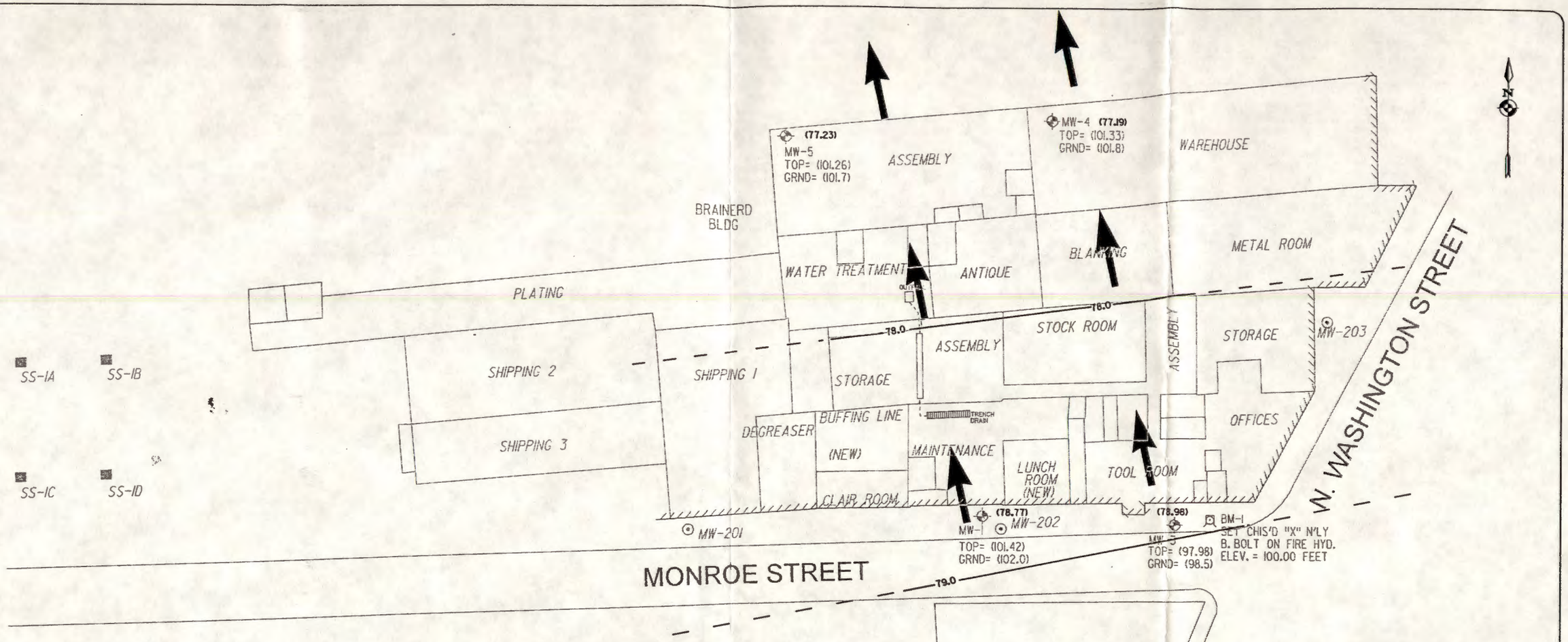
Figure 1

Former Brainerd Manufacturing

115 North Washington Street
Village of East Rochester, Monroe County, New York

Site Location Map

Scale: 1:24,000
Source: USGS Topographic Maps: Rochester East, Pittsford, Fairport and Webster Quadrangles (Photorevised 1978)



NOTES:

1. BUILDING LAYOUT FROM SITE PLAN PROVIDED TO SEAR BROWN DURING SEAR BROWN PHASE I PROPERTY VISIT IN JANUARY 2000.
2. PROPERTY BOUNDARIES OBTAINED FROM "A MAP OF SURVEY & INSTRUMENT LOCATION OF LANDS OF BRAINERD MANUFACTURING CORP." SCALE 1"=30', DATED MAY 16, 1990, BY DOMINIC J. PARRONE & ASSOCIATES OF PENFIELD, NEW YORK.
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5. MONITORING WELLS MW-1 TO MW-3 AND SOIL CORINGS SC-1 TO SC-5 COMPLETED BY SEAR BROWN IN APRIL 2001 AND MAY 2001, RESPECTIVELY.
6. MONITORING WELLS MW-4 AND MW-5 AND SOIL CORINGS SC-6 TO SC-17 COMPLETED BY SEAR-BROWN IN AUGUST 2001.

⊕ SOIL CORING LOCATION

⊕ TWO-INCH MONITORING WELL LOCATION

⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)

■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

SEAR·BROWN
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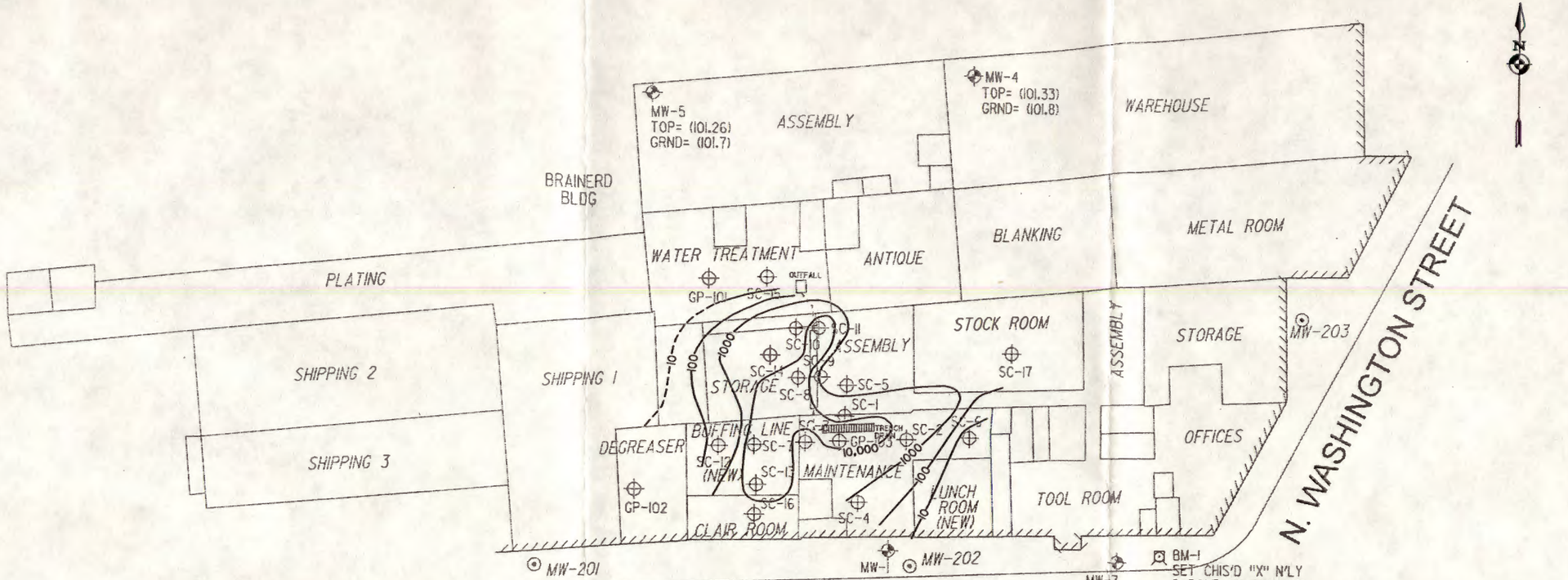
PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: WATER LEVEL CONTOURS

PROJECT NO. 16366.01

DRAWING NO. FIG. 3



NOTES:

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6. MONITORING WELLS MW-4 AND MW-5 AND SOIL CORINGS SC-6 TO SC-17 COMPLETED BY SEAR-BROWN IN AUGUST 2001.

⊕ *SOIL CORING LOCATION*

⊕ *TWO-INCH MONITORING WELL LOCATION*

⊙ *ONE-INCH MONITORING WELL LOCATION (DESTROYED)*

■ *SURFACE SAMPLE GRAB LOCATION*

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

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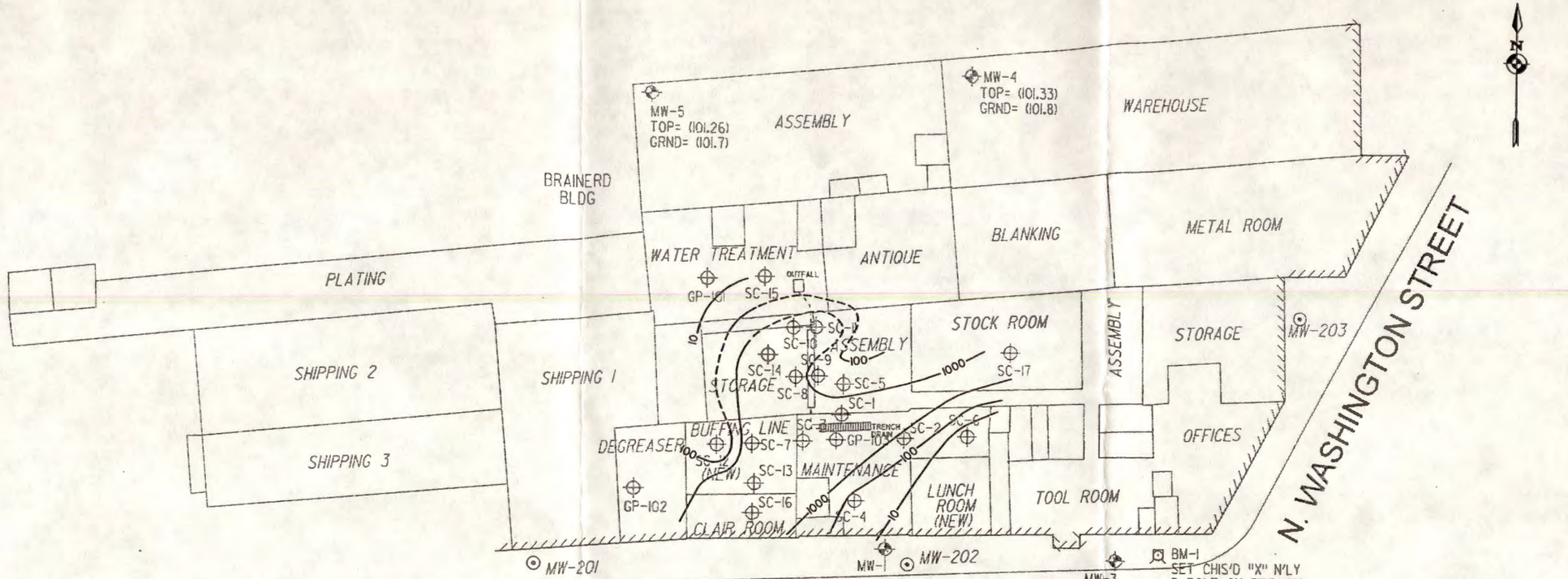
PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: PCE IN SOIL (ug / kg) 0'-3'

PROJECT NO.: 16366.01

DRAWING NO.: FIG. 4



NOTES:

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6. MONITORING WELLS MW-4 AND MW-5 AND SOIL CORINGS SC-6 TO SC-17 COMPLETED BY SEAR-BROWN IN AUGUST 2001.

⊕ SOIL CORING LOCATION

⊕ TWO-INCH MONITORING WELL LOCATION

⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)

■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

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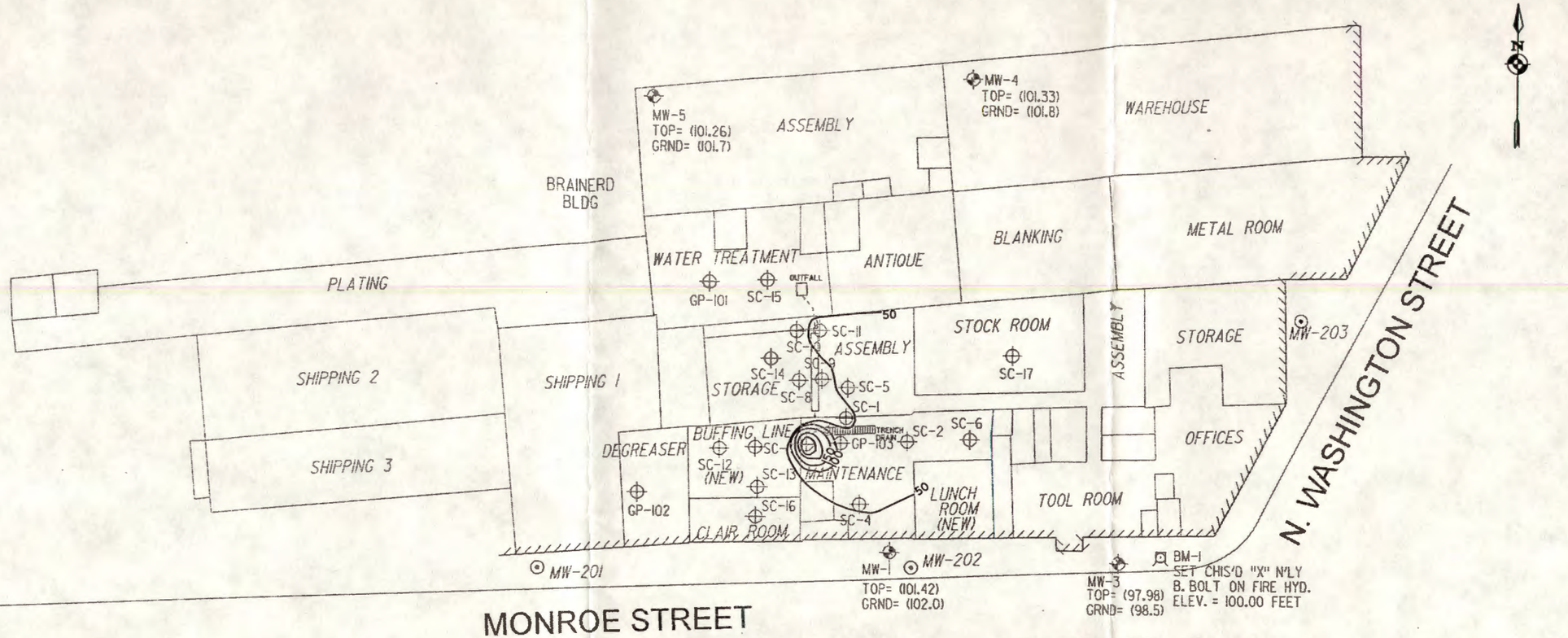
PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: TCE IN SOIL (ug / kg) 0'-3'

PROJECT NO. 16366.01

DRAWING NO. FIG. 5



NOTES:

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6. MONITORING WELLS MW-4 AND MW-5 AND SOIL CORINGS SC-6 TO SC-17 COMPLETED BY SEAR-BROWN IN AUGUST 2001.

⊕ SOIL CORING LOCATION

⊕ TWO-INCH MONITORING WELL LOCATION

⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)

■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

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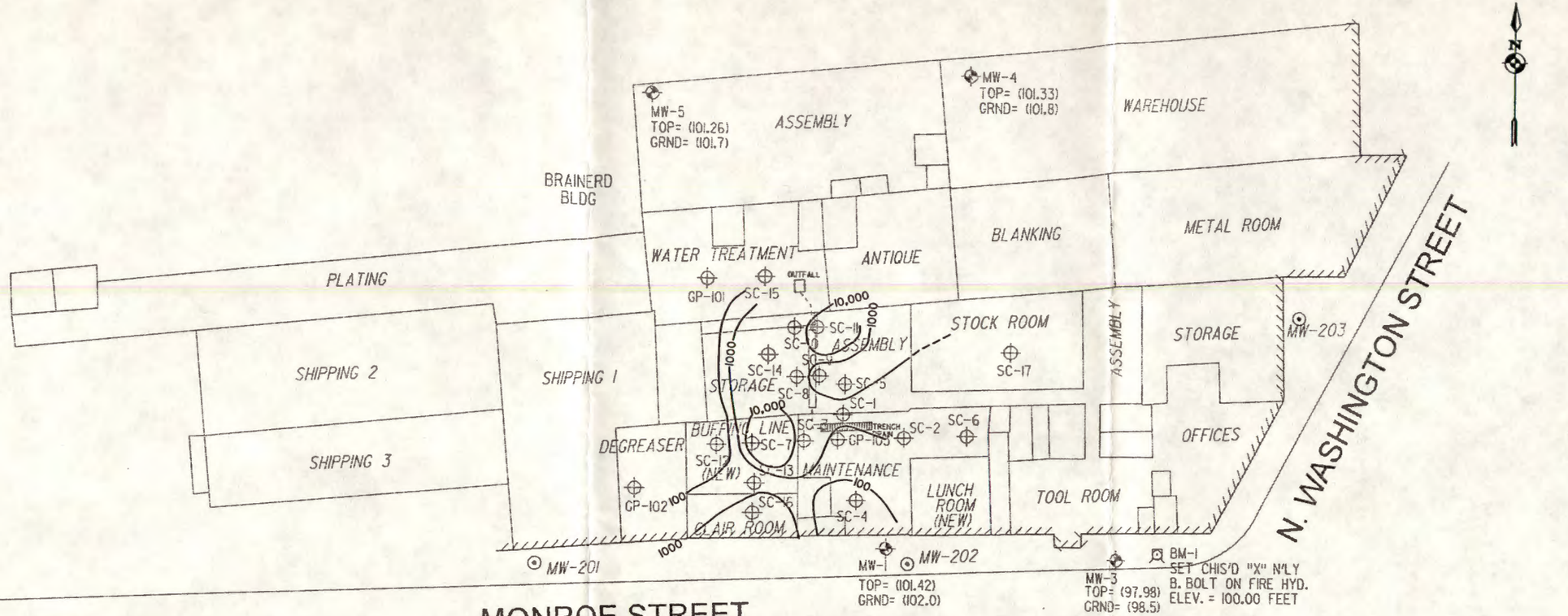
www.searbrown.com

PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: CHROMIUM IN SOIL (mg/kg) 0'-3'

PROJECT NO. 16366.01

DRAWING NO. FIG. 6



NOTES:

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2. PROPERTY BOUNDARIES OBTAINED FROM "A MAP OF SURVEY & INSTRUMENT LOCATION OF LANDS OF BRAINERD MANUFACTURING CORP." SCALE 1"=30', DATED MAY 16, 1990, BY DOMINIC J. PARRONE & ASSOCIATES OF PENFIELD, NEW YORK.
3. SURFACE SAMPLES (0-6 INCHES DEEP) SS-1A - SS-1D WERE COLLECTED BY SEAR BROWN IN JANUARY 2000, AND SUBMITTED AS COMPOSITE SAMPLE SS-1.
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⊕ SOIL CORING LOCATION

⊕ TWO-INCH MONITORING WELL LOCATION

⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)

■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

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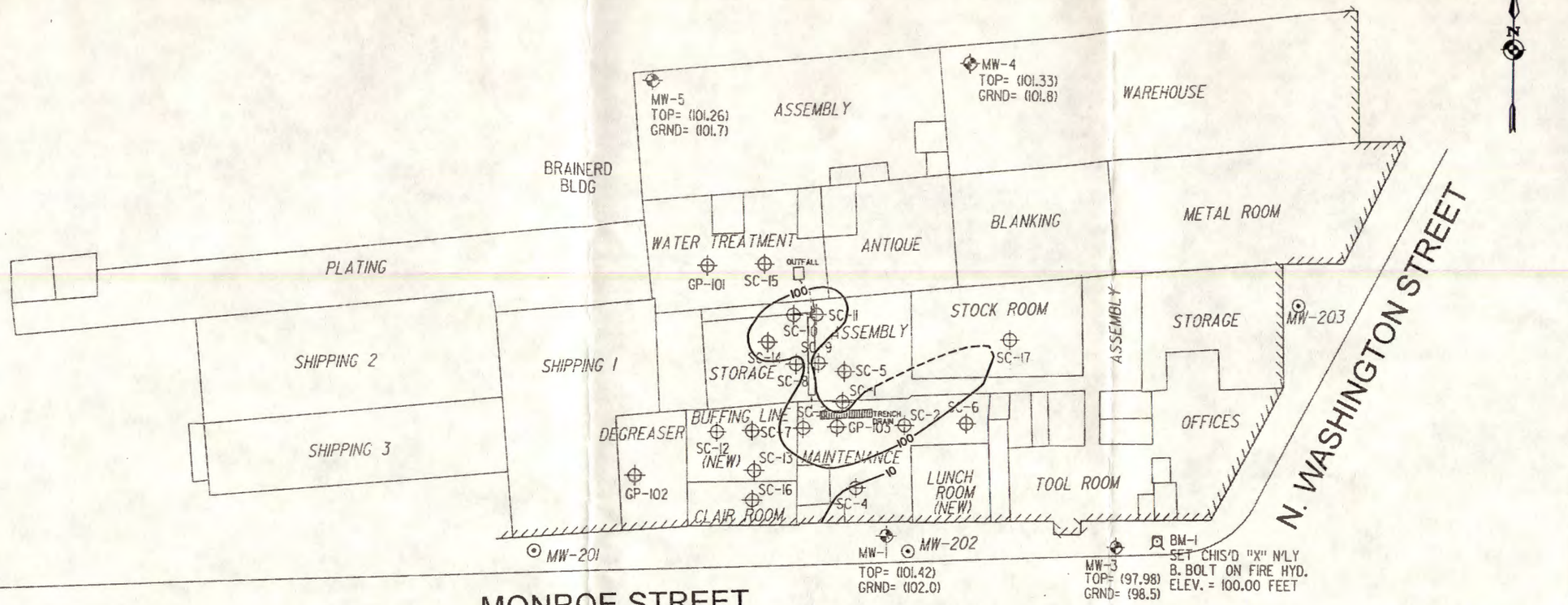
PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: COPPER IN SOIL (mg/kg) 0'-3'

PROJECT NO. 16366.01

DRAWING NO. FIG. 7



NOTES:

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- ⊕ SOIL CORING LOCATION
- ⌖ TWO-INCH MONITORING WELL LOCATION
- ⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)
- ■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

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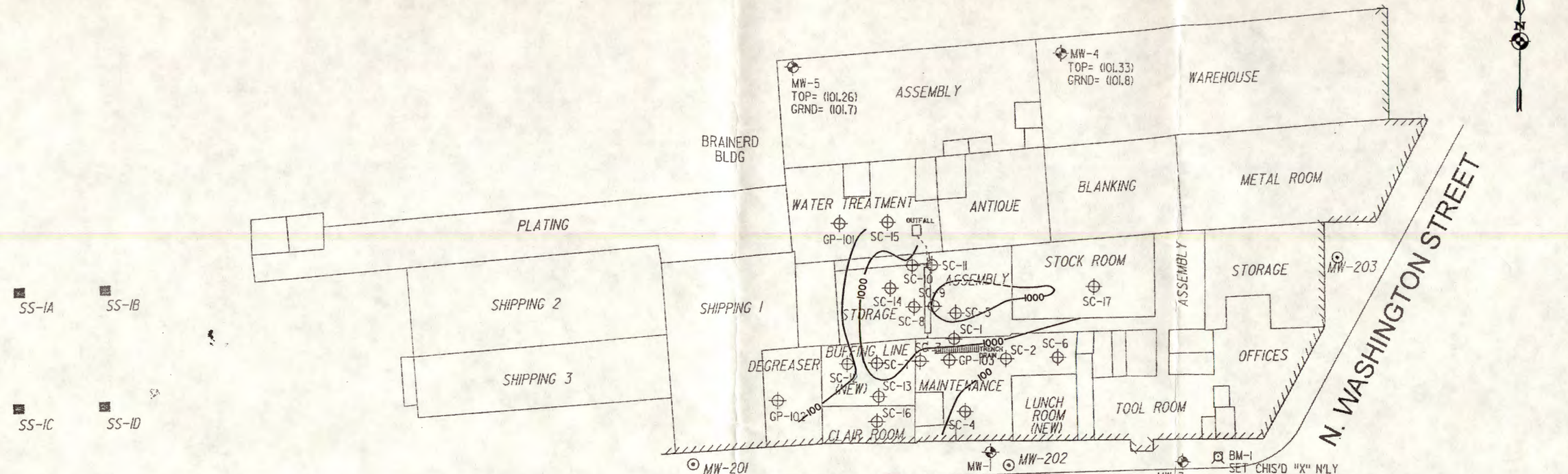
PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: NICKEL IN SOIL (mg/kg) 0'-3'

PROJECT NO.: 16366.01

DRAWING NO.: FIG. 8



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2. PROPERTY BOUNDARIES OBTAINED FROM "A MAP OF SURVEY & INSTRUMENT LOCATION OF LANDS OF BRAINERD MANUFACTURING CORP." SCALE 1"=30', DATED MAY 16, 1990, BY DOMINIC J. PARRONE & ASSOCIATES OF PENFIELD, NEW YORK.
3. SURFACE SAMPLES (0-6 INCHES DEEP) SS-1A - SS-1D WERE COLLECTED BY SEAR BROWN IN JANUARY 2000, AND SUBMITTED AS COMPOSITE SAMPLE SS-1.
4. MONITORING WELLS MW-201 TO MW-203 AND SOIL CORINGS GP-101 TO GP-103 COMPLETED BY SEAR BROWN IN JANUARY 2000. MONITORING WELLS MW-201 TO MW-203 HAVE SINCE BEEN DESTROYED DUE TO SITE REPAVING ACTIVITIES.
5. MONITORING WELLS MW-1 TO MW-3 AND SOIL CORINGS SC-1 TO SC-5 COMPLETED BY SEAR BROWN IN APRIL 2001 AND MAY 2001, RESPECTIVELY.
6. MONITORING WELLS MW-4 AND MW-5 AND SOIL CORINGS SC-6 TO SC-17 COMPLETED BY SEAR-BROWN IN AUGUST 2001.

⊕ SOIL CORING LOCATION

⊕ TWO-INCH MONITORING WELL LOCATION

⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)

■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

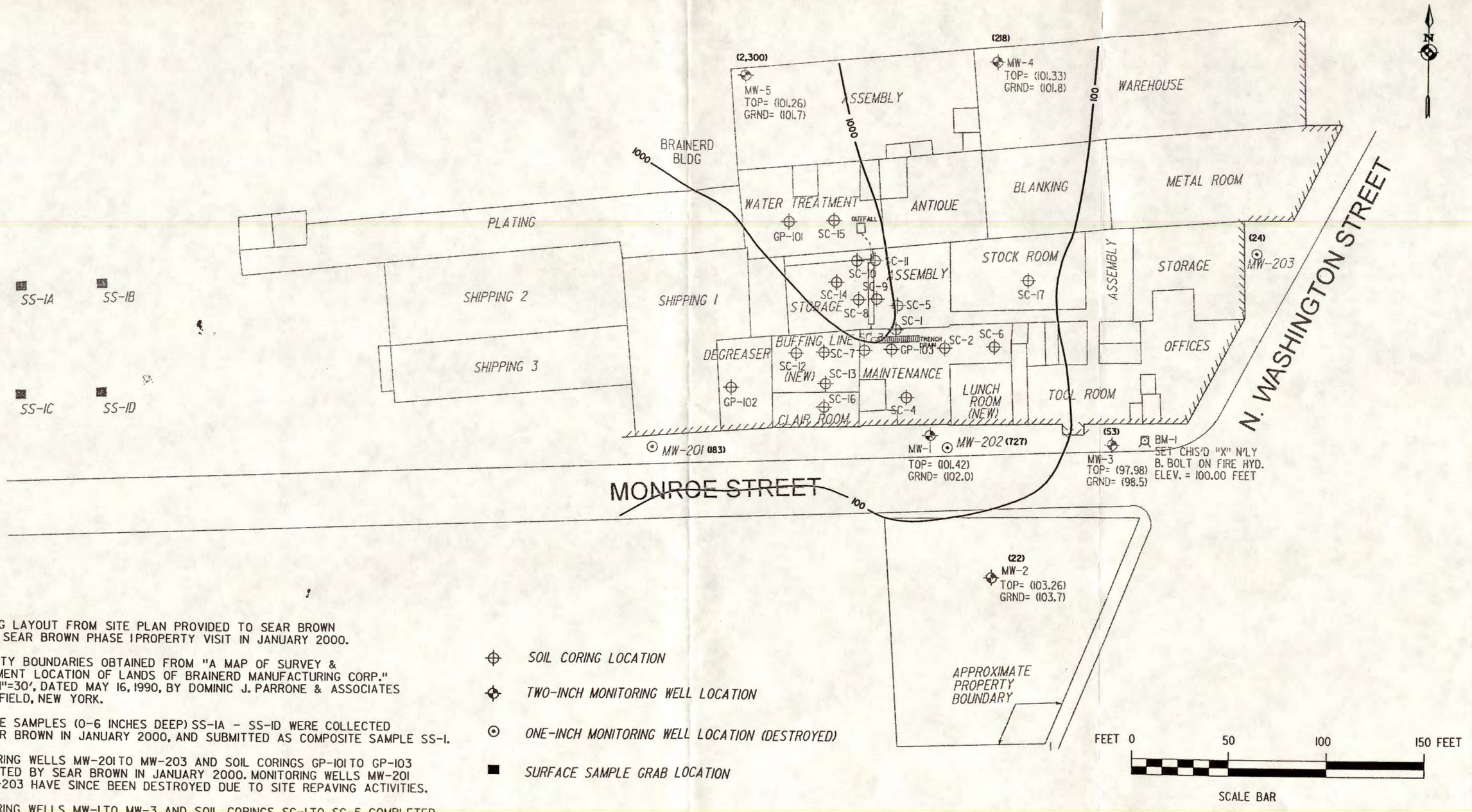
SEAR-BROWN
85 Metro Park
Rochester, N.Y. 14623-2674
(716) 475-1440
www.searbrown.com

PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: ZINC IN SOIL (mg/kg) 0'-3.0'

PROJECT NO. 16366.01

DRAWING NO. FIG. 9



NOTES:

1. BUILDING LAYOUT FROM SITE PLAN PROVIDED TO SEAR BROWN DURING SEAR BROWN PHASE I PROPERTY VISIT IN JANUARY 2000.
2. PROPERTY BOUNDARIES OBTAINED FROM "A MAP OF SURVEY & INSTRUMENT LOCATION OF LANDS OF BRAINERD MANUFACTURING CORP." SCALE 1"=30', DATED MAY 16, 1990, BY DOMINIC J. PARRONE & ASSOCIATES OF PENFIELD, NEW YORK.
3. SURFACE SAMPLES (0-6 INCHES DEEP) SS-1A - SS-1D WERE COLLECTED BY SEAR BROWN IN JANUARY 2000, AND SUBMITTED AS COMPOSITE SAMPLE SS-1.
4. MONITORING WELLS MW-201 TO MW-203 AND SOIL CORINGS GP-101 TO GP-103 COMPLETED BY SEAR BROWN IN JANUARY 2000. MONITORING WELLS MW-201 TO MW-203 HAVE SINCE BEEN DESTROYED DUE TO SITE REPAVING ACTIVITIES.
5. MONITORING WELLS MW-1 TO MW-3 AND SOIL CORINGS SC-1 TO SC-5 COMPLETED BY SEAR BROWN IN APRIL 2001 AND MAY 2001, RESPECTIVELY.
6. MONITORING WELLS MW-4 AND MW-5 AND SOIL CORINGS SC-6 TO SC-17 COMPLETED BY SEAR-BROWN IN AUGUST 2001.

- ⊕ SOIL CORING LOCATION
- ⊕ TWO-INCH MONITORING WELL LOCATION
- ⊙ ONE-INCH MONITORING WELL LOCATION (DESTROYED)
- ■ SURFACE SAMPLE GRAB LOCATION

PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: A. LESS
SCALE: 1" = 50'
FIRST ISSUE DATE: 10/22/01

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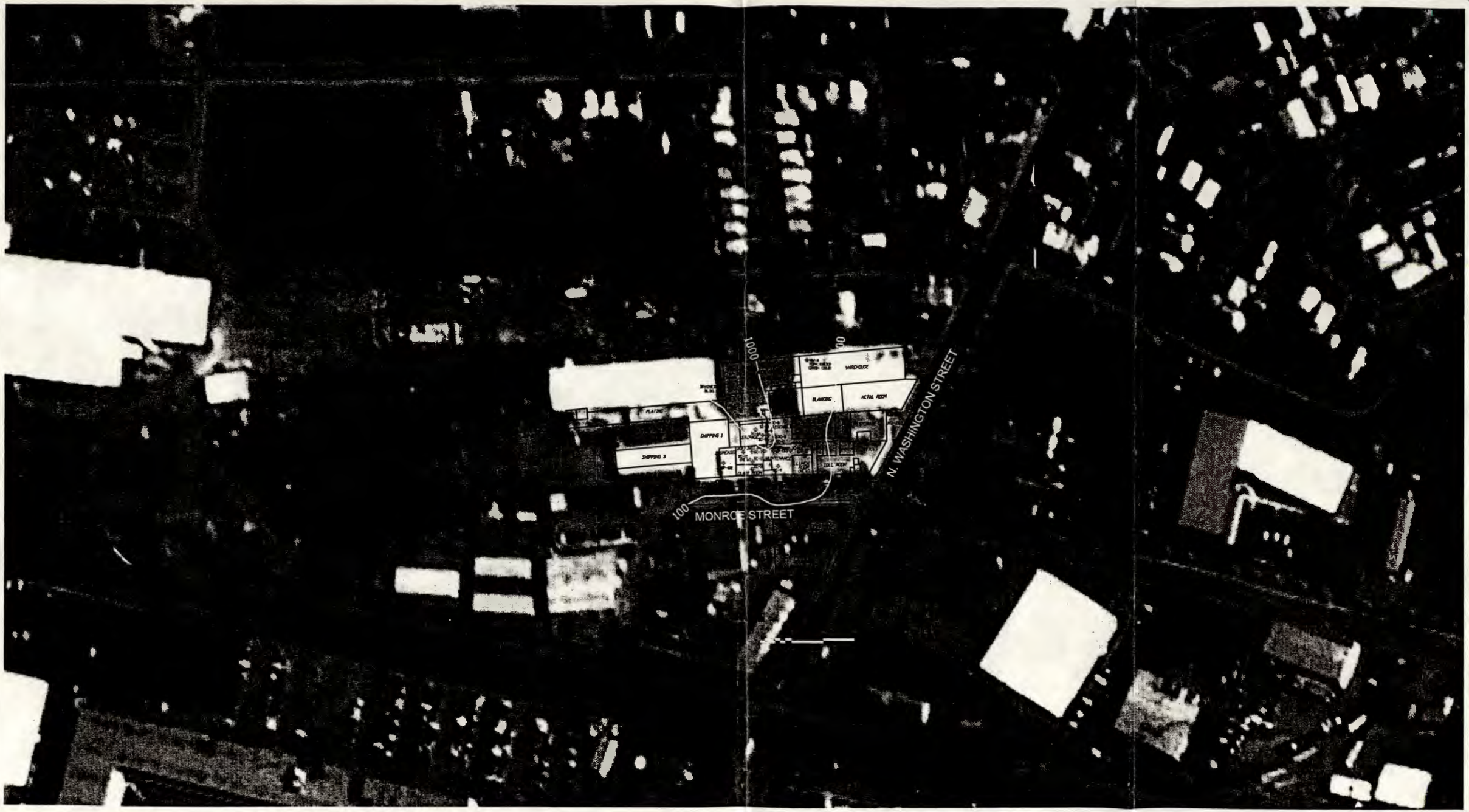
PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: TOTAL CONCENTRATION OF CHLORINATED COMPOUNDS IN GROUNDWATER (ug / l)

PROJECT NO. 16366.01
DRAWING NO. FIG. 10



PROJECT ENGINEER/ARCHITECT: P. SMITH
PROJECT MANAGER: M. STORONSKY
DRAWN BY: M. STORONSKY
SCALE: 1" = 150'
FIRST ISSUE DATE: 10/22/01

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PROJECT: FORMER BRAINERD MANUFACTURING
115 N. WASHINGTON STREET
EAST ROCHESTER, NEW YORK

TITLE OF DRAWING: GROUNDWATER PLUME ON ARIEAL PHOTO

PROJECT NO.: 16366.01
DRAWING NO.: FIG. 11

SEAR·BROWN

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(716) 475-1440

Test Boring No. MW-4

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Nothnagle
Driller: J. Stockholm
Elevation: _____
Weather: _____

Start Date: August 15, 2001
Completion Date: August 15, 2001
Drilling Method: 4-1/4 in. hollow stem aug
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.5
		11				1.0	15"	1	0.5-2.0	Gray brown fine SAND, some silt, old asphalt at 2.0 ft bls
			53							
				86						
		68				0.8	NR	2	2.0-3.0	No Recovery
			100/6							(FILL) 3.5
		8				.7	24"	3	4.0-6.0	Light brown silty fine SAND, dry
5			5							
				7						
					6					(NATIVE)
		12				0.6	12"	4	6.0-8.0	- same, except moist
			14							
				14						
					10					
		13				1.0	16"	5	8.0-10.0	- same
			12							
				9						
0					10					
		8				1.4	16"	6	10.0-12.0	- same
			10							
				14						
					13					
		9				1.7	16"	7	12.0-14.0	- same
			9							
				9						
					11					
		8				1.3	24"	8	14.0-16.0	- same
5			8							
				10						
					17					
		23				2.0	16"	9	16.0-18.0	- same
			26							
				33						
					27					
		26				1.7	16"	10	18.0-20.0	- same
			26							
				25						
0					25					

N = No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. * Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

* Note: due to limited clearance, full 30" drop not attained.

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Test Boring No. MW-4

Page 2 of 2

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Nothnagle
Driller: J. Stockholm
Elevation: ______
Weather: ______

Start Date: August 15, 2001
Completion Date: August 15, 2001
Drilling Method: 4-1/4 in. hollow stem auger
Supervisor: P. Smith

20	C	Blows on Sampler				SAMPLE				Soil and Rock Information
		0-6"	6-12"	12-18"	18-24"	PID	Rec.	No.	Depth	Remarks
		22				1.7	16"	11	20-22	-Same, except gray brown
			17							wet @ 21.5'
				22						
					22					
		28				4.5	16"	12	22-24.0	- Same
			26							
				28						
					27					
		21				2.3	16"	13	24-26.0	- Same
5			30							
				31						
					41					
		26				2.3	16"	14	26-28.0	- Same
			34							
				34						
					30					28.0
										Boring terminated at 28.0 ft BGS.
0										

N = No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. * Ea. Blow
C = No. of Blows to Drive ______ Casing ______ with ______ lb. Wt. ______ Ea. Blow

* Note: due to limited clearance, full 30" drop not attained.

SEAR·BROWN

OVERBURDEN MONITORING WELL

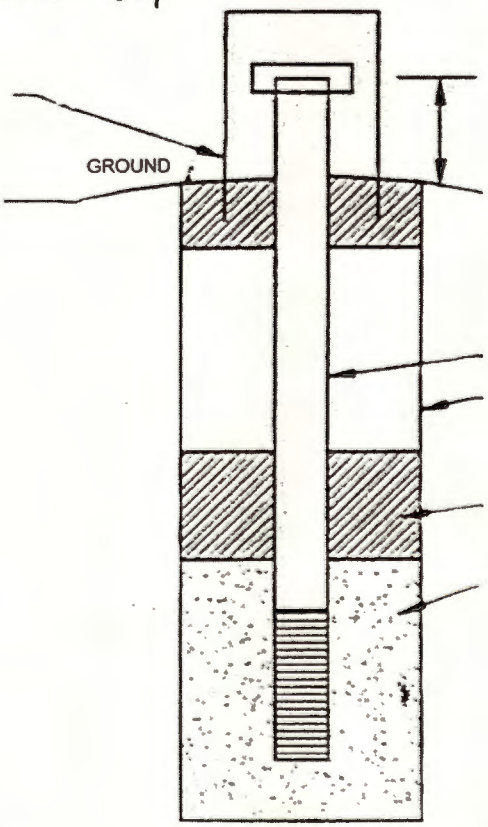
DESIGN DETAILS

PROJECT NAME Brainard
PROJECT NUMBER 16366.02
CLIENT
LOCATION 115 N. Washington

HOLE DESIGNATION MW-4
DATE COMPLETED 8-15-01
DRILLING METHOD HSA 4-1/4 inch
GEOLOGIST P. Sanders
WELL INSTALLATION

CAP TYPE flush mount road box

PROTECTIVE CASING



STICK-UP 6 ft

SURFACE SEAL TYPE concrete

TOP OF SEAL* AT 12.0 ft

BOTTOM OF SEAL* AT 15.5 ft

TOP OF SCREEN* AT 17.5 ft

BOTTOM OF SCREEN* AT 27.5 ft

BOTTOM OF HOLE* AT 28.0 ft (Rock)

WELL CASING
ANNULUS BACKFILL
TYPE: Grout

SEAL TYPE: Bentonite Pellets

PACK TYPE: - SAND, SIZE

* NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT PERFORATED ___ LOUVRE ___ OTHER

SCREEN MATERIAL: STAINLESS STEEL ___ PVC X OTHER

SCREEN LENGTH: ___ ft SCREEN DIAMETER 2 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 2 in

HOLE DIAMETER: 8 inch

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Test Boring No. MW-5

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Nothnagle
Driller: J. Stockholm
Elevation: _____
Weather: _____

Start Date: August 16, 2001
Completion Date: August 16, 2001
Drilling Method: 4-1/4 in. hollow stem auger
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.5
		36					9"	1	0.5 - 2.0	Gray brown c-F SAND, some silt, dry (FILL)
			84							
				53						
		10					2"	2	2 - 4.0	-same
			18							4.0
				13						
					17					
5		2					24"	3	4 - 6.0	Brown silty fine SAND, moist NATIVE
			2							
				3						
					4					
		10					6"	4	6 - 8.0	-same
			20							
				28						
					26					
		11					18"	5	8 - 10.0	-same
			17							
10				17						
					13					
		6					18"	6	10 - 12.0	-same
			12							
				13						
					16					
		7					18"	7	12 - 14.0	-same
			11							
				13						
					14					
		13					18"	8	14 - 16.0	-same
15			10							
				17						
					22					
		68					10"	9	16 - 16.9	-same
			100/5							
							18"	10	18 - 20.0	-same
20										

N = No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. * Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

* Note: due to limited clearance, full 30" drop not attained

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Test Boring No. MW-5

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Nothnagle
Driller: J. Stockholm
Elevation: _____
Weather: _____

Start Date: August 16, 2001
Completion Date: August 16, 2001
Drilling Method: 4-1/4 in. hollow stem auger
Supervisor: P. Smith

	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
20		31				3.4	12"	11	20-22.0	-same
			31							
				34						
					30					
		24				7.8	18"	12	22-23.4'	-same, except wet
			40							
				100/5						
		36				5.0	24"	13	24-26.0	-same
25			56							
				70						
					92					
		49				5.5	10"	14	26-26.9	-same
			100/4							
										Auger from 28.0 to 30.0 w/o sampling
30										Boring terminated at 30 Ft. BGS
45										
10										

N = No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. * Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

* Note: due to limited clearance, full 30" drop attained.

SEAR·BROWN

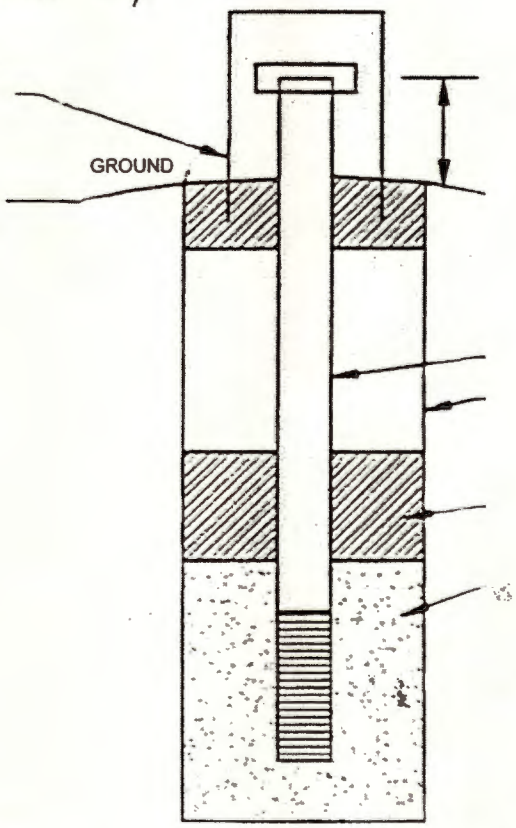
OVERBURDEN MONITORING WELL

DESIGN DETAILS

PROJECT NAME Brainard
PROJECT NUMBER 163 6602
CLIENT
LOCATION 115 N. Washington

HOLE DESIGNATION MW-5
DATE COMPLETED 8-16-01
DRILLING METHOD HSA 4-1/4 in HSA
GEOLOGIST P. Smith
WELL INSTALLATION

CAP TYPE flush mount road box



STICK-UP Ø ft

SURFACE SEAL TYPE Concrete

TOP OF SEAL* AT 14.9 ft

BOTTOM OF SEAL* AT 17.3 ft

TOP OF SCREEN* AT 19.5 ft

BOTTOM OF SCREEN* AT 29.5 ft

BOTTOM OF HOLE* AT 30.0 ft (Rock)

WELL CASING
ANNULUS BACKFILL
TYPE: Grout

SEAL TYPE: Bentonite Pellets

PACK TYPE: - SAND, SIZE

* NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT PERFORATED ___ LOUVRE ___ OTHER

SCREEN MATERIAL: STAINLESS STEEL ___ PVC X OTHER

SCREEN LENGTH: ___ ft SCREEN DIAMETER 2 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 2 in

HOLE DIAMETER: 8 inch

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Test Boring No. SC-6

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
1									CORE	Concrete 1.2'
2						10.9	26"	1	1.2 -4.0	Dark gray stained silty fine SAND (FILL) 2.8'
3						1.7				Brown silty fine SAND, moist (NATIVE) 4.0'
4										
5										Boring terminated at 4.0 ft BGS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-7

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.5'
1						12.5	29"	1	0.5 - 4.0	Gray brown silty fine SAND and gravel (FILL) 2.4
						175				-Same except dark brown to black, strong sharp odor 2.8'
3						22				Brown silty fine SAND (NATIVE) 4.0'
4										Boring terminated @ 4.0 ft BGS
5										
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-8

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.4
1							34"	1	0.4-4.0	Gray to black sand and gravel, partially cemented, mild odor
2										(FILL) 2.8
3						73				Brown silty fine sand (stained from 2.8 - 3.2 ft BGS)
4						29				(NATIVE) 4.0
5										Boring terminated @ 4.0 ft BGS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-9

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.4
								1	0.4 -4.0	Brown to gray brown silty fine SAND
1										
2										
										-strong odor @ 2.5 ft BGS
						71				
3										
4						37				
										4.0
										Boring terminated @ 4.0 ft BGS
5										
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-10

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.4
1							34"	1	0.4 – 4.0	Brown silty fine SAND (FILL)
2										
3						73				Brown gray and black coarse sand, some gravel. (FILL) 3.5
4						42				Brown silty (NATIVE) fine sand 4.0
5										Boring terminated @ 4.0 ft BGS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-11

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										0.3
						39	36"	1	0.3 – 4.0	Brown gray and black stained silty fine sand (FILL)
						6.8				3.5 Brown silty fine sand (NATIVE) 4.0
										Boring terminated at 4.0 FT BGS

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-12

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										0.3
1						9.6	34"	1	0.3 - 4.0	Brown and gray brown sand, silt, and gravel (FILL)
2										2.5'
3						6.5				Brown silty fine SAND
4										4.0
5										Boring terminated at 4.0 ft BGS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Test Boring No. SC-13

Page 1 of ___

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.4
1							36"	1	0.5 - 4.0	Brown sand and gravel (FILL) 2.0
2						132				same, except black, slight odor 2.5
3						34				Brown silty fine SAND (NATIVE) 4.0
4										
5										Boring terminated at 4.0 ft BGS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

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Rochester, NY 14623
(716) 475-1440

Test Boring No. SC-14

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.5
1						68	36"	1	0.5 - 4.0	Brown and black layered SILT, sand, no odor (FILL)
2										
3										3.0
4						11.7				Brown silty fine sand (NATIVE) 4.0
5										Boring terminated @ 4.0 Ft BLS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

Test Boring No. SC-15

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.6
1						1.0	24"	1	0.6 – 4.0	Gray and brown fine sand some gravel (FILL) 3.5'
2										
3										
4						0.6				Brown silty fine SAND (NATIVE) 4.0'
5										Boring terminated at 4.0 ft BGS
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

Test Boring No. SC-16

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.3
						144	36"	1	0.3 – 4.0	Brown and black gravelly SILT, no odor
1										
2										
3										3.0
						13				Brown silty SAND
4										4.0
										Boring terminated at 4.0 ft BGS
5										
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

Test Boring No. SC-17

Page 1 of 1

Project: Brainerd Manufacturing
Project #: 16366.02
Client: Allan Shafer
Location: East Rochester, NY

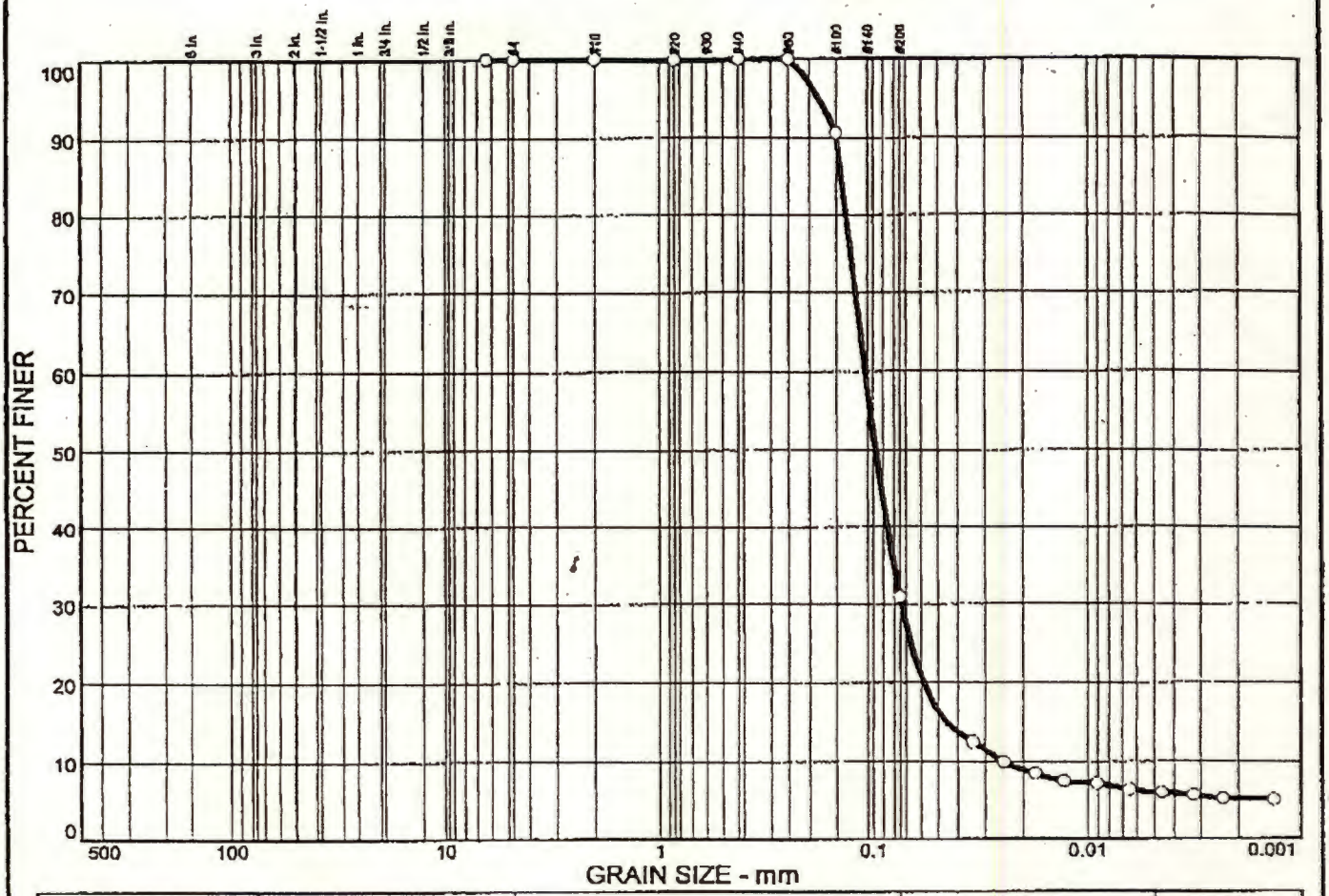
Drilling Contractor: Marcor
Driller: _____
Elevation: _____
Weather: _____

Start Date: August 1, 2001
Completion Date: August 1, 2001
Drilling Method: Geoprobe
Supervisor: P. Smith

0	C	Blows on Sampler 0-6"	6-12"	12-18"	18-24"	SAMPLE PID	Rec.	No.	Depth	Soil and Rock Information Remarks
										Concrete 0.4
						6.1	25"	1	0.4 - 4.0	Black c-f sand, some silt, no odor
1										
2										(FILL)
3										3.0
						3.1				Brown silty fine sand
4										(NATIVE) 4.0
5										
6										
7										
8										

N = No. of Blows to Drive _____ Spoon _____ with _____ lb. Wt. _____ Ea. Blow
C = No. of Blows to Drive _____ Casing _____ with _____ lb. Wt. _____ Ea. Blow

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.1	69.0	24.8	6.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.25 in.	100.0		
#4	99.9		
#10	99.9		
#20	99.9		
#40	99.9		
#60	99.9		
#100	90.6		
#200	30.9		

* (no specification provided)

Soil Description

SAND, some Silt, trace clay, trace gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.141 D_{60}= 0.109 D_{50}= 0.0973
D_{30}= 0.0738 D_{15}= 0.0449 D_{10}= 0.0245
C_u= 4.44 C_c= 2.04

Classification

USCS= AASHTO=

Remarks

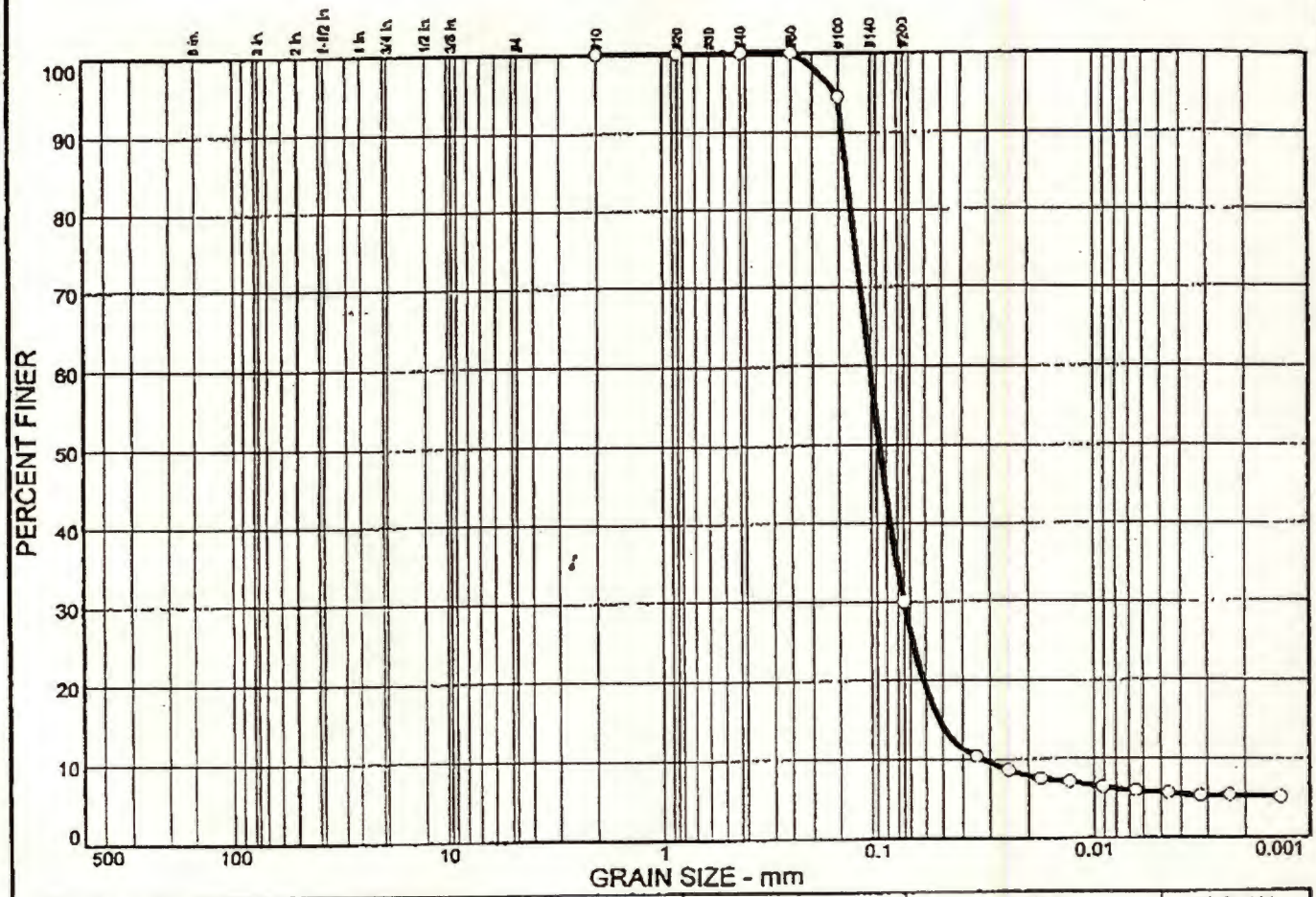
Sample delivered to VanDerHorst on 8-31-01
F.M.=0.09

Sample No.: 01-1367 **Source of Sample:** Brainard **Date:** 9-20-01
Location: MW-4 **Elev./Depth:** 24'-26'

VAN DER HORST ENGINEERING

Client: Sear-Brown Engineers
Project: Sear-Brown Materials Testing
Project No: RCH-01-311 **Figure Number** 01-1367

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	70.0	24.2	5.8

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#20	100.0		
#40	100.0		
#60	100.0		
#100	94.5		
#200	30.0		

* (no specification provided)

Soil Description

SAND, some Silt, trace clay

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.137 D_{60}= 0.108 D_{50}= 0.0969
D_{30}= 0.0750 D_{15}= 0.0516 D_{10}= 0.0323
C_u= 3.33 C_c= 1.62

Classification

USCS= AASHTO=

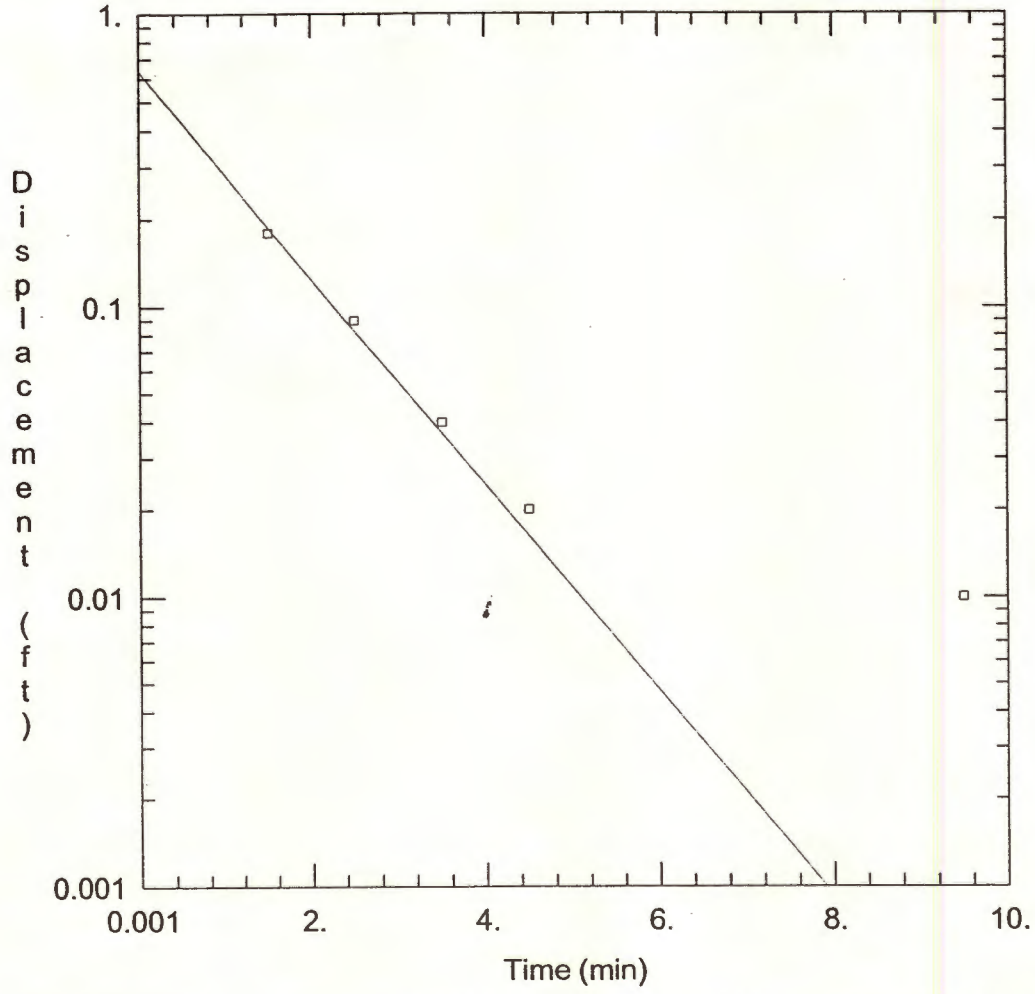
Remarks

Sample delivered to VanDerHorst on 8-31-01
F.M.=0.05

Sample No.: 01-1368 **Source of Sample:** Brainard **Date:** 9-20-01
Location: MW-5 **Elev./Depth:** 24'-26'

VAN DER HORST ENGINEERING

Client: Sear-Brown Engineers
Project: Sear-Brown Materials Testing
Project No: RCH-01-311 **Figure Number** 01-1368



RISING HEAD TEST

Data Set: N:\JOBS\1636602\data\SlugRisingTestMW-1.aqt
Date: 10/22/01 Time: 13:57:57

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-1
Test Date: 8-31-01

AQUIFER DATA

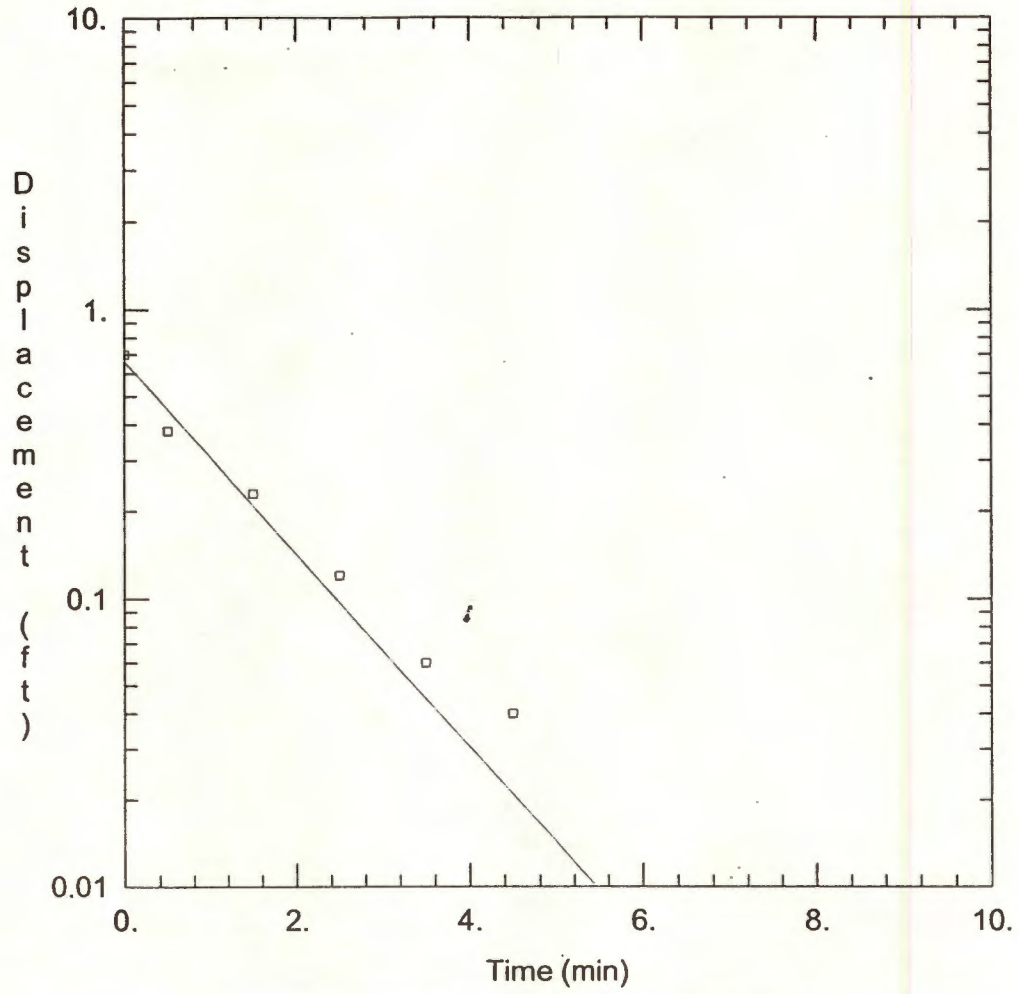
Saturated Thickness: 48.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 0.64 ft
Wellbore Radius: 0.33 ft
Screen Length: 18.3 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 48.56 ft

SOLUTION

Aquifer Model: Unconfined
K = 0.0006172 ft/min
Solution Method: Hvorslev
y0 = 0.6389 ft



FALLING HEAD TEST MW-1

Data Set: N:\JOBS\1636602\data\SlugFallingTestMW-1.aqt
Date: 10/22/01 Time: 13:54:59

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-1
Test Date: 8-31-01

AQUIFER DATA

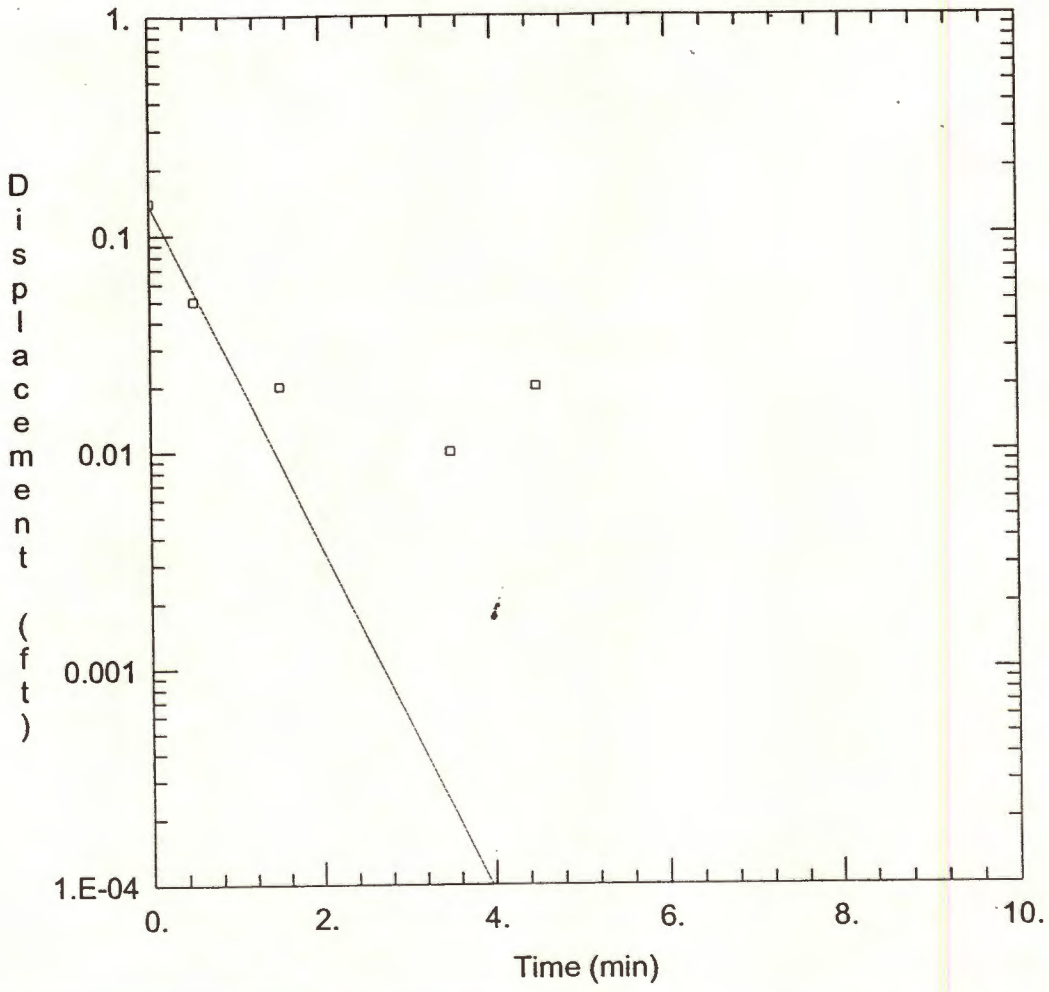
Saturated Thickness: 48.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 0.7 ft
Wellbore Radius: 0.33 ft
Screen Length: 18.3 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 48.5 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0005806 ft/min
y0 = 0.6628 ft



RISING HEAD TEST

Data Set: N:\JOBS\1636602\data\SlugRisingTestMW-2.aqt
Date: 10/22/01 Time: 13:58:18

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-2
Test Date: 8-31-01

AQUIFER DATA

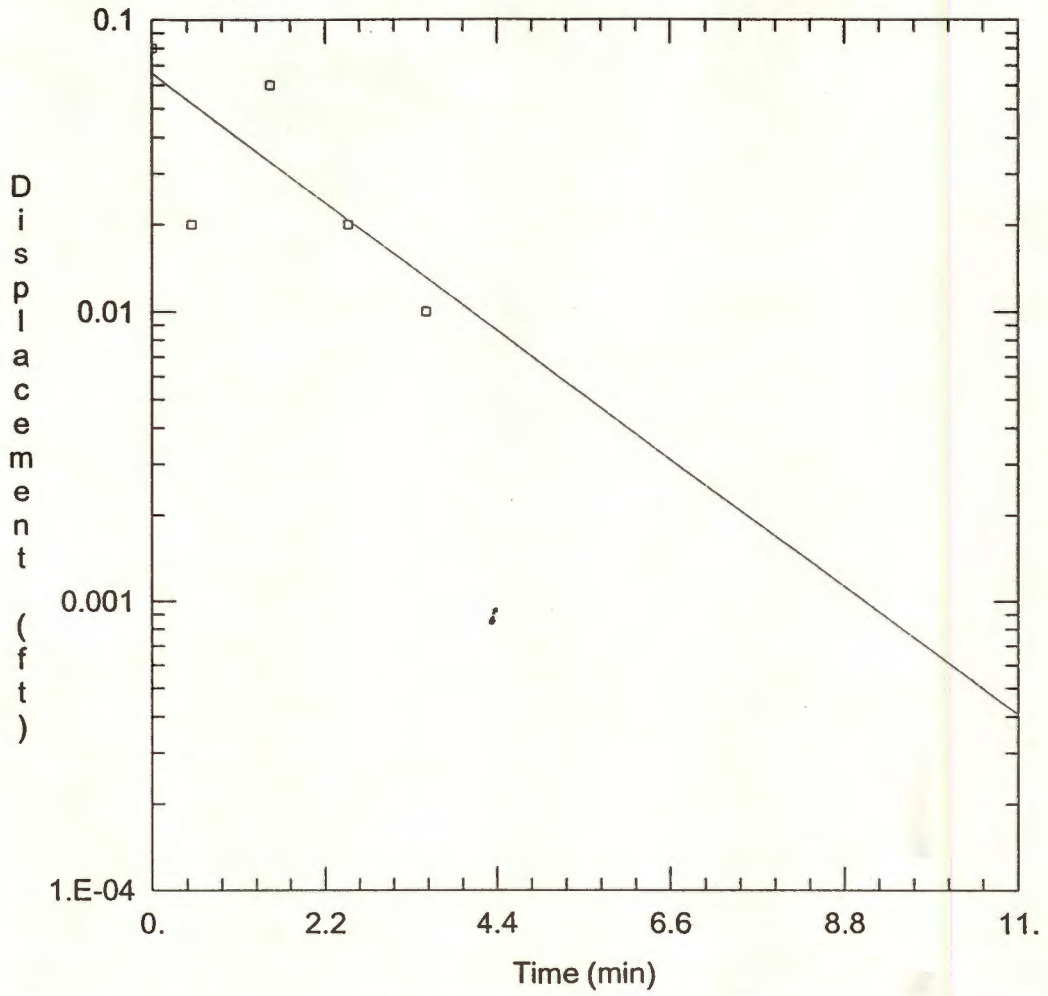
Saturated Thickness: 10.86 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-2)

Initial Displacement: 0.14 ft
Wellbore Radius: 0.33 ft
Screen Length: 17.1 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 10.86 ft

SOLUTION

Aquifer Model: Unconfined
K = 0.001453 ft/min
Solution Method: Hvorslev
y0 = 0.1385 ft



FALLING HEAD TEST

Data Set: N:\JOBS\1636602\data\SlugFallingTestMW-2.aqt
Date: 10/22/01 Time: 13:56:05

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-2
Test Date: 8-31-01

AQUIFER DATA

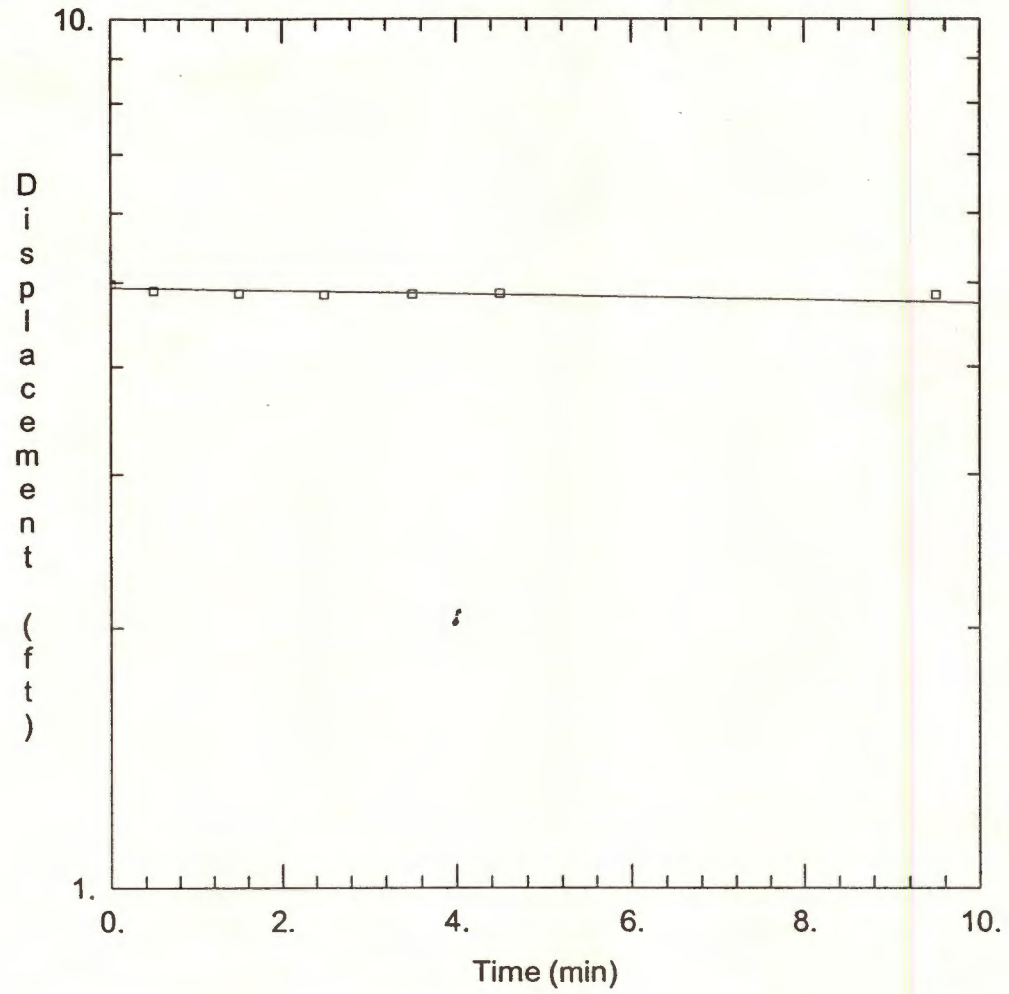
Saturated Thickness: 10.86 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-2)

Initial Displacement: 0.08 ft
Wellbore Radius: 0.33 ft
Screen Length: 17.1 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 10.86 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0003678 ft/min
y0 = 0.06596 ft



RISING HEAD TEST

Data Set: N:\JOBS\1636602\data\SlugRisingTestMW-3.aqt
Date: 10/22/01 Time: 13:58:40

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-3
Test Date: 8-31-01

AQUIFER DATA

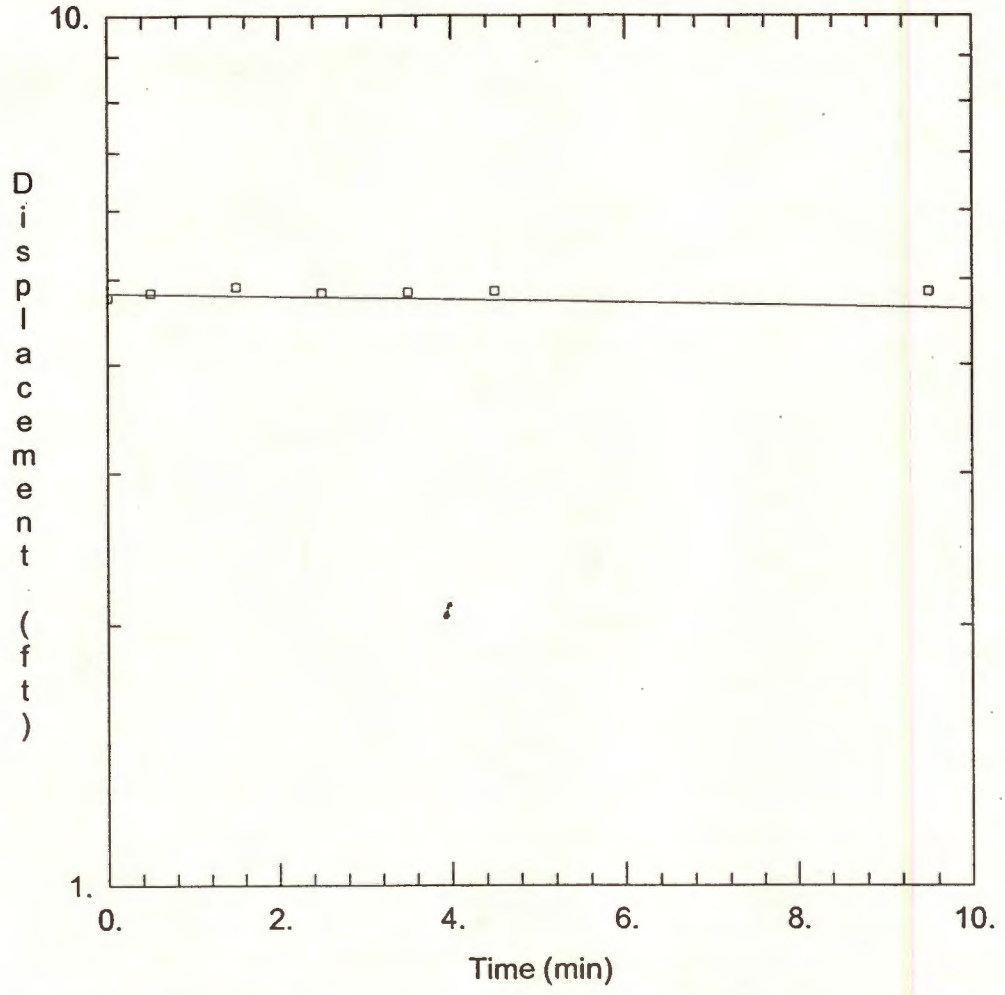
Saturated Thickness: 10.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 4.98 ft
Wellbore Radius: 0.33 ft
Screen Length: 17. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 10.5 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 3.177E-06 ft/min
y0 = 4.933 ft



FALLING HEAD TEST

Data Set: N:\JOBS\1636602\data\SlugFallingTestMW-3.aqt
Date: 10/22/01 Time: 13:56:22

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-3
Test Date: 8-31-01

AQUIFER DATA

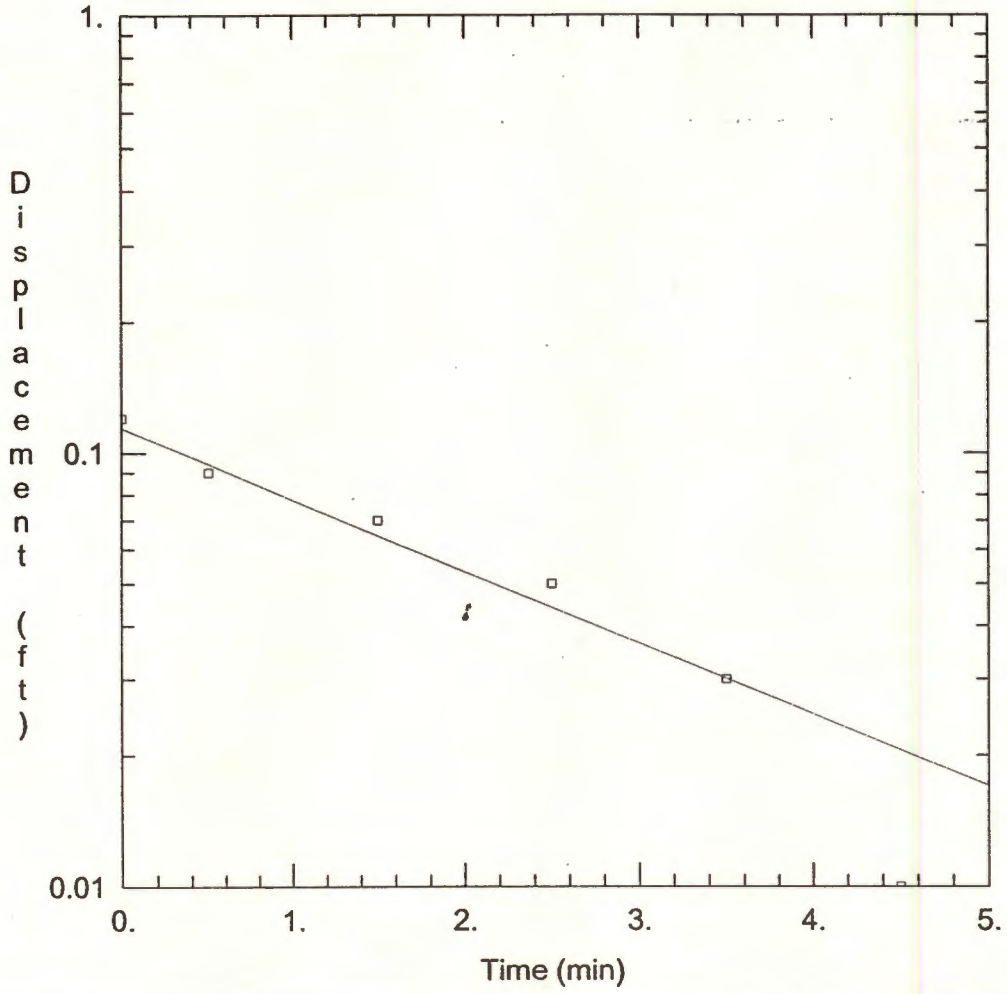
Saturated Thickness: 10.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 4.76 ft
Wellbore Radius: 0.33 ft
Screen Length: 17. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 10.5 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 3.177E-06 ft/min
y0 = 4.818 ft



RISING HEAD TEST MW-4

Data Set: N:\JOBS\1636602\data\SlugRisingTestMW-4.aqt
Date: 10/22/01 Time: 13:59:04

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-4
Test Date: 8-28-01

AQUIFER DATA

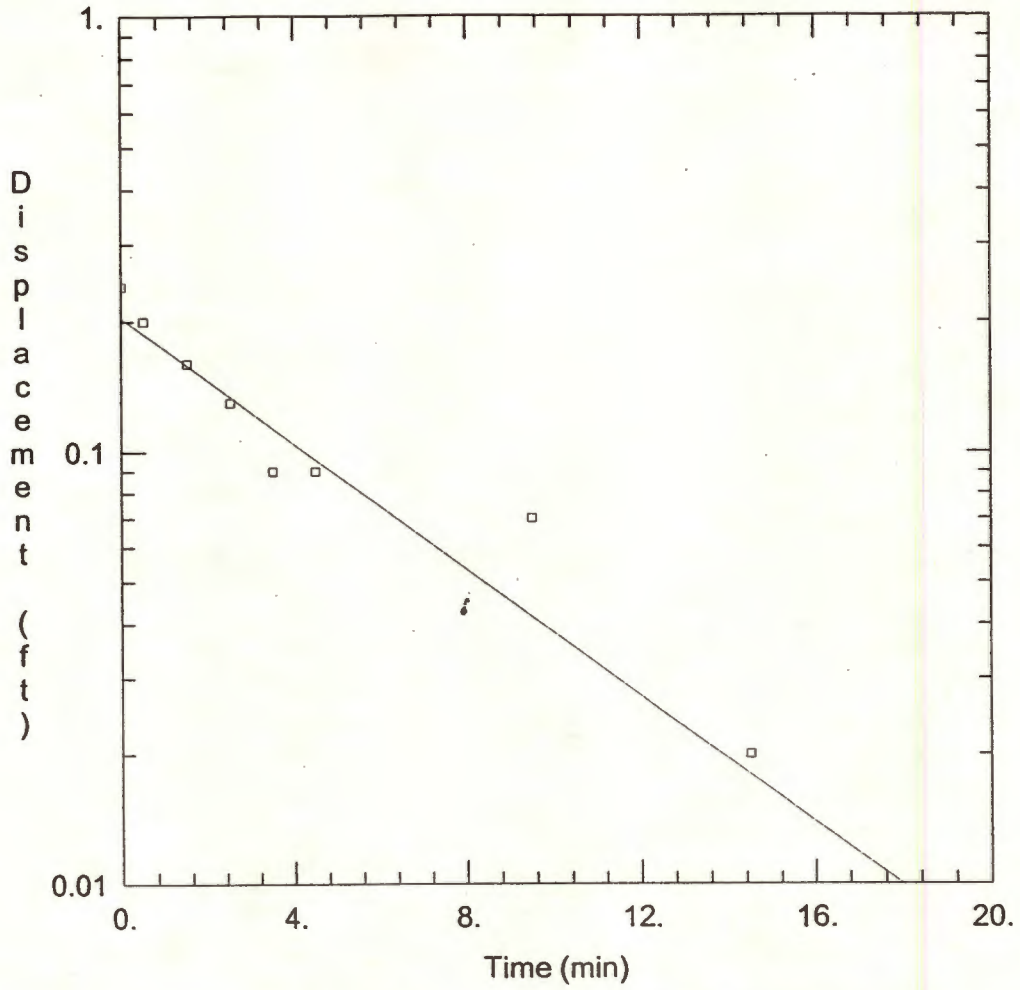
Saturated Thickness: 3.47 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 0.12 ft
Wellbore Radius: 0.33 ft
Screen Length: 12.5 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 3.47 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0003807 ft/min
y0 = 0.114 ft



FALLING HEAD TEST MW-4

Data Set: N:\JOBS\1636602\data\SlugFallingTestMW-4.aqt
Date: 10/22/01 Time: 13:56:45

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-4
Test Date: 8-28-01

AQUIFER DATA

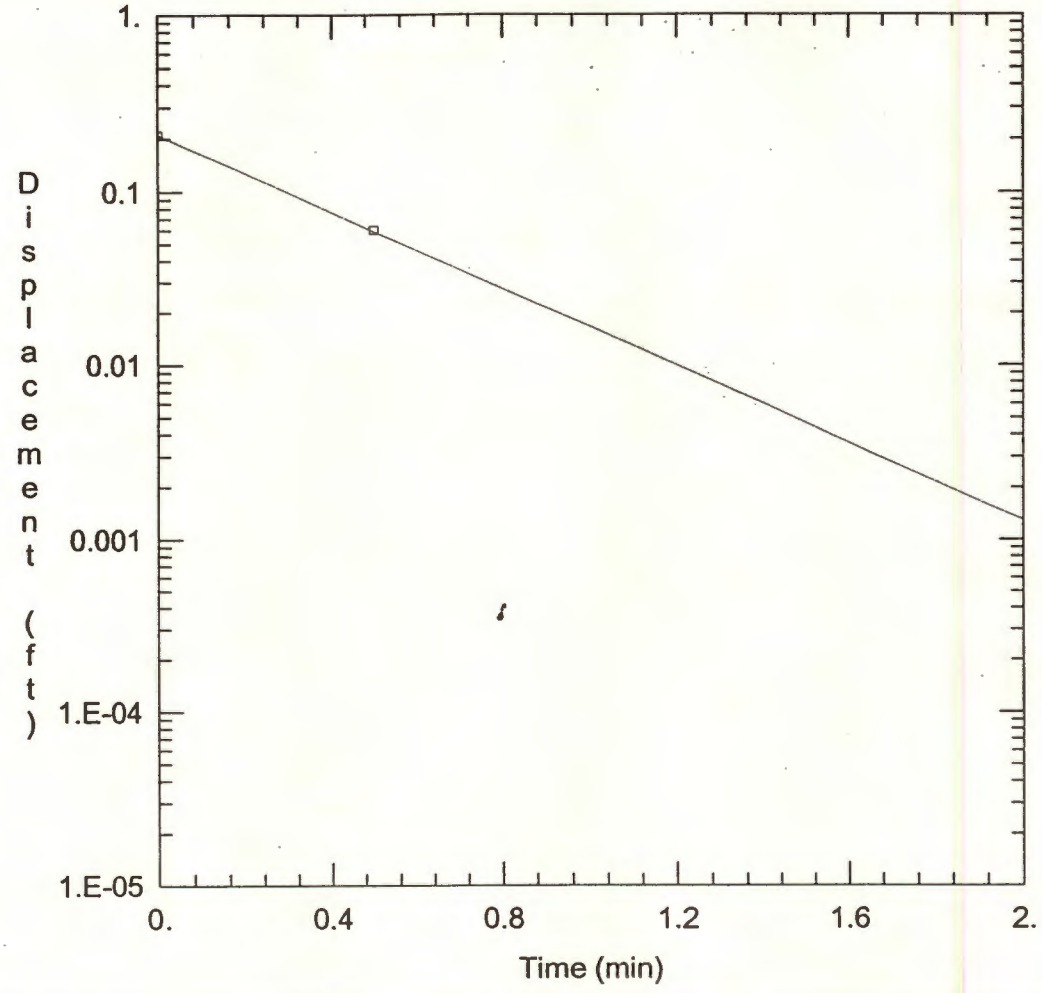
Saturated Thickness: 3.47 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 0.24 ft
Wellbore Radius: 0.33 ft
Screen Length: 12.5 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 3.47 ft

SOLUTION

Aquifer Model: Unconfined
K = 0.000168 ft/min
Solution Method: Hvorslev
y0 = 0.204 ft



RISING HEAD TEST MW-5

Data Set: N:\JOBS\1636602\data\SlugRisingTestMW-5.aqt
Date: 10/22/01 Time: 13:59:28

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-4
Test Date: 8-28-01

AQUIFER DATA

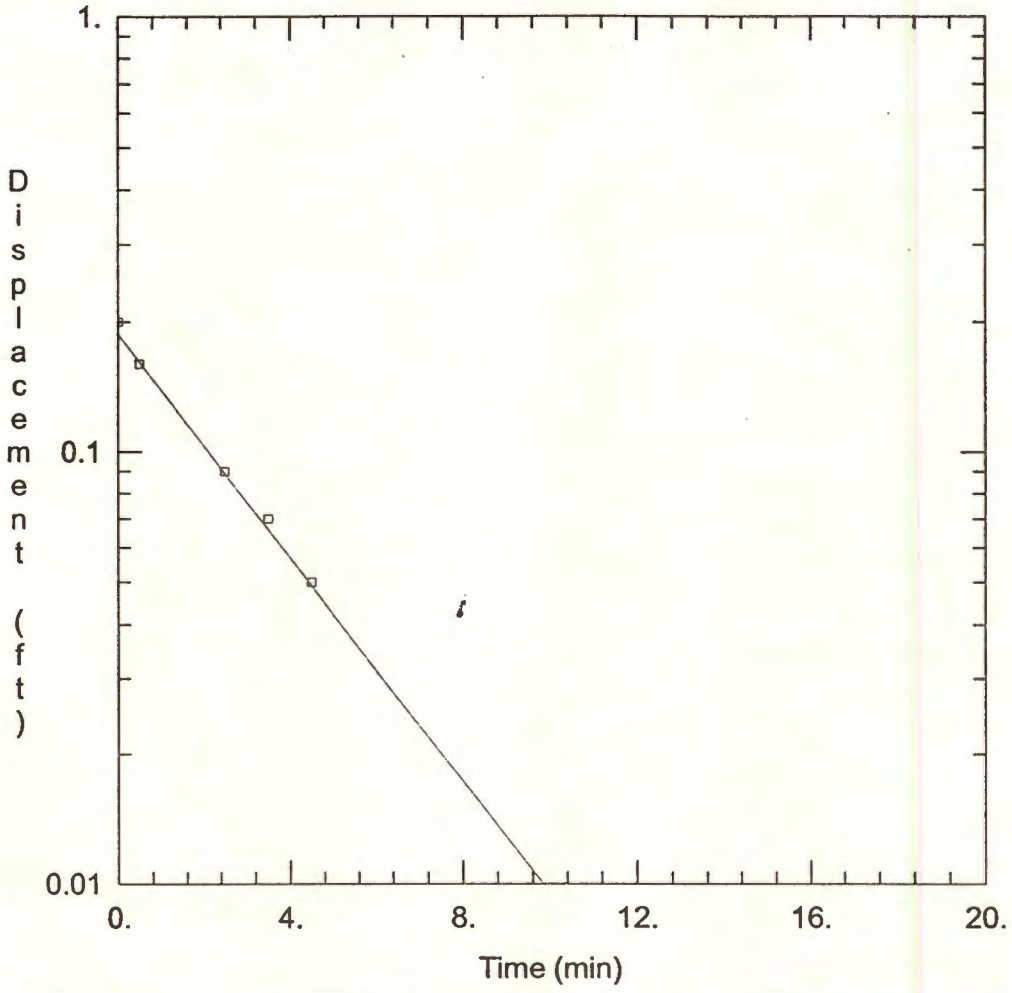
Saturated Thickness: 5.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-5)

Initial Displacement: 0.21 ft
Wellbore Radius: 0.33 ft
Screen Length: 12.7 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 5.5 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.002519 ft/min
y0 = 0.2102 ft



FALLING HEAD TEST MW-5

Data Set: N:\JOBS\1636602\data\SlugFallingTestMW-5.aqt
Date: 10/22/01 Time: 13:57:12

PROJECT INFORMATION

Company: Sear-Brown
Client: Former Brainerd Facility
Project: 1636602
Test Location: 115 N Washington St.
Test Well: MW-4
Test Date: 8-28-01

AQUIFER DATA

Saturated Thickness: 5.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-5)

Initial Displacement: 0.2 ft
Wellbore Radius: 0.33 ft
Screen Length: 12.7 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.33 ft
Total Well Penetration Depth: 5.5 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0002948 ft/min
y0 = 0.1875 ft

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7108
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-6, 1.2-2.8'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 6.89	Benzene	ND< 6.89
Bromomethane	ND< 6.89	Chlorobenzene	ND< 6.89
Bromoform	ND< 6.89	Ethylbenzene	ND< 6.89
Carbon tetrachloride	ND< 6.89	Toluene	ND< 6.89
Chloroethane	ND< 6.89	m,p - Xylene	ND< 6.89
Chloromethane	ND< 6.89	o - Xylene	ND< 6.89
2-Chloroethyl vinyl ether	ND< 6.89	Styrene	ND< 6.89
Chloroform	ND< 6.89		
Dibromochloromethane	ND< 6.89		
1,1-Dichloroethane	ND< 6.89		
1,2-Dichloroethane	ND< 6.89		
1,1-Dichloroethene	ND< 6.89		
cis-1,2-Dichloroethene	ND< 6.89		
trans-1,2-Dichloroethene	ND< 6.89	Ketones & Misc.	
1,2-Dichloropropane	ND< 6.89	Acetone	ND< 34.4
cis-1,3-Dichloropropene	ND< 6.89	Vinyl acetate	ND< 17.2
trans-1,3-Dichloropropene	ND< 6.89	2-Butanone	ND< 17.2
Methylene chloride	ND< 17.2	4-Methyl-2-pentanone	ND< 17.2
1,1,2,2-Tetrachloroethane	ND< 6.89	2-Hexanone	ND< 17.2
Tetrachloroethene	9.81	Carbon disulfide	ND< 17.2
1,1,1-Trichloroethane	ND< 6.89		
1,1,2-Trichloroethane	ND< 6.89		
Trichloroethene	8.24		
Vinyl Chloride	ND< 6.89		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7109
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-6, 2.8-4.0'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/09/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.37	Benzene	ND< 9.37
Bromomethane	ND< 9.37	Chlorobenzene	ND< 9.37
Bromoform	ND< 9.37	Ethylbenzene	ND< 9.37
Carbon tetrachloride	ND< 9.37	Toluene	ND< 9.37
Chloroethane	ND< 9.37	m,p - Xylene	ND< 9.37
Chloromethane	ND< 9.37	o - Xylene	ND< 9.37
2-Chloroethyl vinyl ether	ND< 9.37	Styrene	ND< 9.37
Chloroform	ND< 9.37		
Dibromochloromethane	ND< 9.37		
1,1-Dichloroethane	ND< 9.37		
1,2-Dichloroethane	ND< 9.37		
1,1-Dichloroethene	ND< 9.37		
cis-1,2-Dichloroethene	ND< 9.37		
trans-1,2-Dichloroethene	ND< 9.37	Ketones & Misc.	
1,2-Dichloropropane	ND< 9.37	Acetone	ND< 46.8
cis-1,3-Dichloropropene	ND< 9.37	Vinyl acetate	ND< 23.4
trans-1,3-Dichloropropene	ND< 9.37	2-Butanone	ND< 23.4
Methylene chloride	ND< 23.4	4-Methyl-2-pentanone	ND< 23.4
1,1,2,2-Tetrachloroethane	ND< 9.37	2-Hexanone	ND< 23.4
Tetrachloroethene	ND< 9.37	Carbon disulfide	ND< 23.4
1,1,1-Trichloroethane	ND< 9.37		
1,1,2-Trichloroethane	ND< 9.37		
Trichloroethene	ND< 9.37		
Vinyl Chloride	ND< 9.37		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-7, 2.4-2.8'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7110
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/09/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 476	Benzene	ND< 476
Bromomethane	ND< 476	Chlorobenzene	ND< 476
Bromoform	ND< 476	Ethylbenzene	ND< 476
Carbon tetrachloride	ND< 476	Toluene	ND< 476
Chloroethane	ND< 476	m,p - Xylene	ND< 476
Chloromethane	ND< 476	o - Xylene	ND< 476
2-Chloroethyl vinyl ether	ND< 476	Styrene	ND< 476
Chloroform	ND< 476		
Dibromochloromethane	ND< 476		
1,1-Dichloroethane	ND< 476		
1,2-Dichloroethane	ND< 476		
1,1-Dichloroethene	ND< 476		
cis-1,2-Dichloroethene	ND< 476		
trans-1,2-Dichloroethene	ND< 476	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 476	Acetone	ND< 2,380
cis-1,3-Dichloropropene	ND< 476	Vinyl acetate	ND< 1,190
trans-1,3-Dichloropropene	ND< 476	2-Butanone	ND< 1,190
Methylene chloride	ND< 1,190	4-Methyl-2-pentanone	ND< 1,190
1,1,2,2-Tetrachloroethane	ND< 476	2-Hexanone	ND< 1,190
Tetrachloroethene	20,600	Carbon disulfide	ND< 1,190
1,1,1-Trichloroethane	ND< 476		
1,1,2-Trichloroethane	ND< 476		
Trichloroethene	8,740		
Vinyl Chloride	ND< 476		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7111
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-7, 3.4-4.0'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 7.96	Benzene	ND< 7.96
Bromomethane	ND< 7.96	Chlorobenzene	ND< 7.96
Bromoform	ND< 7.96	Ethylbenzene	ND< 7.96
Carbon tetrachloride	ND< 7.96	Toluene	ND< 7.96
Chloroethane	ND< 7.96	m,p - Xylene	ND< 7.96
Chloromethane	ND< 7.96	o - Xylene	ND< 7.96
2-Chloroethyl vinyl ether	ND< 7.96	Styrene	ND< 7.96
Chloroform	ND< 7.96		
Dibromochloromethane	ND< 7.96		
1,1-Dichloroethane	ND< 7.96		
1,2-Dichloroethane	ND< 7.96		
1,1-Dichloroethene	ND< 7.96		
cis-1,2-Dichloroethene	ND< 7.96		
trans-1,2-Dichloroethene	ND< 7.96	Ketones & Misc.	
1,2-Dichloropropane	ND< 7.96	Acetone	ND< 39.8
cis-1,3-Dichloropropene	ND< 7.96	Vinyl acetate	ND< 19.9
trans-1,3-Dichloropropene	ND< 7.96	2-Butanone	ND< 19.9
Methylene chloride	ND< 19.9	4-Methyl-2-pentanone	ND< 19.9
1,1,2,2-Tetrachloroethane	ND< 7.96	2-Hexanone	ND< 19.9
Tetrachloroethene	ND< 7.96	Carbon disulfide	ND< 19.9
1,1,1-Trichloroethane	ND< 7.96		
1,1,2-Trichloroethane	ND< 7.96		
Trichloroethene	ND< 7.96		
Vinyl Chloride	ND< 7.96		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7112
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-8, 2.0-2.8'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 150	Benzene	ND< 150
Bromomethane	ND< 150	Chlorobenzene	ND< 150
Bromoform	ND< 150	Ethylbenzene	ND< 150
Carbon tetrachloride	ND< 150	Toluene	ND< 150
Chloroethane	ND< 150	m,p - Xylene	ND< 150
Chloromethane	ND< 150	o - Xylene	ND< 150
2-Chloroethyl vinyl ether	ND< 150	Styrene	ND< 150
Chloroform	ND< 150		
Dibromochloromethane	ND< 150		
1,1-Dichloroethane	ND< 150		
1,2-Dichloroethane	ND< 150		
1,1-Dichloroethene	ND< 150		
cis-1,2-Dichloroethene	ND< 150		
trans-1,2-Dichloroethene	ND< 150	Ketones & Misc.	
1,2-Dichloropropane	ND< 150	Acetone	ND< 749
cis-1,3-Dichloropropene	ND< 150	Vinyl acetate	ND< 374
trans-1,3-Dichloropropene	ND< 150	2-Butanone	ND< 374
Methylene chloride	ND< 374	4-Methyl-2-pentanone	ND< 374
1,1,2,2-Tetrachloroethane	ND< 150	2-Hexanone	ND< 374
Tetrachloroethene	11,100	Carbon disulfide	ND< 374
1,1,1-Trichloroethane	ND< 150		
1,1,2-Trichloroethane	ND< 150		
Trichloroethene	6,570		
Vinyl Chloride	ND< 150		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-8, 3.5-4.0'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7113
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 7.59	Benzene	ND< 7.59
Bromomethane	ND< 7.59	Chlorobenzene	ND< 7.59
Bromoform	ND< 7.59	Ethylbenzene	ND< 7.59
Carbon tetrachloride	ND< 7.59	Toluene	ND< 7.59
Chloroethane	ND< 7.59	m,p - Xylene	ND< 7.59
Chloromethane	ND< 7.59	o - Xylene	ND< 7.59
2-Chloroethyl vinyl ether	ND< 7.59	Styrene	ND< 7.59
Chloroform	ND< 7.59		
Dibromochloromethane	ND< 7.59		
1,1-Dichloroethane	ND< 7.59		
1,2-Dichloroethane	ND< 7.59		
1,1-Dichloroethene	ND< 7.59		
cis-1,2-Dichloroethene	ND< 7.59		
trans-1,2-Dichloroethene	ND< 7.59	Ketones & Misc.	
1,2-Dichloropropane	ND< 7.59	Acetone	ND< 37.9
cis-1,3-Dichloropropene	ND< 7.59	Vinyl acetate	ND< 19.0
trans-1,3-Dichloropropene	ND< 7.59	2-Butanone	ND< 19.0
Methylene chloride	ND< 19.0	4-Methyl-2-pentanone	ND< 19.0
1,1,2,2-Tetrachloroethane	ND< 7.59	2-Hexanone	ND< 19.0
Tetrachloroethene	18.1	Carbon disulfide	ND< 19.0
1,1,1-Trichloroethane	ND< 7.59		
1,1,2-Trichloroethane	ND< 7.59		
Trichloroethene	ND< 7.59		
Vinyl Chloride	ND< 7.59		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7114
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-9, 2.5-3.0'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.55	Benzene	ND< 9.55
Bromomethane	ND< 9.55	Chlorobenzene	ND< 9.55
Bromoform	ND< 9.55	Ethylbenzene	ND< 9.55
Carbon tetrachloride	ND< 9.55	Toluene	ND< 9.55
Chloroethane	ND< 9.55	m,p - Xylene	ND< 9.55
Chloromethane	ND< 9.55	o - Xylene	ND< 9.55
2-Chloroethyl vinyl ether	ND< 9.55	Styrene	ND< 9.55
Chloroform	ND< 9.55		
Dibromochloromethane	ND< 9.55		
1,1-Dichloroethane	ND< 9.55		
1,2-Dichloroethane	ND< 9.55		
1,1-Dichloroethene	ND< 9.55		
cis-1,2-Dichloroethene	ND< 9.55		
trans-1,2-Dichloroethene	ND< 9.55	Ketones & Misc.	
1,2-Dichloropropane	ND< 9.55	Acetone	ND< 47.8
cis-1,3-Dichloropropene	ND< 9.55	Vinyl acetate	ND< 23.9
trans-1,3-Dichloropropene	ND< 9.55	2-Butanone	ND< 23.9
Methylene chloride	ND< 23.9	4-Methyl-2-pentanone	ND< 23.9
1,1,2,2-Tetrachloroethane	ND< 9.55	2-Hexanone	ND< 23.9
Tetrachloroethene	226	Carbon disulfide	ND< 23.9
1,1,1-Trichloroethane	ND< 9.55		
1,1,2-Trichloroethane	ND< 9.55		
Trichloroethene	109		
Vinyl Chloride	ND< 9.55		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913V7.XLS

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7115
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-9, 3.5-4.0'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.85	Benzene	ND< 9.85
Bromomethane	ND< 9.85	Chlorobenzene	ND< 9.85
Bromoform	ND< 9.85	Ethylbenzene	ND< 9.85
Carbon tetrachloride	ND< 9.85	Toluene	ND< 9.85
Chloroethane	ND< 9.85	m,p - Xylene	ND< 9.85
Chloromethane	ND< 9.85	o - Xylene	ND< 9.85
2-Chloroethyl vinyl ether	ND< 9.85	Styrene	ND< 9.85
Chloroform	ND< 9.85		
Dibromochloromethane	ND< 9.85		
1,1-Dichloroethane	ND< 9.85		
1,2-Dichloroethane	ND< 9.85		
1,1-Dichloroethene	ND< 9.85		
cis-1,2-Dichloroethene	ND< 9.85		
trans-1,2-Dichloroethene	ND< 9.85	Ketones & Misc.	
1,2-Dichloropropane	ND< 9.85	Acetone	ND< 49.3
cis-1,3-Dichloropropene	ND< 9.85	Vinyl acetate	ND< 24.6
trans-1,3-Dichloropropene	ND< 9.85	2-Butanone	ND< 24.6
Methylene chloride	ND< 24.6	4-Methyl-2-pentanone	ND< 24.6
1,1,2,2-Tetrachloroethane	ND< 9.85	2-Hexanone	ND< 24.6
Tetrachloroethene	620	Carbon disulfide	ND< 24.6
1,1,1-Trichloroethane	ND< 9.85		
1,1,2-Trichloroethane	ND< 9.85		
Trichloroethene	295		
Vinyl Chloride	ND< 9.85		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913V8.XLS

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-10, 2.0-2.8'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7116
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 107
Bromomethane	ND< 107
Bromoform	ND< 107
Carbon tetrachloride	ND< 107
Chloroethane	ND< 107
Chloromethane	ND< 107
2-Chloroethyl vinyl ether	ND< 107
Chloroform	ND< 107
Dibromochloromethane	ND< 107
1,1-Dichloroethane	ND< 107
1,2-Dichloroethane	ND< 107
1,1-Dichloroethene	ND< 107
cis-1,2-Dichloroethene	ND< 107
trans-1,2-Dichloroethene	ND< 107
1,2-Dichloropropane	ND< 107
cis-1,3-Dichloropropene	ND< 107
trans-1,3-Dichloropropene	ND< 107
Methylene chloride	ND< 269
1,1,2,2-Tetrachloroethane	ND< 107
Tetrachloroethene	5,780
1,1,1-Trichloroethane	ND< 107
1,1,2-Trichloroethane	ND< 107
Trichloroethene	5,410
Vinyl Chloride	ND< 107

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 107
Chlorobenzene	ND< 107
Ethylbenzene	ND< 107
Toluene	ND< 107
m,p - Xylene	ND< 107
o - Xylene	ND< 107
Styrene	ND< 107
Ketones & Misc.	
Acetone	ND< 537
Vinyl acetate	ND< 269
2-Butanone	ND< 269
4-Methyl-2-pentanone	ND< 269
2-Hexanone	ND< 269
Carbon disulfide	ND< 269

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7117
Client Job Site:	115 N. Washington	**Sample Type:**	Soil
Client Job No:	1636602	**Date Sampled:**	08/01/01
Field Location:	SC-10, 3.5-4.0'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.74
Bromomethane	ND< 8.74
Bromoform	ND< 8.74
Carbon tetrachloride	ND< 8.74
Chloroethane	ND< 8.74
Chloromethane	ND< 8.74
2-Chloroethyl vinyl ether	ND< 8.74
Chloroform	ND< 8.74
Dibromochloromethane	ND< 8.74
1,1-Dichloroethane	ND< 8.74
1,2-Dichloroethane	ND< 8.74
1,1-Dichloroethene	ND< 8.74
cis-1,2-Dichloroethene	ND< 8.74
trans-1,2-Dichloroethene	ND< 8.74
1,2-Dichloropropane	ND< 8.74
cis-1,3-Dichloropropene	ND< 8.74
trans-1,3-Dichloropropene	ND< 8.74
Methylene chloride	ND< 21.8
1,1,2,2-Tetrachloroethane	ND< 8.74
Tetrachloroethene	125
1,1,1-Trichloroethane	ND< 8.74
1,1,2-Trichloroethane	ND< 8.74
Trichloroethene	115
Vinyl Chloride	ND< 8.74

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 8.74
Chlorobenzene	ND< 8.74
Ethylbenzene	ND< 8.74
Toluene	ND< 8.74
m,p - Xylene	ND< 8.74
o - Xylene	ND< 8.74
Styrene	ND< 8.74
Ketones & Misc.	
Acetone	ND< 43.7
Vinyl acetate	ND< 21.8
2-Butanone	ND< 21.8
4-Methyl-2-pentanone	ND< 21.8
2-Hexanone	ND< 21.8
Carbon disulfide	ND< 21.8

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-11, 2.5-3.2'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7118
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 214
Bromomethane	ND< 214
Bromoform	ND< 214
Carbon tetrachloride	ND< 214
Chloroethane	ND< 214
Chloromethane	ND< 214
2-Chloroethyl vinyl ether	ND< 214
Chloroform	ND< 214
Dibromochloromethane	ND< 214
1,1-Dichloroethane	ND< 214
1,2-Dichloroethane	ND< 214
1,1-Dichloroethene	ND< 214
cis-1,2-Dichloroethene	ND< 214
trans-1,2-Dichloroethene	ND< 214
1,2-Dichloropropane	ND< 214
cis-1,3-Dichloropropene	ND< 214
trans-1,3-Dichloropropene	ND< 214
Methylene chloride	ND< 535
1,1,2,2-Tetrachloroethane	ND< 214
Tetrachloroethene	11,400
1,1,1-Trichloroethane	ND< 214
1,1,2-Trichloroethane	ND< 214
Trichloroethene	6,940
Vinyl Chloride	ND< 214

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 214
Chlorobenzene	ND< 214
Ethylbenzene	ND< 214
Toluene	ND< 214
m,p - Xylene	ND< 214
o - Xylene	ND< 214
Styrene	ND< 214
Ketones & Misc.	
Acetone	ND< 1,070
Vinyl acetate	ND< 535
2-Butanone	ND< 535
4-Methyl-2-pentanone	ND< 535
2-Hexanone	ND< 535
Carbon disulfide	ND< 535

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7119
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-12, 1.0-2.5'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1	Benzene	ND< 10.1
Bromomethane	ND< 10.1	Chlorobenzene	ND< 10.1
Bromoform	ND< 10.1	Ethylbenzene	ND< 10.1
Carbon tetrachloride	ND< 10.1	Toluene	ND< 10.1
Chloroethane	ND< 10.1	m,p - Xylene	ND< 10.1
Chloromethane	ND< 10.1	o - Xylene	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1	Styrene	ND< 10.1
Chloroform	ND< 10.1		
Dibromochloromethane	ND< 10.1		
1,1-Dichloroethane	ND< 10.1		
1,2-Dichloroethane	ND< 10.1		
1,1-Dichloroethene	ND< 10.1		
cis-1,2-Dichloroethene	ND< 10.1		
trans-1,2-Dichloroethene	ND< 10.1	Ketones & Misc.	
1,2-Dichloropropane	ND< 10.1	Acetone	ND< 50.3
cis-1,3-Dichloropropene	ND< 10.1	Vinyl acetate	ND< 25.1
trans-1,3-Dichloropropene	ND< 10.1	2-Butanone	ND< 25.1
Methylene chloride	ND< 25.1	4-Methyl-2-pentanone	ND< 25.1
1,1,2,2-Tetrachloroethane	ND< 10.1	2-Hexanone	ND< 25.1
Tetrachloroethene	108	Carbon disulfide	ND< 25.1
1,1,1-Trichloroethane	ND< 10.1		
1,1,2-Trichloroethane	ND< 10.1		
Trichloroethene	47.9		
Vinyl Chloride	ND< 10.1		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913W3.XLS

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-13, 2.0-2.5'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7120
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 191	Benzene	ND< 191
Bromomethane	ND< 191	Chlorobenzene	ND< 191
Bromoform	ND< 191	Ethylbenzene	ND< 191
Carbon tetrachloride	ND< 191	Toluene	ND< 191
Chloroethane	ND< 191	m,p - Xylene	ND< 191
Chloromethane	ND< 191	o - Xylene	ND< 191
2-Chloroethyl vinyl ether	ND< 191	Styrene	ND< 191
Chloroform	ND< 191		
Dibromochloromethane	ND< 191		
1,1-Dichloroethane	ND< 191		
1,2-Dichloroethane	ND< 191		
1,1-Dichloroethene	ND< 191		
cis-1,2-Dichloroethene	ND< 191		
trans-1,2-Dichloroethene	ND< 191	Ketones & Misc.	
1,2-Dichloropropane	ND< 191	Acetone	ND< 953
cis-1,3-Dichloropropene	ND< 191	Vinyl acetate	ND< 477
trans-1,3-Dichloropropene	ND< 191	2-Butanone	ND< 477
Methylene chloride	ND< 477	4-Methyl-2-pentanone	ND< 477
1,1,2,2-Tetrachloroethane	ND< 191	2-Hexanone	ND< 477
Tetrachloroethene	14,600	Carbon disulfide	ND< 477
1,1,1-Trichloroethane	ND< 191		
1,1,2-Trichloroethane	ND< 191		
Trichloroethene	5,580		
Vinyl Chloride	ND< 191		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-1913
		Lab Sample No:	7121
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/01/01
Field Location:	SC-13, 3.5-4.0'	**Date Received:**	08/03/01
Field ID No:	N/A	**Date Analyzed:**	08/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 7.82	Benzene	ND< 7.82
Bromomethane	ND< 7.82	Chlorobenzene	ND< 7.82
Bromoform	ND< 7.82	Ethylbenzene	ND< 7.82
Carbon tetrachloride	ND< 7.82	Toluene	ND< 7.82
Chloroethane	ND< 7.82	m,p - Xylene	ND< 7.82
Chloromethane	ND< 7.82	o - Xylene	ND< 7.82
2-Chloroethyl vinyl ether	ND< 7.82	Styrene	ND< 7.82
Chloroform	ND< 7.82		
Dibromochloromethane	ND< 7.82		
1,1-Dichloroethane	ND< 7.82		
1,2-Dichloroethane	ND< 7.82		
1,1-Dichloroethene	ND< 7.82		
cis-1,2-Dichloroethene	ND< 7.82		
trans-1,2-Dichloroethene	ND< 7.82	Ketones & Misc.	
1,2-Dichloropropane	ND< 7.82	Acetone	44.7
cis-1,3-Dichloropropene	ND< 7.82	Vinyl acetate	ND< 19.6
trans-1,3-Dichloropropene	ND< 7.82	2-Butanone	ND< 19.6
Methylene chloride	ND< 19.6	4-Methyl-2-pentanone	ND< 19.6
1,1,2,2-Tetrachloroethane	ND< 7.82	2-Hexanone	ND< 19.6
Tetrachloroethene	98.7	Carbon disulfide	ND< 19.6
1,1,1-Trichloroethane	ND< 7.82		
1,1,2-Trichloroethane	ND< 7.82		
Trichloroethene	30.0		
Vinyl Chloride	ND< 7.82		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913W5.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-14, 2.0-3.0'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7122
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 81.9	Benzene	ND< 81.9
Bromomethane	ND< 81.9	Chlorobenzene	ND< 81.9
Bromoform	ND< 81.9	Ethylbenzene	ND< 81.9
Carbon tetrachloride	ND< 81.9	Toluene	ND< 81.9
Chloroethane	ND< 81.9	m,p - Xylene	ND< 81.9
Chloromethane	ND< 81.9	o - Xylene	ND< 81.9
2-Chloroethyl vinyl ether	ND< 81.9	Styrene	ND< 81.9
Chloroform	ND< 81.9		
Dibromochloromethane	ND< 81.9		
1,1-Dichloroethane	ND< 81.9		
1,2-Dichloroethane	ND< 81.9		
1,1-Dichloroethene	ND< 81.9		
cis-1,2-Dichloroethene	ND< 81.9		
trans-1,2-Dichloroethene	ND< 81.9	Ketones & Misc.	
1,2-Dichloropropane	ND< 81.9	Acetone	ND< 410
cis-1,3-Dichloropropene	ND< 81.9	Vinyl acetate	ND< 205
trans-1,3-Dichloropropene	ND< 81.9	2-Butanone	ND< 205
Methylene chloride	ND< 205	4-Methyl-2-pentanone	ND< 205
1,1,2,2-Tetrachloroethane	ND< 81.9	2-Hexanone	ND< 205
Tetrachloroethene	2,600	Carbon disulfide	ND< 205
1,1,1-Trichloroethane	ND< 81.9		
1,1,2-Trichloroethane	ND< 81.9		
Trichloroethene	2,740		
Vinyl Chloride	ND< 81.9		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011913w6.xls

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-16, 2.0-2.5'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7123
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 111
Bromomethane	ND< 111
Bromoform	ND< 111
Carbon tetrachloride	ND< 111
Chloroethane	ND< 111
Chloromethane	ND< 111
2-Chloroethyl vinyl ether	ND< 111
Chloroform	ND< 111
Dibromochloromethane	ND< 111
1,1-Dichloroethane	ND< 111
1,2-Dichloroethane	ND< 111
1,1-Dichloroethene	ND< 111
cis-1,2-Dichloroethene	ND< 111
trans-1,2-Dichloroethene	ND< 111
1,2-Dichloropropane	ND< 111
cis-1,3-Dichloropropene	ND< 111
trans-1,3-Dichloropropene	ND< 111
Methylene chloride	ND< 279
1,1,2,2-Tetrachloroethane	ND< 111
Tetrachloroethene	6,680
1,1,1-Trichloroethane	ND< 111
1,1,2-Trichloroethane	ND< 111
Trichloroethene	2,700
Vinyl Chloride	ND< 111

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 111
Chlorobenzene	ND< 111
Ethylbenzene	ND< 111
Toluene	ND< 111
m,p - Xylene	ND< 111
o - Xylene	ND< 111
Styrene	ND< 111
Ketones & Misc.	
Acetone	ND< 557
Vinyl acetate	ND< 279
2-Butanone	ND< 279
4-Methyl-2-pentanone	ND< 279
2-Hexanone	ND< 279
Carbon disulfide	ND< 279

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-16, 3.5-4.0'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7124
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 194	Benzene	ND< 194
Bromomethane	ND< 194	Chlorobenzene	ND< 194
Bromoform	ND< 194	Ethylbenzene	ND< 194
Carbon tetrachloride	ND< 194	Toluene	ND< 194
Chloroethane	ND< 194	m,p - Xylene	ND< 194
Chloromethane	ND< 194	o - Xylene	ND< 194
2-Chloroethyl vinyl ether	ND< 194	Styrene	ND< 194
Chloroform	ND< 194		
Dibromochloromethane	ND< 194		
1,1-Dichloroethane	ND< 194		
1,2-Dichloroethane	ND< 194		
1,1-Dichloroethene	ND< 194		
cis-1,2-Dichloroethene	ND< 194		
trans-1,2-Dichloroethene	ND< 194	Ketones & Misc.	
1,2-Dichloropropane	ND< 194	Acetone	ND< 971
cis-1,3-Dichloropropene	ND< 194	Vinyl acetate	ND< 486
trans-1,3-Dichloropropene	ND< 194	2-Butanone	ND< 486
Methylene chloride	ND< 486	4-Methyl-2-pentanone	ND< 486
1,1,2,2-Tetrachloroethane	ND< 194	2-Hexanone	ND< 486
Tetrachloroethene	11,300	Carbon disulfide	ND< 486
1,1,1-Trichloroethane	ND< 194		
1,1,2-Trichloroethane	ND< 194		
Trichloroethene	ND< 194		
Vinyl Chloride	ND< 194		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: Sear-Brown
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: SC-17, 0.5-3.0'
Field ID No: N/A

Lab Project No: 01-1913
Lab Sample No: 7125
Sample Type: Soil
Date Sampled: 08/01/01
Date Received: 08/03/01
Date Analyzed: 08/15/01 & 08/16/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 24.8	Benzene	ND< 24.8
Bromomethane	ND< 24.8	Chlorobenzene	ND< 24.8
Bromoform	ND< 24.8	Ethylbenzene	ND< 24.8
Carbon tetrachloride	ND< 24.8	Toluene	ND< 24.8
Chloroethane	ND< 24.8	m,p - Xylene	ND< 24.8
Chloromethane	ND< 24.8	o - Xylene	ND< 24.8
2-Chloroethyl vinyl ether	ND< 24.8	Styrene	ND< 24.8
Chloroform	ND< 24.8		
Dibromochloromethane	ND< 24.8		
1,1-Dichloroethane	ND< 24.8		
1,2-Dichloroethane	ND< 24.8		
1,1-Dichloroethene	ND< 24.8		
cis-1,2-Dichloroethene	ND< 24.8		
trans-1,2-Dichloroethene	ND< 24.8	Ketones & Misc.	
1,2-Dichloropropane	ND< 24.8	Acetone	ND< 124
cis-1,3-Dichloropropene	ND< 24.8	Vinyl acetate	ND< 61.9
trans-1,3-Dichloropropene	ND< 24.8	2-Butanone	ND< 61.9
Methylene chloride	ND< 61.9	4-Methyl-2-pentanone	ND< 61.9
1,1,2,2-Tetrachloroethane	ND< 24.8	2-Hexanone	ND< 61.9
Tetrachloroethene	532	Carbon disulfide	ND< 61.9
1,1,1-Trichloroethane	ND< 24.8		
1,1,2-Trichloroethane	ND< 24.8		
Trichloroethene	1,400		
Vinyl Chloride	ND< 24.8		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-6, 1.2-2.8'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7108
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	127
Copper	08/08/2001	SW846 6010	899
Nickel	08/08/2001	SW846 6010	20.6
Zinc	08/08/2001	SW846 6010	779

ELAP ID No.:10958

Comments:

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Laboratory Director

File ID: 011913

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-6, 2.8-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7109

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	45.2
Copper	08/08/2001	SW846 6010	1180
Nickel	08/08/2001	SW846 6010	40.5
Zinc	08/08/2001	SW846 6010	542

ELAP ID No.:10958

Comments:

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Laboratory Director

File ID: 011913

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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-7, 2.4-2.8'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7110

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	15.8
Copper	08/08/2001	SW846 6010	29300
Nickel	08/08/2001	SW846 6010	39.7
Zinc	08/08/2001	SW846 6010	7830

ELAP ID No.:10958

Comments:

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Laboratory Director

File ID: 011913

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Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-7, 3.4-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7111

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	20.9
Copper	08/08/2001	SW846 6010	57.5
Nickel	08/08/2001	SW846 6010	17.9
Zinc	08/08/2001	SW846 6010	59.7

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-8, 2.0-2.8'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7112
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	30.1
Copper	08/08/2001	SW846 6010	6710
Nickel	08/08/2001	SW846 6010	66.0
Zinc	08/08/2001	SW846 6010	3010

ELAP ID No.:10958

Comments:

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File ID: 011913

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Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-8, 3.5-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7113
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	17.9
Copper	08/08/2001	SW846 6010	42.8
Nickel	08/08/2001	SW846 6010	13.6
Zinc	08/08/2001	SW846 6010	50.2

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-9, 2.5-3.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7114

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	15.8
Copper	08/08/2001	SW846 6010	863
Nickel	08/08/2001	SW846 6010	23.2
Zinc	08/08/2001	SW846 6010	459

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-9, 3.5-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7115

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	13.4
Copper	08/08/2001	SW846 6010	1090
Nickel	08/08/2001	SW846 6010	19.8
Zinc	08/08/2001	SW846 6010	512

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-10, 2.0-2.8'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7116

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	36.6
Copper	08/08/2001	SW846 6010	4680
Nickel	08/08/2001	SW846 6010	158
Zinc	08/08/2001	SW846 6010	1180

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-10, 3.5-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7117

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	14.8
Copper	08/08/2001	SW846 6010	2120
Nickel	08/08/2001	SW846 6010	39.3
Zinc	08/08/2001	SW846 6010	588

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-13, 2.0-2.5'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7120

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	18.0
Copper	08/08/2001	SW846 6010	910
Nickel	08/08/2001	SW846 6010	25.5
Zinc	08/08/2001	SW846 6010	298

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-11, 2.5-3.2'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7118
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	90.5
Copper	08/08/2001	SW846 6010	14000
Nickel	08/08/2001	SW846 6010	363
Zinc	08/08/2001	SW846 6010	5680

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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Environmental Services, Inc.
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Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-13, 3.5-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7121
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	20.5
Copper	08/08/2001	SW846 6010	14.0
Nickel	08/08/2001	SW846 6010	14.1
Zinc	08/08/2001	SW846 6010	33.8

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-12, 1.0-2.5'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7119

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	8.45
Copper	08/08/2001	SW846 6010	59.5
Nickel	08/08/2001	SW846 6010	11.1
Zinc	08/08/2001	SW846 6010	84.0

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-14, 2.0-3.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7122
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	27.1
Copper	08/08/2001	SW846 6010	5190
Nickel	08/08/2001	SW846 6010	103
Zinc	08/08/2001	SW846 6010	2120

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-16, 2.0-2.5'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7123

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	13.4
Copper	08/08/2001	SW846 6010	4920
Nickel	08/08/2001	SW846 6010	22.9
Zinc	08/08/2001	SW846 6010	639

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: SC-16, 3.5-4.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7124

Sample Type: Soil

Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	15.6
Copper	08/08/2001	SW846 6010	5.80
Nickel	08/08/2001	SW846 6010	11.3
Zinc	08/08/2001	SW846 6010	30.0

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Sear Brown
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: SC-17, 0.5-3.0'
Field ID No.: N/A

Lab Project No.: 01-1913
Lab Sample No.: 7125
Sample Type: Soil
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/08/2001	SW846 6010	67.3
Copper	08/08/2001	SW846 6010	2400
Nickel	08/08/2001	SW846 6010	99.6
Zinc	08/08/2001	SW846 6010	1420

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011913

PARADIGM
Environmental
Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear Brown Group
Client Job Site: 115 N. Washington

Client Job No.: 1636602

Lab Project No.: 01-1913

Sample Type: Soil
Analytical Method: EPA 9012
Date Sampled: 08/01/2001
Date Received: 08/03/2001

Lab Sample ID.	Field Location/ Sample ID.	Date Analyzed	Total Cyanide (mg/kg)
7108	SC-6, 1.2-2.8'	8/10/2001	1.8
7109	SC-6, 2.8-4.0'	8/10/2001	ND<1
7110	SC-7, 2.4-2.8'	8/10/2001	ND<1
7111	SC-7, 3.4-4.0'	8/10/2001	ND<1
7112	SC-8, 2.0-2.8'	8/10/2001	ND<1
7113	SC-8, 3.5-4.0'	8/10/2001	ND<1
7114	SC-9, 2.5-3.0'	8/10/2001	ND<1
7115	SC-9, 3.5-4.0'	8/10/2001	ND<1
7116	SC-10, 2.0-2.8'	8/10/2001	ND<1
7117	SC-10, 3.5-4.0'	8/10/2001	ND<1
7118	SC-11, 2.5-3.2'	8/10/2001	2.6
7119	SC-12, 1.0-2.5'	8/10/2001	ND<1
7120	SC-13, 2.0-2.5'	8/10/2001	ND<1
7121	SC-13, 3.5-4.0'	8/10/2001	ND<1
7122	SC-14, 2.0-3.0'	8/10/2001	ND<1
7123	SC-16, 2.0-2.5'	8/10/2001	ND<1
7124	SC-16, 3.5-4.0'	8/10/2001	ND<1
7125	SC-17, 0.5-3.0'	8/10/2001	ND<1

ELAP ID No. 10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: MulSamTCyanide01-1913.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

page 1 of 2

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY: SEAR-BROWN		COMPANY: Same		LAB PROJECT #: 01-1913	CLIENT PROJECT #: 1636602
ADDRESS: 85 Metro Park		ADDRESS:		TURNAROUND TIME: (WORKING DAYS) 10	
CITY: Rochester STATE: NY ZIP: 14623		CITY: STATE: ZIP:			
PHONE: 475-1440	FAX: 424-5951	PHONE:	FAX:	1 ☐ 2 ☐ 3 ☐ 5 ☐ (STD)	OTHER ☒
ATTN: Mike Storonsky		ATTN:			
COMMENTS:					

PROJECT NAME/SITE NAME: 115 N. Washington

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260	Cr, Cu, Ni, Zn, CN (total)	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/1/01	900		✓	SC-6, 1.2-2.8'	S	2	X	X		7108
2	↓	900		↓	SC-6, 2.8-4.0'	↓	↓	↓	↓		7109
3	↓	930		↓	SC-7, 2.4-2.8'	↓	↓	↓	↓		7110
4	↓	930		↓	SC-7, 3.4-4.0'	↓	↓	↓	↓		7111
5	↓	1030		↓	SC-8, 2.0-2.8'	↓	↓	↓	↓		7112
6	↓	1030		↓	SC-8, 3.5-4.0'	↓	↓	↓	↓		7113
7	↓	1100		↓	SC-9, 2.5-3.0'	↓	↓	↓	↓		7114
8	↓	1100		↓	SC-9, 3.5-4.0'	↓	↓	↓	↓		7115
9	↓	1130		↓	SC-10, 2.0-2.8'	↓	↓	↓	↓		7116
10	↓	1130		✓	SC-10, 3.5-4.0'	↓	↓	↓	↓		7117

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☑ PRESERVATIONS: ☑ HOLDING TIME: ☑ TEMPERATURE: ☑ 14

Sampled By: [signature]	Date/Time: 8/1/01 1600	Relinquished By:	Date/Time:	Total Cost:
Relinquished By: [signature]	Date/Time:	Received By:	Date/Time:	
Received By: [signature]	Date/Time: 8/2/01 1630	Received @ Lab By: [signature]	Date/Time: 8/3/01 @ 9:40	P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

Page 2 of 2

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:
COMPANY: Sear-Brown	COMPANY: -Same
ADDRESS: 85 Metro Park	ADDRESS:
CITY: Rochester STATE: NY ZIP: 14623	CITY: STATE: ZIP:
PHONE: 475-1440 FAX:	PHONE: FAX:
ATTN:	ATTN:
COMMENTS:	

LAB PROJECT #: 01-1913

CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS) 10

STD ☐ 1 ☐ 2 ☐ 3 ☐ 5 OTHER ☒

PROJECT NAME/SITE NAME: 115 N. Washington

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260	Cr, Cu, Ni, Zn, CN (total)	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8-1-01	1200		✓	SC-11, 2.5-3.2'	S	2	X	X		71188
2		1300			SC-12, 1.0-2.5'						71189
3		1330			SC-13, 2.0-2.5'						71201
4		1330			SC-13, 3.5-4.0'						71211
5		1400			SC-14, 2.0-3.0'						71222
6		1430			SC-16, 2.0-2.5'						71233
7		1430			SC-16, 3.5-4.0'						71244
8	↓	1500		↓	SC-17, 0.5-3.0'	↓	↓	↓	↓		71255
9	↓			↓	—						
10	↓			↓	—						

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐ 14

Sampled By: Pete Smith Date/Time: 8/1/01 1600

Relinquished By: Pete Smith Date/Time:

Received By: [signature] Date/Time: 8/2/01 1650

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: [signature] Date/Time: 8/3/01 @ 9:35

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-2058
		Lab Sample No:	7638
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/15/01
Field Location:	MW-4, S-1, 0.5-1.7'	**Date Received:**	08/17/01
Field ID No:	N/A	**Date Analyzed:**	08/23/01

VOLATILE HALOCARBONS	RESULTS (ug/kg)	VOLATILE AROMATICS	RESULTS (ug/kg)
Bromodichloromethane	ND< 5	Benzene	ND< 5
Bromomethane	ND< 10	Chlorobenzene	ND< 5
Bromoform	ND< 5	Ethylbenzene	ND< 5
Carbon tetrachloride	ND< 5	Toluene	ND< 5
Chloroethane	ND< 10	Xylenes, Total	ND< 5
Chloromethane	ND< 10		
2-Chloroethyl vinyl ether	ND< 10		
Chloroform	ND< 5		
Dibromochloromethane	ND< 5		
1,1-Dichloroethane	ND< 5		
1,2-Dichloroethane	ND< 5		
1,1-Dichloroethene	ND< 5		
Total-1,2-Dichloroethene	ND< 5		
1,2-Dichloropropane	ND< 5		
cis-1,3-Dichloropropene	ND< 5	Ketones & Misc.	
trans-1,3-Dichloropropene	ND< 5	Acetone	ND< 10
Methylene chloride	ND< 5	Vinyl acetate	ND< 10
1,1,2,2-Tetrachloroethane	ND< 5	2-Butanone	ND< 10
Tetrachloroethene	ND< 5	4-Methyl-2-pentanone	ND< 10
1,1,1-Trichloroethane	ND< 5	2-Hexanone	ND< 10
1,1,2-Trichloroethane	ND< 5	Carbon disulfide	ND< 5
Trichloroethene	ND< 5		
Vinyl Chloride	ND< 10		

Analytical Method: EPA 8260 ELAP ID No: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-2058
		Lab Sample No:	7641
Client Job Site:	115 N. Washington		
		Sample Type:	Soil
Client Job No:	1636602		
		Date Sampled:	08/16/01
Field Location:	MW-5, S-1, 0.5-2'	**Date Received:**	08/17/01
Field ID No:	N/A	**Date Analyzed:**	08/23/01

VOLATILE HALOCARBONS	RESULTS (ug/kg)	VOLATILE AROMATICS	RESULTS (ug/kg)
Bromodichloromethane	ND< 5	Benzene	ND< 5
Bromomethane	ND< 10	Chlorobenzene	ND< 5
Bromoform	ND< 5	Ethylbenzene	ND< 5
Carbon tetrachloride	ND< 5	Toluene	ND< 5
Chloroethane	ND< 10	Xylenes, Total	ND< 5
Chloromethane	ND< 10		
2-Chloroethyl vinyl ether	ND< 10		
Chloroform	ND< 5		
Dibromochloromethane	ND< 5		
1,1-Dichloroethane	ND< 5		
1,2-Dichloroethane	ND< 5		
1,1-Dichloroethene	ND< 5		
Total-1,2-Dichloroethene	ND< 5		
1,2-Dichloropropane	ND< 5		
cis-1,3-Dichloropropene	ND< 5	Ketones & Misc.	
trans-1,3-Dichloropropene	ND< 5	Acetone	ND< 10
Methylene chloride	ND< 5	Vinyl acetate	ND< 10
1,1,2,2-Tetrachloroethane	ND< 5	2-Butanone	ND< 10
Tetrachloroethene	ND< 5	4-Methyl-2-pentanone	ND< 10
1,1,1-Trichloroethane	ND< 5	2-Hexanone	ND< 10
1,1,2-Trichloroethane	ND< 5	Carbon disulfide	ND< 5
Trichloroethene	ND< 5		
Vinyl Chloride	ND< 10		

Analytical Method: EPA 8260 ELAP ID No: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client: The Sear-Brown Group
Client Job Site: 115 N. Washington
Client Job No: 1636602
Field Location: MW-5, S-12, 22-24'
Field ID No: N/A

Lab Project No: 01-2058
Lab Sample No: 7642
Sample Type: Soil
Date Sampled: 08/16/01
Date Received: 08/17/01
Date Analyzed: 08/23/01

VOLATILE HALOCARBONS	RESULTS (ug/kg)
Bromodichloromethane	ND< 5
Bromomethane	ND< 10
Bromoform	ND< 5
Carbon tetrachloride	ND< 5
Chloroethane	ND< 10
Chloromethane	ND< 10
2-Chloroethyl vinyl ether	ND< 10
Chloroform	ND< 5
Dibromochloromethane	ND< 5
1,1-Dichloroethane	ND< 5
1,2-Dichloroethane	ND< 5
1,1-Dichloroethene	ND< 5
Total-1,2-Dichloroethene	ND< 5
1,2-Dichloropropane	ND< 5
cis-1,3-Dichloropropene	ND< 5
trans-1,3-Dichloropropene	ND< 5
Methylene chloride	ND< 5
1,1,2,2-Tetrachloroethane	ND< 5
Tetrachloroethene	ND< 5
1,1,1-Trichloroethane	ND< 5
1,1,2-Trichloroethane	ND< 5
Trichloroethene	ND< 5
Vinyl Chloride	ND< 10

VOLATILE AROMATICS	RESULTS (ug/kg)
Benzene	ND< 5
Chlorobenzene	ND< 5
Ethylbenzene	ND< 5
Toluene	ND< 5
Xylenes, Total	ND< 5

Ketones & Misc.	
Acetone	ND< 10
Vinyl acetate	ND< 10
2-Butanone	ND< 10
4-Methyl-2-pentanone	ND< 10
2-Hexanone	ND< 10
Carbon disulfide	ND< 5

Analytical Method: EPA 8260

ELAP ID No: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington

Client Job No.: 1636602

Field Location: N/A
Field ID No.: MW-5, S-1, 0.5-2'

Lab Project No.: 01-2058
Lab Sample No.: 7641

Sample Type: Soil

Date Sampled: 08/16/2001
Date Received: 08/17/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Chromium	08/20/2001	SW846 6010	8.81
Copper	08/20/2001	SW846 6010	15.9
Nickel	08/20/2001	SW846 6010	7.62
Zinc	08/20/2001	SW846 6010	49.7

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 012058

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: SEAR-BROWN	COMPANY: -same	LAB PROJECT #: 01-2058 / CLIENT PROJECT #: 16 36602
ADDRESS: 85 Metro Park	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14623	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 475-1440 FAX: 424-5951	PHONE: FAX:	STD / * OTHER
PROJECT NAME/SITE NAME: ~~Batavia~~ 1636602	ATTN: Pete Smith	☐ 1 ☐ 2 ☐ 3 ☐ 5 / 10
COMMENTS: 115 N. Washington	ATTN:	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	VOCs 8260		Cr, Cu, Ni, Zn, CN (Total)							REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/15/01	1200		X	MW-4, S-1, .5-1.7'	S	2	X		X								7638
2	↓	1520		↓	MW-4, S-11, 20-22'	↓	1			X								7639
3	↓	1540		↓	MW-4, S-12, 22-24'	↓	1	X										7640
4	8/16/01	1200		↓	MW-5, S-1, .5-2'	↓	2	X		X								7641
5	↓	1540		↓	MW-5, S-12, 22-24'	↓	2	X		X								7642
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY

SAMPLE CONDITION: Check box If acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐ 20

Sampled By: [signature]	Date/Time:	Relinquished By:	Date/Time:
Relinquished By: [signature]	Date/Time: 8/17/01 11:15 am	Received By:	Date/Time:
Received By: [signature]	Date/Time: 8/17/01 11:15	Received @ Lab By: [signature] 8/17/01 @ 1145	Date/Time:

Total Cost:

P.I.F.

TABLE 8
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN SOIL (ug/kg)
Former Brainerd Manufacturing
115 North Washington Street
East Rochester, NY

COMPOUNDS	SOIL SAMPLES																						NYSDEC REC. SOIL CLEANUP OBJECTIVE*
	SC-6 1.2'-2.8'	SC-6 2.8'-4.0'	SC-7 2.4'-2.8'	SC-7 3.4'-4.0'	SC-8 2.0'-2.8'	SC-8 3.5'-4.0'	SC-9 2.5'-3.0'	SC-9 3.5'-4.0'	SC-10 2.0'-2.8'	SC-10 3.5'-4.0'	SC-11 2.5'-3.2'	SC-12 1.0'-2.5'	SC-13 2.0'-2.5'	SC-13 3.5'-4.0'	SC-14 2.0'-3.0'	SC-16 2.0'-2.5'	SC-16 3.5'-4.0'	SC-17 0.5'-3.0'	MW-4 0.5 - 1.7	MW-4 22.0 - 24.0	MW-5 0.5 - 2.0	MW-5 22.0 - 24.0	
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44.7	ND	ND	ND	ND	ND	ND	ND	ND	200
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
m,p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
Tetrachloroethene	9.81	ND	**20,600**	ND	**11,100**	18.1	226	620	**5,780**	125	**11,400**	108	**14,600**	98.7	**2,600**	**6,680**	**11,300**	532	ND	9	ND	ND	1,400
Trichloroethene	6.24	ND	**8,740**	ND	**6,570**	ND	109	295	**5,410**	115	**6,940**	47.9	**5,580**	30.0	**2,740**	**2,700**	ND	**1,400**	ND	ND	ND	ND	700

1. * = NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (Revised December 2000).
2. ug/kg = all values expressed in micrograms per kilogram (equivalent to parts per billion).
3. **Bold** = reported concentration above soil cleanup objective.
4. ND = Not Detected.
5. No sample from soil core SC-15 was submitted for laboratory analysis

TABLE 9
SUMMARY OF INORGANIC SOIL SAMPLE RESULTS (mg/kg)
Former Brainerd Maunfacturing
115 North Washington Street
East Rochester, NY

Analyte	SC-6 1.2 - 2.8	SC-6 2.8-4.0	SC-7 2.4-2.8	SC-7 3.4-4.0	SC-8 2.0-2.8	SC-8 3.5-4.0	SC-9 2.5-3.0	SC-9 3.5-4.0	SC-10 2.0-2.8	SC-10 3.5-4.0	SC-11 2.5-3.2	SC-12 1.0-2.5	SC-13 2.0-2.5	SC-13 3.5-4.0	SC-14 2.0-3.0	SC-16 2.0-2.5	SC-16 3.5-4.0	SC-17 0.5-3.0	MW-4 0.5 - 1.7	MW-4 20 - 22	MW-5 0.5 - 2.0	MW-5 22 - 24	NYSDEC REC. SOIL CLEANUP OBJECTIVE*	EASTERN USA BKGND. RANGE**
Chromium	**127**	45.2	15.8	20.9	30.1	17.9	15.8	13.4	36.6	14.8	**90.5**	8.45	18.0	20.5	27.1	13.4	15.6	**67.3**	12.7	6.56	8.81	7.42	50	1.5 - 40
Copper	**899**	**1,180**	**29,300**	**57.5**	**6,710**	42.8	**863**	**1,090**	**4,680**	**2,120**	**14,000**	**60**	**910**	14.0	**5,190**	**4,920**	5.8	**2,400**	14.5	5.25	15.9	5.26	25 or SB	1 - 50
Nickel	20.6	**40.5**	**39.7**	17.9	**66**	13.6	23.2	19.8	**158**	**39.3**	**363**	11.1	**25.5**	14.1	**103**	22.9	11.3	**99.6**	13.5	5.44	7.62	4.88	13 or SB	0.5 - 25
Zinc	**779**	**542**	**7830**	**59.7**	**3010**	**50.2**	**459**	**512**	**1180**	**588**	**5680**	**84.0**	**298**	33.8	**2120**	**639**	30.0	**1420**	40.0	13.9	49.7	14.1	20 or SB	9 - 50
Total Cyanide	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	****	N/A

Notes:
1. mg/kg = milligrams per kilogram which is equivalent to parts per million (ppm).
2. * = New York State Department of Environmental Conservation. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum, HWR 94-4046 (Revised December 2000).
3. ** = Eastern USA background concentrations as reported in above referenced NYSDEC TAGM HWR 94-4046 (Revised December 2000).
4. **Bold** = reported concentration above soil cleanup objective and Eastern USA background range
5. N/A = Not Available
6. ND = Not Detected
7. **** = Some forms of cyanides are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific forms of cyanide should be taken into consideration when establishing soil cleanup objectives.
8. No sample from soil core SC-15 was submitted for laboratory analyses.

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	The Sear Brown Group	**Lab Project No.:**	01-2090
Client Job Site:	115 N. Washington	**Lab Sample No.:**	7797
Client Job No.:	1636602	**Sample Type:**	Ground Water
Field Location:	MW-1	**Date Sampled:**	08/21/01
		Date Received:	08/21/01
Field ID No.:	N/A	**Date Analyzed:**	08/24/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 5	Benzene	ND< 5
Bromomethane	ND< 10	Chlorobenzene	ND< 5
Bromoform	ND< 5	Ethylbenzene	ND< 5
Carbon tetrachloride	ND< 5	Toluene	ND< 5
Chloroethane	ND< 10	Xylenes, Total	ND< 5
Chloromethane	ND< 10		
2-Chloroethyl vinyl ether	ND< 10		
Chloroform	ND< 5		
Dibromochloromethane	ND< 5		
1,1-Dichloroethane	ND< 5		
1,2-Dichloroethane	ND< 5		
1,1-Dichloroethene	ND< 5		
Total-1,2-Dichloroethene	ND< 5	Acetone	ND< 10
1,2-Dichloropropane	ND< 5	Vinyl acetate	ND< 10
cis-1,3-Dichloropropene	ND< 5	2-Butanone	ND< 10
trans-1,3-Dichloropropene	ND< 5	4-Methyl-2-pentanone	ND< 10
Methylene chloride	ND< 5	2-Hexanone	ND< 10
1,1,2,2-Tetrachloroethane	ND< 5	Carbon disulfide	ND< 5
Tetrachloroethene	5		
1,1,1-Trichloroethane	ND< 5		
1,1,2-Trichloroethane	ND< 5		
Trichloroethene	ND< 5		
Vinyl Chloride	ND< 10		

Analytical Method: EPA 8260 ELAP ID No.: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	The Sear Brown Group	**Lab Project No.:**	01-2090
Client Job Site:	115 N. Washington	**Lab Sample No.:**	7796
Client Job No.:	1636602	**Sample Type:**	Ground Water
Field Location:	MW-2	**Date Sampled:**	08/21/01
		Date Received:	08/21/01
Field ID No.:	N/A	**Date Analyzed:**	08/24/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 5	Benzene	ND< 5
Bromomethane	ND< 10	Chlorobenzene	ND< 5
Bromoform	ND< 5	Ethylbenzene	ND< 5
Carbon tetrachloride	ND< 5	Toluene	ND< 5
Chloroethane	ND< 10	Xylenes, Total	ND< 5
Chloromethane	ND< 10		
2-Chloroethyl vinyl ether	ND< 10		
Chloroform	ND< 5		
Dibromochloromethane	ND< 5		
1,1-Dichloroethane	ND< 5		
1,2-Dichloroethane	ND< 5		
1,1-Dichloroethene	ND< 5		
Total-1,2-Dichloroethene	ND< 5	Acetone	ND< 10
1,2-Dichloropropane	ND< 5	Vinyl acetate	ND< 10
cis-1,3-Dichloropropene	ND< 5	2-Butanone	ND< 10
trans-1,3-Dichloropropene	ND< 5	4-Methyl-2-pentanone	ND< 10
Methylene chloride	ND< 5	2-Hexanone	ND< 10
1,1,2,2-Tetrachloroethane	ND< 5	Carbon disulfide	ND< 5
Tetrachloroethene	10		
1,1,1-Trichloroethane	ND< 5		
1,1,2-Trichloroethane	ND< 5		
Trichloroethene	12		
Vinyl Chloride	ND< 10		

Analytical Method: EPA 8260 ELAP ID No.: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	The Sear Brown Group	**Lab Project No.:**	01-2090
Client Job Site:	115 N. Washington	**Lab Sample No.:**	7795
Client Job No.:	1636602	**Sample Type:**	Ground Water
Field Location:	MW-3	**Date Sampled:**	08/21/01
		Date Received:	08/21/01
Field ID No.:	N/A	**Date Analyzed:**	08/27/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 5	Benzene	ND< 5
Bromomethane	ND< 10	Chlorobenzene	ND< 5
Bromoform	ND< 5	Ethylbenzene	ND< 5
Carbon tetrachloride	ND< 5	Toluene	ND< 5
Chloroethane	ND< 10	Xylenes, Total	ND< 5
Chloromethane	ND< 10		
2-Chloroethyl vinyl ether	ND< 10		
Chloroform	ND< 5		
Dibromochloromethane	ND< 5		
1,1-Dichloroethane	ND< 5		
1,2-Dichloroethane	ND< 5		
1,1-Dichloroethene	ND< 5		
Total-1,2-Dichloroethene	ND< 5	Acetone	ND< 10
1,2-Dichloropropane	ND< 5	Vinyl acetate	ND< 10
cis-1,3-Dichloropropene	ND< 5	2-Butanone	ND< 10
trans-1,3-Dichloropropene	ND< 5	4-Methyl-2-pentanone	ND< 10
Methylene chloride	ND< 5	2-Hexanone	ND< 10
1,1,2,2-Tetrachloroethane	ND< 5	Carbon disulfide	ND< 5
Tetrachloroethene	10		
1,1,1-Trichloroethane	ND< 5		
1,1,2-Trichloroethane	ND< 5		
Trichloroethene	43		
Vinyl Chloride	ND< 10		

Analytical Method: EPA 8260 ELAP ID No.: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	The Sear Brown Group	**Lab Project No.:**	01-2090
Client Job Site:	115 N. Washington	**Lab Sample No.:**	7793
Client Job No.:	1636602	**Sample Type:**	Ground Water
Field Location:	MW-4	**Date Sampled:**	08/21/01
		Date Received:	08/21/01
Field ID No.:	N/A	**Date Analyzed:**	08/24/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 5	Benzene	ND< 5
Bromomethane	ND< 10	Chlorobenzene	ND< 5
Bromoform	ND< 5	Ethylbenzene	ND< 5
Carbon tetrachloride	ND< 5	Toluene	ND< 5
Chloroethane	ND< 10	Xylenes, Total	ND< 5
Chloromethane	ND< 10		
2-Chloroethyl vinyl ether	ND< 10		
Chloroform	ND< 5		
Dibromochloromethane	ND< 5		
1,1-Dichloroethane	ND< 5		
1,2-Dichloroethane	ND< 5		
1,1-Dichloroethene	ND< 5		
Total-1,2-Dichloroethene	ND< 5	Acetone	ND< 10
1,2-Dichloropropane	ND< 5	Vinyl acetate	ND< 10
cis-1,3-Dichloropropene	ND< 5	2-Butanone	ND< 10
trans-1,3-Dichloropropene	ND< 5	4-Methyl-2-pentanone	ND< 10
Methylene chloride	ND< 5	2-Hexanone	ND< 10
1,1,2,2-Tetrachloroethane	ND< 5	Carbon disulfide	ND< 5
Tetrachloroethene	28		
1,1,1-Trichloroethane	ND< 5		
1,1,2-Trichloroethane	ND< 5		
Trichloroethene	190		
Vinyl Chloride	ND< 10		

Analytical Method: EPA 8260 ELAP ID No.: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client: The Sear Brown Group
Client Job Site: 115 N. Washington
Client Job No.: 1636602
Field Location: MW-5
Field ID No.: N/A

Lab Project No.: 01-2090
Lab Sample No.: 7794
Sample Type: Ground Water
Date Sampled: 08/21/01
Date Received: 08/21/01
Date Analyzed: 08/27/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 50	Benzene	ND< 50
Bromomethane	ND< 100	Chlorobenzene	ND< 50
Bromoform	ND< 50	Ethylbenzene	ND< 50
Carbon tetrachloride	ND< 50	Toluene	ND< 50
Chloroethane	ND< 100	Xylenes, Total	ND< 50
Chloromethane	ND< 100		
2-Chloroethyl vinyl ether	ND< 100		
Chloroform	ND< 50		
Dibromochloromethane	ND< 50		
1,1-Dichloroethane	ND< 50		
1,2-Dichloroethane	ND< 50		
1,1-Dichloroethene	ND< 50		
Total-1,2-Dichloroethene	ND< 50	Acetone	ND< 100
1,2-Dichloropropane	ND< 50	Vinyl acetate	ND< 100
cis-1,3-Dichloropropene	ND< 50	2-Butanone	ND< 100
trans-1,3-Dichloropropene	ND< 50	4-Methyl-2-pentanone	ND< 100
Methylene chloride	ND< 50	2-Hexanone	ND< 100
1,1,2,2-Tetrachloroethane	ND< 50	Carbon disulfide	ND< 50
Tetrachloroethene	1200		
1,1,1-Trichloroethane	ND< 50		
1,1,2-Trichloroethane	ND< 50		
Trichloroethene	1100		
Vinyl Chloride	ND< 100		

Analytical Method: EPA 8260

ELAP ID No.: 10709

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 North Washington

Client Part No.: 1636602

Field Location: MW-1
Field ID No.: N/A

Lab Project No.: 01-2090
Lab Sample No.: 7797

Sample Type: Water

Date Sampled: 08/21/2001
Date Received: 08/21/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Chromium	08/28/2001	EPA 200.7	<0.010
Copper	08/28/2001	EPA 200.7	<0.010
Nickel	08/28/2001	EPA 200.7	<0.040
Zinc	08/28/2001	EPA 200.7	0.025

ELAP ID No.: 10958

Comments: Samples were filtered through 0.45µm filter prior to digestion.

Approved By: _____
Laboratory Director

File ID: 012090

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 North Washington

Client Part No.: 1636602

Field Location: MW-2
Field ID No.: N/A

Lab Project No.: 01-2090
Lab Sample No.: 7796

Sample Type: Water

Date Sampled: 08/21/2001
Date Received: 08/21/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Chromium	08/28/2001	EPA 200.7	<0.010
Copper	08/28/2001	EPA 200.7	<0.010
Nickel	08/28/2001	EPA 200.7	<0.040
Zinc	08/28/2001	EPA 200.7	0.025

ELAP ID No.: 10958

Comments: Samples were filtered through 0.45µm filter prior to digestion.

Approved By: _____
Laboratory Director

File ID: 012090

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 North Washington

Client Part No.: 1636602

Field Location: MW-3
Field ID No.: N/A

Lab Project No.: 01-2090
Lab Sample No.: 7795

Sample Type: Water

Date Sampled: 08/21/2001
Date Received: 08/21/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Chromium	08/28/2001	EPA 200.7	<0.010
Copper	08/28/2001	EPA 200.7	<0.010
Nickel	08/28/2001	EPA 200.7	<0.040
Zinc	08/28/2001	EPA 200.7	0.037

ELAP ID No.: 10958

Comments: Samples were filtered through 0.45µm filter prior to digestion.

Approved By: _____
Laboratory Director

File ID: 012090

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 North Washington

Client Part No.: 1636602

Field Location: MW-4
Field ID No.: N/A

Lab Project No.: 01-2090
Lab Sample No.: 7793

Sample Type: Water

Date Sampled: 08/21/2001
Date Received: 08/21/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Chromium	08/28/2001	EPA 200.7	<0.010
Copper	08/28/2001	EPA 200.7	<0.010
Nickel	08/28/2001	EPA 200.7	<0.040
Zinc	08/28/2001	EPA 200.7	0.085

ELAP ID No.: 10958

Comments: Samples were filtered through 0.45µm filter prior to digestion.

Approved By: _____
Laboratory Director

File ID: 012090

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 North Washington

Client Part No.: 1636602

Field Location: MW-5
Field ID No.: N/A

Lab Project No.: 01-2090
Lab Sample No.: 7794

Sample Type: Water

Date Sampled: 08/21/2001
Date Received: 08/21/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Chromium	08/28/2001	EPA 200.7	0.145
Copper	08/28/2001	EPA 200.7	<0.010
Nickel	08/28/2001	EPA 200.7	<0.040
Zinc	08/28/2001	EPA 200.7	0.042

ELAP ID No.: 10958

Comments: Samples were filtered through 0.45µm filter prior to digestion.

Approved By: _____
Laboratory Director

File ID: 012090

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington

Client Job No.: N/A

Lab Project No.: 01-2090

Sample Type: Water
Analytical Method: EPA 335.3
Date Sampled: 08/21/2001
Date Received: 08/21/2001
Date Analyzed: 08/23/2001

Lab Sample ID.	Client Sample ID.	Field Location	Total Cyanide (mg/l)
7793	N/A	MW-4	ND<0.01
7794	N/A	MW-5	ND<0.01
7795	N/A	MW-3	ND<0.01
7796	N/A	MW-2	ND<0.01
7797	N/A	MW-1	ND<0.01

ELAP ID No. 10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: TCyanide01-2090.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:

COMPANY: SEAR-BRWN
ADDRESS: 85 Metro Park
CITY: Rochester STATE: NY ZIP: 14623
PHONE: 475-1440 FAX: 424-5951
ATTN: Pete Smith

INVOICE TO:

COMPANY: -Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 01-2090
CLIENT PROJECT #: 1636602

TURNAROUND TIME: (WORKING DAYS)
STD * OTHER
☐ 1 ☐ 2 ☐ 3 ☐ 5 10

PROJECT NAME/SITE NAME: 115 N. Washington

COMMENTS: p/s. filter water for metals in lab

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Vocs 8260	Cr, Cu, Ni, Zn, CN							REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8-21-01	10:16		✓	MW-4	W	4	X	X								7793
2		11:10			MW-5												7794
3		12:07			MW-3												7795
4		12 45			MW-2												7796
5	↓	14:00		↓	MW-1	↓	↓	↓	↓								7797
6																	
7																	
8																	
9																	
10																	

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐ 18

Sampled By: Pete Smith Date/Time: 8/21/01 14:00

Relinquished By: Pete Smith Date/Time: 8/21/01 16:00

Received By: Irene DeLoria Date/Time: 8/21/01 1600

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: Irene DeLoria Date/Time: 8/21/01 1630

Total Cost:

P.I.F.

MAY 2001
INTERIOR SOIL CORING
LABORATORY ANALYTICAL REPORT

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4161
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-3, S2 (W of GP-103)	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 80.7
Bromomethane	ND< 80.7
Bromoform	ND< 80.7
Carbon tetrachloride	ND< 80.7
Chloroethane	ND< 80.7
Chloromethane	ND< 80.7
2-Chloroethyl vinyl ether	ND< 80.7
Chloroform	ND< 80.7
Dibromochloromethane	ND< 80.7
1,1-Dichloroethane	ND< 80.7
1,2-Dichloroethane	ND< 80.7
1,1-Dichloroethene	ND< 80.7
cis-1,2-Dichloroethene	ND< 80.7
trans-1,2-Dichloroethene	ND< 80.7
1,2-Dichloropropane	ND< 80.7
cis-1,3-Dichloropropene	ND< 80.7
trans-1,3-Dichloropropene	ND< 80.7
Methylene chloride	ND< 202
1,1,2,2-Tetrachloroethane	ND< 80.7
Tetrachloroethene	7,490
1,1,1-Trichloroethane	ND< 80.7
1,1,2-Trichloroethane	ND< 80.7
Trichloroethene	2,320
Vinyl Chloride	ND< 80.7

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 80.7
Chlorobenzene	ND< 80.7
Ethylbenzene	ND< 80.7
Toluene	ND< 80.7
m,p - Xylene	ND< 80.7
o - Xylene	ND< 80.7
Styrene	ND< 80.7
Ketones & Misc.	
Acetone	ND< 404
Vinyl acetate	ND< 202
2-Butanone	ND< 202
4-Methyl-2-pentanone	ND< 202
2-Hexanone	ND< 202
Carbon disulfide	ND< 202

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4162
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-4, S2 (S 0f GP-103)	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.47	Benzene	ND< 9.47
Bromomethane	ND< 9.47	Chlorobenzene	ND< 9.47
Bromoform	ND< 9.47	Ethylbenzene	ND< 9.47
Carbon tetrachloride	ND< 9.47	Toluene	ND< 9.47
Chloroethane	ND< 9.47	m,p - Xylene	ND< 9.47
Chloromethane	ND< 9.47	o - Xylene	ND< 9.47
2-Chloroethyl vinyl ether	ND< 9.47	Styrene	ND< 9.47
Chloroform	ND< 9.47		
Dibromochloromethane	ND< 9.47		
1,1-Dichloroethane	ND< 9.47		
1,2-Dichloroethane	ND< 9.47		
1,1-Dichloroethene	ND< 9.47		
cis-1,2-Dichloroethene	ND< 9.47		
trans-1,2-Dichloroethene	ND< 9.47	Ketones & Misc.	
1,2-Dichloropropane	ND< 9.47	Acetone	ND< 47.3
cis-1,3-Dichloropropene	ND< 9.47	Vinyl acetate	ND< 23.7
trans-1,3-Dichloropropene	ND< 9.47	2-Butanone	ND< 23.7
Methylene chloride	ND< 23.7	4-Methyl-2-pentanone	ND< 23.7
1,1,2,2-Tetrachloroethane	ND< 9.47	2-Hexanone	ND< 23.7
Tetrachloroethene	259	Carbon disulfide	ND< 23.7
1,1,1-Trichloroethane	ND< 9.47		
1,1,2-Trichloroethane	ND< 9.47		
Trichloroethene	88.0		
Vinyl Chloride	ND< 9.47		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4163
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-5, S2 (N of SC-1)	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1
Bromomethane	ND< 10.1
Bromoform	ND< 10.1
Carbon tetrachloride	ND< 10.1
Chloroethane	ND< 10.1
Chloromethane	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1
Chloroform	ND< 10.1
Dibromochloromethane	ND< 10.1
1,1-Dichloroethane	ND< 10.1
1,2-Dichloroethane	ND< 10.1
1,1-Dichloroethene	ND< 10.1
cis-1,2-Dichloroethene	ND< 10.1
trans-1,2-Dichloroethene	ND< 10.1
1,2-Dichloropropane	ND< 10.1
cis-1,3-Dichloropropene	ND< 10.1
trans-1,3-Dichloropropene	ND< 10.1
Methylene chloride	ND< 25.2
1,1,2,2-Tetrachloroethane	ND< 10.1
Tetrachloroethene	742
1,1,1-Trichloroethane	ND< 10.1
1,1,2-Trichloroethane	ND< 10.1
Trichloroethene	414
Vinyl Chloride	ND< 10.1

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 10.1
Chlorobenzene	ND< 10.1
Ethylbenzene	ND< 10.1
Toluene	ND< 10.1
m,p - Xylene	ND< 10.1
o - Xylene	ND< 10.1
Styrene	ND< 10.1
Ketones & Misc.	
Acetone	ND< 50.3
Vinyl acetate	ND< 25.2
2-Butanone	ND< 25.2
4-Methyl-2-pentanone	ND< 25.2
2-Hexanone	ND< 25.2
Carbon disulfide	ND< 25.2

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V3.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Lab Sample No:**	4164
Client Job No:	1636601	**Sample Type:**	Soil
Field Location:	SC-3, Top of 6" Slab	**Date Sampled:**	05/04/01
Field ID No:	N/A	**Date Received:**	05/07/01
		Date Analyzed:	05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.00
Bromomethane	ND< 8.00
Bromoform	ND< 8.00
Carbon tetrachloride	ND< 8.00
Chloroethane	ND< 8.00
Chloromethane	ND< 8.00
2-Chloroethyl vinyl ether	ND< 8.00
Chloroform	ND< 8.00
Dibromochloromethane	ND< 8.00
1,1-Dichloroethane	ND< 8.00
1,2-Dichloroethane	ND< 8.00
1,1-Dichloroethene	ND< 8.00
cis-1,2-Dichloroethene	ND< 8.00
trans-1,2-Dichloroethene	ND< 8.00
1,2-Dichloropropane	ND< 8.00
cis-1,3-Dichloropropene	ND< 8.00
trans-1,3-Dichloropropene	ND< 8.00
Methylene chloride	ND< 20.0
1,1,2,2-Tetrachloroethane	ND< 8.00
Tetrachloroethene	187
1,1,1-Trichloroethane	ND< 8.00
1,1,2-Trichloroethane	ND< 8.00
Trichloroethene	76.9
Vinyl Chloride	ND< 8.00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 8.00
Chlorobenzene	ND< 8.00
Ethylbenzene	ND< 8.00
Toluene	ND< 8.00
m,p - Xylene	ND< 8.00
o - Xylene	ND< 8.00
Styrene	ND< 8.00
Ketones & Misc.	
Acetone	ND< 40.0
Vinyl acetate	ND< 20.0
2-Butanone	ND< 20.0
4-Methyl-2-pentanone	ND< 20.0
2-Hexanone	ND< 20.0
Carbon disulfide	ND< 20.0

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V4.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Lab Sample No:**	4165
Client Job No:	1636601	**Sample Type:**	Soil
Field Location:	SC-1, S2A (N of GP-103)	**Date Sampled:**	05/04/01
Field ID No:	N/A	**Date Received:**	05/07/01
		Date Analyzed:	05/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 98.8
Bromomethane	ND< 98.8
Bromoform	ND< 98.8
Carbon tetrachloride	ND< 98.8
Chloroethane	ND< 98.8
Chloromethane	ND< 98.8
2-Chloroethyl vinyl ether	ND< 98.8
Chloroform	ND< 98.8
Dibromochloromethane	ND< 98.8
1,1-Dichloroethane	ND< 98.8
1,2-Dichloroethane	ND< 98.8
1,1-Dichloroethene	ND< 98.8
cis-1,2-Dichloroethene	ND< 98.8
trans-1,2-Dichloroethene	ND< 98.8
1,2-Dichloropropane	ND< 98.8
cis-1,3-Dichloropropene	ND< 98.8
trans-1,3-Dichloropropene	ND< 98.8
Methylene chloride	ND< 247
1,1,2,2-Tetrachloroethane	ND< 98.8
Tetrachloroethene	6,600
1,1,1-Trichloroethane	ND< 98.8
1,1,2-Trichloroethane	ND< 98.8
Trichloroethene	5,450
Vinyl Chloride	ND< 98.8

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 98.8
Chlorobenzene	ND< 98.8
Ethylbenzene	ND< 98.8
Toluene	ND< 98.8
m,p - Xylene	ND< 98.8
o - Xylene	ND< 98.8
Styrene	ND< 98.8
Ketones & Misc.	
Acetone	ND< 494
Vinyl acetate	ND< 247
2-Butanone	ND< 247
4-Methyl-2-pentanone	ND< 247
2-Hexanone	ND< 247
Carbon disulfide	ND< 247

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V5.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: W. of GP-103

Field ID No.: SC-3, S2

Lab Project No.: 01-1059

Lab Sample No.: 4161

Sample Type: Soil

Date Sampled: 05/04/2001

Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	4.87
Barium	05/09/2001	SW846 6010	73.4
Cadmium	05/09/2001	SW846 6010	3.64
Chromium	05/09/2001	SW846 6010	285
Copper	05/10/2001	SW846 6010	6707
Lead	05/09/2001	SW846 6010	79.2
Mercury	05/09/2001	SW846 7471	<0.0969
Nickel	05/09/2001	SW846 6010	278
Selenium	05/09/2001	SW846 6010	2.75
Silver	05/09/2001	SW846 6010	1.03
Zinc	05/09/2001	SW846 6010	264

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: S. of GP-103
Field ID No.: SC-4, S2

Lab Project No.: 01-1059
Lab Sample No.: 4162

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	1.32
Barium	05/09/2001	SW846 6010	38.1
Cadmium	05/09/2001	SW846 6010	<0.514
Chromium	05/09/2001	SW846 6010	50.4
Copper	05/10/2001	SW846 6010	16.4
Lead	05/09/2001	SW846 6010	4.28
Mercury	05/09/2001	SW846 7471	<0.0973
Nickel	05/09/2001	SW846 6010	8.21
Selenium	05/09/2001	SW846 6010	<0.514
Silver	05/09/2001	SW846 6010	<1.03
Zinc	05/09/2001	SW846 6010	28.0

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: N. of SC-1
Field ID No.: SC-5, S2

Lab Project No.: 01-1059
Lab Sample No.: 4163

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	4.69
Barium	05/09/2001	SW846 6010	40.7
Cadmium	05/09/2001	SW846 6010	0.999
Chromium	05/09/2001	SW846 6010	73.2
Copper	05/10/2001	SW846 6010	560
Lead	05/09/2001	SW846 6010	53.4
Mercury	05/09/2001	SW846 7471	<0.0971
Nickel	05/09/2001	SW846 6010	18.9
Selenium	05/09/2001	SW846 6010	0.910
Silver	05/09/2001	SW846 6010	<1.05
Zinc	05/09/2001	SW846 6010	284

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: Top of 6" Slab

Field ID No.: SC-3

Lab Project No.: 01-1059
Lab Sample No.: 4164

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	1.99
Barium	05/09/2001	SW846 6010	83.6
Cadmium	05/09/2001	SW846 6010	8.51
Chromium	05/09/2001	SW846 6010	251
Copper	05/10/2001	SW846 6010	5000
Lead	05/09/2001	SW846 6010	27.7
Mercury	05/09/2001	SW846 7471	<0.0870
Nickel	05/10/2001	SW846 6010	4530
Selenium	05/09/2001	SW846 6010	2.24
Silver	05/09/2001	SW846 6010	2.86
Zinc	05/09/2001	SW846 6010	317

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: N. of GP-103

Field ID No.: SC-1, S2a

Lab Project No.: 01-1059
Lab Sample No.: 4165

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	6.95
Barium	05/09/2001	SW846 6010	71.7
Cadmium	05/09/2001	SW846 6010	3.01
Chromium	05/09/2001	SW846 6010	23.9
Copper	05/10/2001	SW846 6010	1717
Lead	05/09/2001	SW846 6010	114
Mercury	05/09/2001	SW846 7471	<0.103
Nickel	05/09/2001	SW846 6010	38.2
Selenium	05/09/2001	SW846 6010	0.739
Silver	05/09/2001	SW846 6010	<0.675
Zinc	05/09/2001	SW846 6010	1053

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental
Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington St.
East Rochester (Brainerd)

Client Job No.: 1636601

Lab Project No.: 01-1059

Sample Type: Soil
Analytical Method: EPA 9012
Date Sampled: 05/04/2001
Date Received: 05/07/2001
Date Analyzed: 05/11/2001

Lab Sample ID.	Client Sample ID.	Field Location	Total Cyanide (mg/kg)
4161	SC-3, S2	W. of GP-103	12
4162	SC-4, S2	S. of GP-103	ND<1
4163	SC-5, S2	N. of SC-1	8.8
4164	SC-3	Top of 6" slab	12
4165	SC-1, S2a	N. of GP-103	2.1

ELAP ID. No.:10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: VARLOC01-1059

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:
COMPANY: Sear-Brown	COMPANY: Same As Report
ADDRESS: 85 Metro Park	ADDRESS:
CITY: Rochester STATE: NY ZIP: 14623	CITY: STATE: ZIP:
PHONE: (716) 475-1440 FAX: (716) 424-5951	PHONE: FAX:
ATTN: Mike Storonsky / April Krause	ATTN:

LAB PROJECT #: 01-1059
CLIENT PROJECT #: 1036601

TURNAROUND TIME: (WORKING DAYS): 1 ☐ 2 ☐ 3 ☐ STD 5 ☑ OTHER ☐

PROJECT NAME/SITE NAME: 115 N. Washington St. East Rochester [illegible]

COMMENTS: Please note remarks - Sample IDs on labels, not jar caps

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 VOCs	RCRA 8, Total	Copper, Total	Nickel, Total	Zinc, Total	Cyanides, Total	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5-04-01	1130		✓	SC-1, S2b (N. of GP-103)	Soil	1	~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~	** ON HOLD **	
2	5-04-01	1130		✓	SC-3, S2 (W. of GP-103)	Soil	1	✓	✓	✓	✓	✓	✓		
3	5-04-01	1105		✓	SC-4, S2 (S. of GP-103)	Soil	1	✓	✓	✓	✓	✓	✓		4161
4	5-04-01	1205		✓	SC-5, S2 (N. of SC-1)	Soil	1	✓	✓	✓	✓	✓	✓		4162
5	5-04-01	1000		✓	SC-3, Top of 6" slab	Concrete	1	✓	✓	✓	✓	✓	✓	* - Please take sample from top of smooth surface	4163
6	5-04-01	0910		✓	SC-1, S2a (N. of GP-103)	Soil	1	✓	✓	✓	✓	✓	✓	* - Please take VOCs from interior portion of sediment chunk	4164
7															4165
8															
9															
10															

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ☑ PRESERVATIONS: ☑ HOLDING TIME: ☑ TEMPERATURE: ☐ 12°C iced

Sampled By: [signature]	Date/Time: 5-04-01	Received By: [signature]	Date/Time: 5-7-01 1505
Relinquished By: [signature]	Date/Time: 5-04-01 1505	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received @ Lab By: [signature]	Date/Time: 5/7/01 1700

Total Cost:

P.I.F.

APRIL 2001
EXTERIOR SOIL BORING
LABORATORY ANALYTICAL REPORT

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington St.
East Rochester, New York

Client Job No.: N/A

Field Location: MW-1, S15 (28'-30')

Field ID No.: N/A

Lab Project No.: 01-0996
Lab Sample No.: 3978

Sample Type: Soil

Date Sampled: 04/18/2001
Date Received: 04/30/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
T-Cyanide	05/03/2001	EPA 9012	ND<1

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: CN01-0996

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester, New York

Client Job No.: 1636601

Field Location: MW-1, S15 (28'-30')

Field ID No.: N/A

Lab Project No.: 01-0996

Lab Sample No.: 3978

Sample Type: Soil

Date Sampled: 04/18/2001

Date Received: 04/30/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/01/2001	SW846 6010	2.16
Barium	05/01/2001	SW846 6010	15.6
Cadmium	05/01/2001	SW846 6010	<0.581
Chromium	05/01/2001	SW846 6010	7.39
Copper	05/01/2001	SW846 6010	9.36
Lead	05/01/2001	SW846 6010	3.71
Mercury	05/03/2001	SW846 7471	<0.0824
Nickel	05/01/2001	SW846 6010	5.29
Selenium	05/01/2001	SW846 6010	0.819
Silver	05/01/2001	SW846 6010	<1.16
Zinc	05/01/2001	SW846 6010	15.4

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 010996

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-0996
Client Job Site:	115 N. Washington St. E. Roch. (Brainerd)	**Lab Sample No:**	3977
Client Job No:	1636601	**Sample Type:**	Soil
Field Location:	MW-1, S5(8'-10')	**Date Sampled:**	04/18/01
Field ID No:	N/A	**Date Received:**	04/30/01
		Date Analyzed:	04/30/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.66
Bromomethane	ND< 8.66
Bromoform	ND< 8.66
Carbon tetrachloride	ND< 8.66
Chloroethane	ND< 8.66
Chloromethane	ND< 8.66
2-Chloroethyl vinyl ether	ND< 8.66
Chloroform	ND< 8.66
Dibromochloromethane	ND< 8.66
1,1-Dichloroethane	ND< 8.66
1,2-Dichloroethane	ND< 8.66
1,1-Dichloroethene	ND< 8.66
cis-1,2-Dichloroethene	ND< 8.66
trans-1,2-Dichloroethene	ND< 8.66
1,2-Dichloropropane	ND< 8.66
cis-1,3-Dichloropropene	ND< 8.66
trans-1,3-Dichloropropene	ND< 8.66
Methylene chloride	ND< 21.6
1,1,2,2-Tetrachloroethane	ND< 8.66
Tetrachloroethene	10.8
1,1,1-Trichloroethane	ND< 8.66
1,1,2-Trichloroethane	ND< 8.66
Trichloroethene	ND< 8.66
Vinyl Chloride	ND< 8.66

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 8.66
Chlorobenzene	ND< 8.66
Ethylbenzene	ND< 8.66
Toluene	ND< 8.66
m,p - Xylene	ND< 8.66
o - Xylene	ND< 8.66
Styrene	ND< 8.66
Ketones & Misc.	
Acetone	ND< 43.3
Vinyl acetate	ND< 21.6
2-Butanone	ND< 21.6
4-Methyl-2-pentanone	ND< 21.6
2-Hexanone	ND< 21.6
Carbon disulfide	ND< 21.6

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-0996
		Lab Sample No:	3979
Client Job Site:	115 N. Washington St. E. Roch. (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
Field Location:	MW-2, S11(20'-22')	**Date Sampled:**	04/19/01
Field ID No:	N/A	**Date Received:**	04/30/01
		Date Analyzed:	04/30/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.66	Benzene	ND< 8.66
Bromomethane	ND< 8.66	Chlorobenzene	ND< 8.66
Bromoform	ND< 8.66	Ethylbenzene	ND< 8.66
Carbon tetrachloride	ND< 8.66	Toluene	ND< 8.66
Chloroethane	ND< 8.66	m,p - Xylene	21.3
Chloromethane	ND< 8.66	o - Xylene	ND< 8.66
2-Chloroethyl vinyl ether	ND< 8.66	Styrene	ND< 8.66
Chloroform	ND< 8.66		
Dibromochloromethane	ND< 8.66		
1,1-Dichloroethane	ND< 8.66		
1,2-Dichloroethane	ND< 8.66		
1,1-Dichloroethene	ND< 8.66		
cis-1,2-Dichloroethene	ND< 8.66		
trans-1,2-Dichloroethene	ND< 8.66	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 8.66	Acetone	ND< 43.3
cis-1,3-Dichloropropene	ND< 8.66	Vinyl acetate	ND< 21.6
trans-1,3-Dichloropropene	ND< 8.66	2-Butanone	ND< 21.6
Methylene chloride	ND< 21.6	4-Methyl-2-pentanone	ND< 21.6
1,1,2,2-Tetrachloroethane	ND< 8.66	2-Hexanone	ND< 21.6
Tetrachloroethene	ND< 8.66	Carbon disulfide	ND< 21.6
1,1,1-Trichloroethane	ND< 8.66		
1,1,2-Trichloroethane	ND< 8.66		
Trichloroethene	ND< 8.66		
Vinyl Chloride	ND< 8.66		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-0996
		Lab Sample No:	3980
Client Job Site:	115 N. Washington St. E. Roch. (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	04/20/01
Field Location:	MW-3, S12(24'-26')	**Date Received:**	04/30/01
Field ID No:	N/A	**Date Analyzed:**	04/30/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1	Benzene	ND< 10.1
Bromomethane	ND< 10.1	Chlorobenzene	ND< 10.1
Bromoform	ND< 10.1	Ethylbenzene	ND< 10.1
Carbon tetrachloride	ND< 10.1	Toluene	ND< 10.1
Chloroethane	ND< 10.1	m,p - Xylene	16.1
Chloromethane	ND< 10.1	o - Xylene	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1	Styrene	ND< 10.1
Chloroform	ND< 10.1		
Dibromochloromethane	ND< 10.1		
1,1-Dichloroethane	ND< 10.1		
1,2-Dichloroethane	ND< 10.1		
1,1-Dichloroethene	ND< 10.1		
cis-1,2-Dichloroethene	ND< 10.1		
trans-1,2-Dichloroethene	ND< 10.1	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.1	Acetone	ND< 50.3
cis-1,3-Dichloropropene	ND< 10.1	Vinyl acetate	ND< 25.2
trans-1,3-Dichloropropene	ND< 10.1	2-Butanone	ND< 25.2
Methylene chloride	ND< 25.2	4-Methyl-2-pentanone	ND< 25.2
1,1,2,2-Tetrachloroethane	ND< 10.1	2-Hexanone	ND< 25.2
Tetrachloroethene	ND< 10.1	Carbon disulfide	ND< 25.2
1,1,1-Trichloroethane	ND< 10.1		
1,1,2-Trichloroethane	ND< 10.1		
Trichloroethene	ND< 10.1		
Vinyl Chloride	ND< 10.1		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue

Rochester, NY 14608

(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	SEAR-BROWN	COMPANY:	SAME AS REPORT
ADDRESS:	85 METRO PARK	ADDRESS:	
CITY: ROCHESTER	STATE: NY ZIP: 14623	CITY:	STATE: ZIP:
PHONE: (716) 475-1440	FAX: (716) 424-5751	PHONE:	FAX:
ATTN:	MIKE STORONSKY / APRIL KRAUSE	ATTN:	

LAB PROJECT #:

CLIENT PROJECT #: 116316001

TURNAROUND TIME: (WORKING DAYS) 1 ☐ 2 ☐ 3 ☐ STD 5 ☑ OTHER ☐

PROJECT NAME/SITE NAME: 115 N. WASHINGTON ST., E. ROCH.

COMMENTS: * PLEASE RUN BY WEDS, MAY 2nd - HOLDING TIME WILL EXPIRE *

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 VOCs	RCRA 8, TOTAL	COPPER, TOTAL	NICKEL, TOTAL	ZINC, TOTAL	CYANIDES, TOTAL					REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4-18-01	0940		✓	MW-1, S5 (8'-10')	SOIL	1	✓										PLEASE ↑ RUN BY	3977
2	4-18-01	1235		✓	MW-1, S15 (28-30')	SOIL	1		✓	✓	✓	✓	✓					WEDS., MAY 2nd HOLDING TIME WILL EXPIRE	3978
3	4-19-01	0735		✓	MW-2, S11 (20'-22')	SOIL	1	✓										↓	3979
4	4-20-01	1052		✓	MW-3, S12 (24'-26')	SOIL	1	✓											3980
5																			
6																			
7																			
8																			
9																			
10																			

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☑ PRESERVATIONS: ☑ HOLDING TIME: ☑ TEMPERATURE: ☐

Sampled By: [signature]	Date/Time: 4-20-01	Received By:	Date/Time:
Relinquished By: [signature]	Date/Time: 4-30-01 10:55 am	Received By: L. Bethel	Date/Time: 4/30/01 12:55
Relinquished By:	Date/Time:	Received @ Lab By:	Date/Time:

Total Cost:

P.I.F.

MAY 2001
INTERIOR SOIL CORING
LABORATORY ANALYTICAL REPORT

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4161
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-3, S2 (W of GP-103)	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 80.7
Bromomethane	ND< 80.7
Bromoform	ND< 80.7
Carbon tetrachloride	ND< 80.7
Chloroethane	ND< 80.7
Chloromethane	ND< 80.7
2-Chloroethyl vinyl ether	ND< 80.7
Chloroform	ND< 80.7
Dibromochloromethane	ND< 80.7
1,1-Dichloroethane	ND< 80.7
1,2-Dichloroethane	ND< 80.7
1,1-Dichloroethene	ND< 80.7
cis-1,2-Dichloroethene	ND< 80.7
trans-1,2-Dichloroethene	ND< 80.7
1,2-Dichloropropane	ND< 80.7
cis-1,3-Dichloropropene	ND< 80.7
trans-1,3-Dichloropropene	ND< 80.7
Methylene chloride	ND< 202
1,1,2,2-Tetrachloroethane	ND< 80.7
Tetrachloroethene	7,490
1,1,1-Trichloroethane	ND< 80.7
1,1,2-Trichloroethane	ND< 80.7
Trichloroethene	2,320
Vinyl Chloride	ND< 80.7

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 80.7
Chlorobenzene	ND< 80.7
Ethylbenzene	ND< 80.7
Toluene	ND< 80.7
m,p - Xylene	ND< 80.7
o - Xylene	ND< 80.7
Styrene	ND< 80.7
Ketones & Misc.	
Acetone	ND< 404
Vinyl acetate	ND< 202
2-Butanone	ND< 202
4-Methyl-2-pentanone	ND< 202
2-Hexanone	ND< 202
Carbon disulfide	ND< 202

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4162
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-4, S2 (S 0f GP-103)	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 9.47	Benzene	ND< 9.47
Bromomethane	ND< 9.47	Chlorobenzene	ND< 9.47
Bromoform	ND< 9.47	Ethylbenzene	ND< 9.47
Carbon tetrachloride	ND< 9.47	Toluene	ND< 9.47
Chloroethane	ND< 9.47	m,p - Xylene	ND< 9.47
Chloromethane	ND< 9.47	o - Xylene	ND< 9.47
2-Chloroethyl vinyl ether	ND< 9.47	Styrene	ND< 9.47
Chloroform	ND< 9.47		
Dibromochloromethane	ND< 9.47		
1,1-Dichloroethane	ND< 9.47		
1,2-Dichloroethane	ND< 9.47		
1,1-Dichloroethene	ND< 9.47		
cis-1,2-Dichloroethene	ND< 9.47		
trans-1,2-Dichloroethene	ND< 9.47	Ketones & Misc.	
1,2-Dichloropropane	ND< 9.47	Acetone	ND< 47.3
cis-1,3-Dichloropropene	ND< 9.47	Vinyl acetate	ND< 23.7
trans-1,3-Dichloropropene	ND< 9.47	2-Butanone	ND< 23.7
Methylene chloride	ND< 23.7	4-Methyl-2-pentanone	ND< 23.7
1,1,2,2-Tetrachloroethane	ND< 9.47	2-Hexanone	ND< 23.7
Tetrachloroethene	259	Carbon disulfide	ND< 23.7
1,1,1-Trichloroethane	ND< 9.47		
1,1,2-Trichloroethane	ND< 9.47		
Trichloroethene	88.0		
Vinyl Chloride	ND< 9.47		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4163
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-5, S2 (N of SC-1)	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1	Benzene	ND< 10.1
Bromomethane	ND< 10.1	Chlorobenzene	ND< 10.1
Bromoform	ND< 10.1	Ethylbenzene	ND< 10.1
Carbon tetrachloride	ND< 10.1	Toluene	ND< 10.1
Chloroethane	ND< 10.1	m,p - Xylene	ND< 10.1
Chloromethane	ND< 10.1	o - Xylene	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1	Styrene	ND< 10.1
Chloroform	ND< 10.1		
Dibromochloromethane	ND< 10.1		
1,1-Dichloroethane	ND< 10.1		
1,2-Dichloroethane	ND< 10.1		
1,1-Dichloroethene	ND< 10.1		
cis-1,2-Dichloroethene	ND< 10.1		
trans-1,2-Dichloroethene	ND< 10.1		
1,2-Dichloropropane	ND< 10.1	**Ketones & Misc.**	
cis-1,3-Dichloropropene	ND< 10.1	Acetone	ND< 50.3
trans-1,3-Dichloropropene	ND< 10.1	Vinyl acetate	ND< 25.2
Methylene chloride	ND< 25.2	2-Butanone	ND< 25.2
1,1,2,2-Tetrachloroethane	ND< 10.1	4-Methyl-2-pentanone	ND< 25.2
Tetrachloroethene	742	2-Hexanone	ND< 25.2
1,1,1-Trichloroethane	ND< 10.1	Carbon disulfide	ND< 25.2
1,1,2-Trichloroethane	ND< 10.1		
Trichloroethene	414		
Vinyl Chloride	ND< 10.1		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V3.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
		Lab Sample No:	4164
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	05/04/01
Field Location:	SC-3, Top of 6" Slab	**Date Received:**	05/07/01
Field ID No:	N/A	**Date Analyzed:**	05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.00
Bromomethane	ND< 8.00
Bromoform	ND< 8.00
Carbon tetrachloride	ND< 8.00
Chloroethane	ND< 8.00
Chloromethane	ND< 8.00
2-Chloroethyl vinyl ether	ND< 8.00
Chloroform	ND< 8.00
Dibromochloromethane	ND< 8.00
1,1-Dichloroethane	ND< 8.00
1,2-Dichloroethane	ND< 8.00
1,1-Dichloroethene	ND< 8.00
cis-1,2-Dichloroethene	ND< 8.00
trans-1,2-Dichloroethene	ND< 8.00
1,2-Dichloropropane	ND< 8.00
cis-1,3-Dichloropropene	ND< 8.00
trans-1,3-Dichloropropene	ND< 8.00
Methylene chloride	ND< 20.0
1,1,2,2-Tetrachloroethane	ND< 8.00
Tetrachloroethene	187
1,1,1-Trichloroethane	ND< 8.00
1,1,2-Trichloroethane	ND< 8.00
Trichloroethene	76.9
Vinyl Chloride	ND< 8.00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 8.00
Chlorobenzene	ND< 8.00
Ethylbenzene	ND< 8.00
Toluene	ND< 8.00
m,p - Xylene	ND< 8.00
o - Xylene	ND< 8.00
Styrene	ND< 8.00
Ketones & Misc.	
Acetone	ND< 40.0
Vinyl acetate	ND< 20.0
2-Butanone	ND< 20.0
4-Methyl-2-pentanone	ND< 20.0
2-Hexanone	ND< 20.0
Carbon disulfide	ND< 20.0

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	The Sear-Brown Group	**Lab Project No:**	01-1059
Client Job Site:	115 N Washington St East Rochester (Brainerd)	**Lab Sample No:**	4165
Client Job No:	1636601	**Sample Type:**	Soil
Field Location:	SC-1, S2A (N of GP-103)	**Date Sampled:**	05/04/01
Field ID No:	N/A	**Date Received:**	05/07/01
		Date Analyzed:	05/15/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 98.8
Bromomethane	ND< 98.8
Bromoform	ND< 98.8
Carbon tetrachloride	ND< 98.8
Chloroethane	ND< 98.8
Chloromethane	ND< 98.8
2-Chloroethyl vinyl ether	ND< 98.8
Chloroform	ND< 98.8
Dibromochloromethane	ND< 98.8
1,1-Dichloroethane	ND< 98.8
1,2-Dichloroethane	ND< 98.8
1,1-Dichloroethene	ND< 98.8
cis-1,2-Dichloroethene	ND< 98.8
trans-1,2-Dichloroethene	ND< 98.8
1,2-Dichloropropane	ND< 98.8
cis-1,3-Dichloropropene	ND< 98.8
trans-1,3-Dichloropropene	ND< 98.8
Methylene chloride	ND< 247
1,1,2,2-Tetrachloroethane	ND< 98.8
Tetrachloroethene	6,600
1,1,1-Trichloroethane	ND< 98.8
1,1,2-Trichloroethane	ND< 98.8
Trichloroethene	5,450
Vinyl Chloride	ND< 98.8

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 98.8
Chlorobenzene	ND< 98.8
Ethylbenzene	ND< 98.8
Toluene	ND< 98.8
m,p - Xylene	ND< 98.8
o - Xylene	ND< 98.8
Styrene	ND< 98.8
Ketones & Misc.	
Acetone	ND< 494
Vinyl acetate	ND< 247
2-Butanone	ND< 247
4-Methyl-2-pentanone	ND< 247
2-Hexanone	ND< 247
Carbon disulfide	ND< 247

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011059V5.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: W. of GP-103

Field ID No.: SC-3, S2

Lab Project No.: 01-1059
Lab Sample No.: 4161

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	4.87
Barium	05/09/2001	SW846 6010	73.4
Cadmium	05/09/2001	SW846 6010	3.64
Chromium	05/09/2001	SW846 6010	285
Copper	05/10/2001	SW846 6010	6707
Lead	05/09/2001	SW846 6010	79.2
Mercury	05/09/2001	SW846 7471	<0.0969
Nickel	05/09/2001	SW846 6010	278
Selenium	05/09/2001	SW846 6010	2.75
Silver	05/09/2001	SW846 6010	1.03
Zinc	05/09/2001	SW846 6010	264

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: S. of GP-103

Field ID No.: SC-4, S2

Lab Project No.: 01-1059
Lab Sample No.: 4162

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	1.32
Barium	05/09/2001	SW846 6010	38.1
Cadmium	05/09/2001	SW846 6010	<0.514
Chromium	05/09/2001	SW846 6010	50.4
Copper	05/10/2001	SW846 6010	16.4
Lead	05/09/2001	SW846 6010	4.28
Mercury	05/09/2001	SW846 7471	<0.0973
Nickel	05/09/2001	SW846 6010	8.21
Selenium	05/09/2001	SW846 6010	<0.514
Silver	05/09/2001	SW846 6010	<1.03
Zinc	05/09/2001	SW846 6010	28.0

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester. New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: N. of SC-1

Field ID No.: SC-5, S2

Lab Project No.: 01-1059
Lab Sample No.: 4163

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	4.69
Barium	05/09/2001	SW846 6010	40.7
Cadmium	05/09/2001	SW846 6010	0.999
Chromium	05/09/2001	SW846 6010	73.2
Copper	05/10/2001	SW846 6010	560
Lead	05/09/2001	SW846 6010	53.4
Mercury	05/09/2001	SW846 7471	<0.0971
Nickel	05/09/2001	SW846 6010	18.9
Selenium	05/09/2001	SW846 6010	0.910
Silver	05/09/2001	SW846 6010	<1.05
Zinc	05/09/2001	SW846 6010	284

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: Top of 6" Slab

Field ID No.: SC-3

Lab Project No.: 01-1059
Lab Sample No.: 4164

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	1.99
Barium	05/09/2001	SW846 6010	83.6
Cadmium	05/09/2001	SW846 6010	8.51
Chromium	05/09/2001	SW846 6010	251
Copper	05/10/2001	SW846 6010	5000
Lead	05/09/2001	SW846 6010	27.7
Mercury	05/09/2001	SW846 7471	<0.0870
Nickel	05/10/2001	SW846 6010	4530
Selenium	05/09/2001	SW846 6010	2.24
Silver	05/09/2001	SW846 6010	2.86
Zinc	05/09/2001	SW846 6010	317

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester (Brainerd)

Client Job No.: 1636601

Field Location: N. of GP-103

Field ID No.: SC-1, S2a

Lab Project No.: 01-1059
Lab Sample No.: 4165

Sample Type: Soil

Date Sampled: 05/04/2001
Date Received: 05/07/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/09/2001	SW846 6010	6.95
Barium	05/09/2001	SW846 6010	71.7
Cadmium	05/09/2001	SW846 6010	3.01
Chromium	05/09/2001	SW846 6010	23.9
Copper	05/10/2001	SW846 6010	1717
Lead	05/09/2001	SW846 6010	114
Mercury	05/09/2001	SW846 7471	<0.103
Nickel	05/09/2001	SW846 6010	38.2
Selenium	05/09/2001	SW846 6010	0.739
Silver	05/09/2001	SW846 6010	<0.675
Zinc	05/09/2001	SW846 6010	1053

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 011059

PARADIGM
Environmental
Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington St.
East Rochester (Brainerd)

Client Job No.: 1636601

Lab Project No.: 01-1059

Sample Type: Soil
Analytical Method: EPA 9012
Date Sampled: 05/04/2001
Date Received: 05/07/2001
Date Analyzed: 05/11/2001

Lab Sample ID.	Client Sample ID.	Field Location	Total Cyanide (mg/kg)
4161	SC-3, S2	W. of GP-103	12
4162	SC-4, S2	S. of GP-103	ND<1
4163	SC-5, S2	N. of SC-1	8.8
4164	SC-3	Top of 6" slab	12
4165	SC-1, S2a	N. of GP-103	2.1

ELAP ID. No.:10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: VARLOC01-1059

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	SEAR-BROWN	COMPANY:	SAME AS REPORT
ADDRESS:	85 METRO PARK	ADDRESS:	
CITY:	ROCHESTER STATE: NY ZIP: 14623	CITY: STATE: ZIP:	
PHONE:	(716) 475-1440 FAX: (716) 424-5951	PHONE: FAX:	
ATTN:	MIKE STORONSKY / APRIL KRAUSE	ATTN:	

LAB PROJECT #: 01-1059
CLIENT PROJECT #: 1103uu01

TURNAROUND TIME: (WORKING DAYS): 1 ☐ 2 ☐ 3 ☐ STD 5 ☑ OTHER ☐

PROJECT NAME/SITE NAME: 115 N. WASHINGTON ST. EAST ROCHESTER [illegible]

COMMENTS: Please note remarks - Sample IDs on labels, not jar caps

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260 VOCs	RCRA 8, Total	Copper, Total	Nickel, Total	Zinc, Total	Cyanides, Total	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5-04-01	1130		✓	SC-1, S2b (N. of GP-103)	SOIL	1	(struck through)	(struck through)	(struck through)	(struck through)	(struck through)	(struck through)	* ON HOLD * *	
2	5-04-01	1100		✓	SC-3, S2 (W. of GP-103	SOIL	1	✓	✓	✓	✓	✓	✓		
3	5-04-01	1105		✓	SC-4, S2 (S. of GP-103)	SOIL	1	✓	✓	✓	✓	✓	✓		4161
4	5-04-01	1205		✓	SC-5, S2 (N. of SC-1)	SOIL	1	✓	✓	✓	✓	✓	✓		4162
5	5-04-01	1000		✓	SC-3, Top of 6" slab	CONCRETE	1	✓	✓	✓	✓	✓	✓	* - Please take sample from top of smooth surface	4163
6	5-04-01	0910		✓	SC-1, S2a (N. of GP-103)	SOIL	1	✓	✓	✓	✓	✓	✓	* - Please take VOCs from interior portion of sediment chunk	4164
7															4165
8															
9															
10															

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☑ PRESERVATIONS: ☑ HOLDING TIME: ☑ TEMPERATURE: ☐ 12°C iced

Sampled By:	Date/Time:	Received By:	Date/Time:	Total Cost:
[signature]	5-04-01	[signature]	5-7-01 1505	
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
[signature]	5-04-01 1505			
Relinquished By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**
		[signature]	5/7/01 1700	

APRIL 2001
EXTERIOR SOIL BORING
LABORATORY ANALYTICAL REPORT

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

PARADIGM
Environmental Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington St.
East Rochester, New York

Client Job No.: N/A

Field Location: MW-1, S15 (28'-30')

Field ID No.: N/A

Lab Project No.: 01-0996
Lab Sample No.: 3978

Sample Type: Soil

Date Sampled: 04/18/2001
Date Received: 04/30/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
T-Cyanide	05/03/2001	EPA 9012	ND<1

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: CN01-0996

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: The Sear-Brown Group

Client Job Site: 115 N. Washington Street
East Rochester, New York

Client Job No.: 1636601

Field Location: MW-1, S15 (28'-30')

Field ID No.: N/A

Lab Project No.: 01-0996

Lab Sample No.: 3978

Sample Type: Soil

Date Sampled: 04/18/2001

Date Received: 04/30/2001

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/01/2001	SW846 6010	2.16
Barium	05/01/2001	SW846 6010	15.6
Cadmium	05/01/2001	SW846 6010	<0.581
Chromium	05/01/2001	SW846 6010	7.39
Copper	05/01/2001	SW846 6010	9.36
Lead	05/01/2001	SW846 6010	3.71
Mercury	05/03/2001	SW846 7471	<0.0824
Nickel	05/01/2001	SW846 6010	5.29
Selenium	05/01/2001	SW846 6010	0.819
Silver	05/01/2001	SW846 6010	<1.16
Zinc	05/01/2001	SW846 6010	15.4

ELAP ID No.:10958

Comments:

Approved By: _____
Laboratory Director

File ID: 010996

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-0996
		Lab Sample No:	3977
Client Job Site:	115 N. Washington St. E. Roch. (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
Field Location:	MW-1, S5(8'-10')	**Date Sampled:**	04/18/01
Field ID No:	N/A	**Date Received:**	04/30/01
		Date Analyzed:	04/30/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.66	Benzene	ND< 8.66
Bromomethane	ND< 8.66	Chlorobenzene	ND< 8.66
Bromoform	ND< 8.66	Ethylbenzene	ND< 8.66
Carbon tetrachloride	ND< 8.66	Toluene	ND< 8.66
Chloroethane	ND< 8.66	m,p - Xylene	ND< 8.66
Chloromethane	ND< 8.66	o - Xylene	ND< 8.66
2-Chloroethyl vinyl ether	ND< 8.66	Styrene	ND< 8.66
Chloroform	ND< 8.66		
Dibromochloromethane	ND< 8.66		
1,1-Dichloroethane	ND< 8.66		
1,2-Dichloroethane	ND< 8.66		
1,1-Dichloroethene	ND< 8.66		
cis-1,2-Dichloroethene	ND< 8.66		
trans-1,2-Dichloroethene	ND< 8.66		
1,2-Dichloropropane	ND< 8.66	Ketones & Misc.	
cis-1,3-Dichloropropene	ND< 8.66	Acetone	ND< 43.3
trans-1,3-Dichloropropene	ND< 8.66	Vinyl acetate	ND< 21.6
Methylene chloride	ND< 21.6	2-Butanone	ND< 21.6
1,1,2,2-Tetrachloroethane	ND< 8.66	4-Methyl-2-pentanone	ND< 21.6
Tetrachloroethene	10.8	2-Hexanone	ND< 21.6
1,1,1-Trichloroethane	ND< 8.66	Carbon disulfide	ND< 21.6
1,1,2-Trichloroethane	ND< 8.66		
Trichloroethene	ND< 8.66		
Vinyl Chloride	ND< 8.66		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-0996
		Lab Sample No:	3979
Client Job Site:	115 N. Washington St. E. Roch. (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	04/19/01
Field Location:	MW-2, S11(20'-22')	**Date Received:**	04/30/01
Field ID No:	N/A	**Date Analyzed:**	04/30/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 8.66	Benzene	ND< 8.66
Bromomethane	ND< 8.66	Chlorobenzene	ND< 8.66
Bromoform	ND< 8.66	Ethylbenzene	ND< 8.66
Carbon tetrachloride	ND< 8.66	Toluene	ND< 8.66
Chloroethane	ND< 8.66	m,p - Xylene	21.3
Chloromethane	ND< 8.66	o - Xylene	ND< 8.66
2-Chloroethyl vinyl ether	ND< 8.66	Styrene	ND< 8.66
Chloroform	ND< 8.66		
Dibromochloromethane	ND< 8.66		
1,1-Dichloroethane	ND< 8.66		
1,2-Dichloroethane	ND< 8.66		
1,1-Dichloroethene	ND< 8.66		
cis-1,2-Dichloroethene	ND< 8.66		
trans-1,2-Dichloroethene	ND< 8.66		
1,2-Dichloropropane	ND< 8.66	**Ketones & Misc.**	
cis-1,3-Dichloropropene	ND< 8.66	Acetone	ND< 43.3
trans-1,3-Dichloropropene	ND< 8.66	Vinyl acetate	ND< 21.6
Methylene chloride	ND< 21.6	2-Butanone	ND< 21.6
1,1,2,2-Tetrachloroethane	ND< 8.66	4-Methyl-2-pentanone	ND< 21.6
Tetrachloroethene	ND< 8.66	2-Hexanone	ND< 21.6
1,1,1-Trichloroethane	ND< 8.66	Carbon disulfide	ND< 21.6
1,1,2-Trichloroethane	ND< 8.66		
Trichloroethene	ND< 8.66		
Vinyl Chloride	ND< 8.66		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Organic Compound Laboratory Analysis Report For Soil/Sludge

Client:	Sear-Brown	**Lab Project No:**	01-0996
		Lab Sample No:	3980
Client Job Site:	115 N. Washington St. E. Roch. (Brainerd)	**Sample Type:**	Soil
Client Job No:	1636601		
		Date Sampled:	04/20/01
Field Location:	MW-3, S12(24'-26')	**Date Received:**	04/30/01
Field ID No:	N/A	**Date Analyzed:**	04/30/01

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 10.1	Benzene	ND< 10.1
Bromomethane	ND< 10.1	Chlorobenzene	ND< 10.1
Bromoform	ND< 10.1	Ethylbenzene	ND< 10.1
Carbon tetrachloride	ND< 10.1	Toluene	ND< 10.1
Chloroethane	ND< 10.1	m,p - Xylene	16.1
Chloromethane	ND< 10.1	o - Xylene	ND< 10.1
2-Chloroethyl vinyl ether	ND< 10.1	Styrene	ND< 10.1
Chloroform	ND< 10.1		
Dibromochloromethane	ND< 10.1		
1,1-Dichloroethane	ND< 10.1		
1,2-Dichloroethane	ND< 10.1		
1,1-Dichloroethene	ND< 10.1		
cis-1,2-Dichloroethene	ND< 10.1		
trans-1,2-Dichloroethene	ND< 10.1	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 10.1	Acetone	ND< 50.3
cis-1,3-Dichloropropene	ND< 10.1	Vinyl acetate	ND< 25.2
trans-1,3-Dichloropropene	ND< 10.1	2-Butanone	ND< 25.2
Methylene chloride	ND< 25.2	4-Methyl-2-pentanone	ND< 25.2
1,1,2,2-Tetrachloroethane	ND< 10.1	2-Hexanone	ND< 25.2
Tetrachloroethene	ND< 10.1	Carbon disulfide	ND< 25.2
1,1,1-Trichloroethane	ND< 10.1		
1,1,2-Trichloroethane	ND< 10.1		
Trichloroethene	ND< 10.1		
Vinyl Chloride	ND< 10.1		

Analytical Method: EPA 8260

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:
COMPANY: SEAR-BROWN
ADDRESS: 85 METRO PARK
CITY: ROCHESTER STATE: NY ZIP: 14623
PHONE: (716) 475-1440 FAX: (716) 424-5751
ATTN: MIKE STORONSKY / APRIL KRAUSE

INVOICE TO:
COMPANY: SAME AS REPORT
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #:
CLIENT PROJECT #: 116.3160.001

PROJECT NAME/SITE NAME: 115 N. WASHINGTON ST., E. ROCH.

TURNAROUND TIME: (WORKING DAYS) STD ☐1 ☐2 ☐3 ☑5 OTHER ☐

COMMENTS: * PLEASE RUN BY WEDS, MAY 2ND - HOLDING TIME WILL EXPIRE *

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 VOCs	RCRA 8, TOTAL	COPPER, TOTAL	NICKEL, TOTAL	ZINC, TOTAL	CYANIDES, TOTAL	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4-18-01	0940		✓	MW-1, S5 (8'-10')	SOIL	1	✓						PLEASE RUN BY WEDS., MAY 2nd HOLDING TIME WILL EXPIRE	3411
2	4-18-01	1235		✓	MW-1, S15 (28-30')	SOIL	1		✓	✓	✓	✓	✓		3412
3	4-19-01	0735		✓	MW-2, S11 (20'-22')	SOIL	1	✓							3413
4	4-20-01	1052		✓	MW-3, S12 (24'-26')	SOIL	1	✓							3414
5															
6															
7															
8															
9															
10															

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐ 2.1°C

Sampled By: Date/Time: 4-20-01
Relinquished By: Date/Time: 4-20-01 10:55 am
Relinquished By: Date/Time:

Received By: Date/Time:
Received By: J. Bethel 4/30/01 12:55 Date/Time:
Received @ Lab By: Date/Time:

Total Cost:
P.I.F.

MAY 2001
INTERIOR SOIL CORING LOGS

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. SC-1
Monitoring Well ID: NA

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: MARCOR Remediation
Driller: J. Agar
Drilling Method: Concrete corer and Geoprobe Equip.
Sampling Method: 2" x 4' Macro-core
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 5-04-01 0910
Completion Date/Time: 5-04-01 1130
Elevation: NA
Weather: Sunny, Low/mid 80s

Ft. B.G.	C	Sample Information: Sample Interval	Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information: Observations and Remarks	Well Design
0							CONCRETE	Four-inch concrete core - *no apparent staining*	
		0.3 - 0.6 ft.		7	4	S1a	VERY FINE SAND AND SILT	Dry, brown and black, very fine SAND, some SILT - *black staining/cemented material*	
		0.6 - 1.0 ft.		23	8	S1b			
2									
		1.0 - 2.5 ft.		58.7	22	S2a		S.A.A.	
		2.5 - 3.0 ft.		56	24	S2b	FINE SAND & GRAVEL	Dry, brown and black, very fine and fine SAND, trace GRAVEL	
4									
		3.0 - 4.0 ft.		14	13	S2c	FINE SAND	Dry, orange, fine SAND - *black/gray streaking*	
		Macro-core: 1-4 ft. B.G.	18"					End of coring @ 4 ft. B.G.	
6									
8									
10									
12									
14									
16									
18									
20									
22									
24									
26									
28									
30									

Notes: ft. B.G. = feet Below Grade
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. SC-2
Monitoring Well ID: NA

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: MARCOR Remediation
Driller: J. Agar
Drilling Method: Concrete corer and Geoprobe Equip.
Sampling Method: 2" x 4' Macro-core
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 5-04-01 0930
Completion Date/Time: 5-04-01 1115
Elevation: NA
Weather: Sunny, Low/mid 80s

Ft. B.G.	C	Sample Information: Sample Interval	Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
0							CONCRETE	Four-inch concrete core - *no apparent staining*	
								Six-inch concrete core - *slight discolor. (0.25") @ joint*	
		0.8 - 1.0 ft.		7	5	S1		Dry, brown and black, very fine SAND, some SILT	
2							VERY FINE SAND & SILT TO FINE SAND		
		1.0 - 3.5 ft.		16	9.2	S2a		Dry, brown and black, very fine SAND, some orange, fine SAND	
4		3.0 - 4.0 ft.		2.5	2	S2b		Dry, orange, fine SAND	
		Macro-core: 1-4 ft. B.G.	12"					End of coring @ 4 ft. B.G.	
6									
8									
10									
12									
14									
16									
18									
20									
22									
24									
26									
28									
30									

Notes: ft. B.G. = feet Below Grade
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. SC-3
Monitoring Well ID: NA

Project No.: 1636601
Project Name: 115 N. Washington Street, East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: MARCOR Remediation
Driller: J. Agar
Drilling Method: Concrete corer and Geoprobe Equip.
Sampling Method: 2" x 4' Macro-core
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 5-04-01 1000
Completion Date/Time: 5-04-01 1125
Elevation: NA
Weather: Sunny, Low/mid 80s

Ft. B.G.	C	Sample Information: Sample Interval	Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
0							CONCRETE	One- & Four-inch concrete core - *no apparent staining*	
								Six-inch concrete core - *rusty discolor. (0.25") @ joint*	
		0.8 - 1.0 ft.		NM	NM	S1	FILL	Dry, brown and black, GRAVELS	
2									
		1.0 - 2.5 ft.		104	78	S2		Dry, black, GRAVELS - *discoloration*	
		Macro-core: 1-2.5 ft. B.G.	2"					End of coring @ 2.5 ft. B.G. - Refusal	
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
24									
26									
28									
30									

Notes: ft. B.G. = feet Below Grade NM = Not Measured
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. SC-4
Monitoring Well ID: NA

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: MARCOR Remediation
Driller: J. Agar
Drilling Method: Concrete corer and Geoprobe Equip.
Sampling Method: 2" x 4' Macro-core
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 5-04-01 0930
Completion Date/Time: 5-04-01 1115
Elevation: NA
Weather: Sunny, Low/mid 80s

Ft. B.G.	C	Sample Information: Sample Interval	Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
0							CONCRETE	Four-inch concrete core - *no apparent staining*	
								Six-inch concrete core - *no apparent staining*	
2		0.8 - 2.0 ft.		12	6	S1	VERY FINE AND FINE SAND (VARIABLE)	Dry, brown and black, very fine and fine SAND	
4		2.0 - 4.0 ft.		23.8	13	S2		Dry, brown, fine SAND, some very fine SAND - *purplish discoloration*	
		4.0 -5.0 ft.		25	11	S3		Dry, orange, fine SAND	
		Macro-core: 1-5 ft. B.G.	24"					End of coring @ 5 ft. B.G.	
6									
8									
10									
12									
14									
16									
18									
20									
22									
24									
26									
28									
30									

Notes: ft. B.G. = feet Below Grade
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. SC-5
Monitoring Well ID: NA

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: MARCOR Remediation
Driller: J. Agar
Drilling Method: Concrete corer and Geoprobe Equip.
Sampling Method: 2" x 4' Macro-core
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 5-04-01 1205
Completion Date/Time: 5-04-01 1120
Elevation: NA
Weather: Sunny, Low/mid 80s

Ft. B.G.	C	Sample Information: Sample Interval	Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
0							CONCRETE	Four-inch concrete core - *no apparent staining*	
		0.3 - 1.5 ft.		39	15	S1	FINE SAND AND GRAVEL	Dry, brown and gray, fine SAND, trace fine GRAVEL - *staining*	
2									
								Dry, brown and orange, very fine and fine SAND, little medium GRAVEL, trace coarse GRAVEL - *gray streaking*	
4		1.5 - 4.0 ft.		73	30	S2			
		Macro-core: 0.3-4 ft. B.G.	24"					End of coring @ 4 ft. B.G.	
6									
8									
10									
12									
14									
16									
18									
20									
22									
24									
26									
28									
30									

Notes: ft. B.G. = feet Below Grade
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)

APRIL 2001
EXTERIOR SOIL BORING/MONITORING WELL INSTALLATION LOGS

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. MW-1
Monitoring Well ID: MW-1

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: Nothnagle Drilling
Driller: Neal
Drilling Method: Mite-E-Mite/ 4.25" HSA
Sampling Method: 2" x 2' Split-spoon
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 4-18-01 0920
Completion Date/Time: 4-20-01 0900
Elevation: NA
Weather: Ptly Cloudy, Brisk, Hi 40s/Low 50s

Ft. B.G.	C	Blows on Sampler (N) 0-6"	6-12"	12-18"	18-24"	Sample Information Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
0										ASPHALT	Asphalt	
			3									
				3								
2					3	8"	52	26	S1		Dry, brown, fine SAND	
		3									Dry, orange, fine SAND	
			4									
				3						FINE SAND		
4					3	4"	45.4	22	S2		Moist, orange, fine SAND	
		4										
			5									
				3								
6					5	12"	116	80	S3			
		5										
			6									
				7						GRAVEL	Moist, black, fine and medium GRAVEL	
8					9	24"	235	96	S4		Moist to dry, orange, fine SAND	
		4										
			6									
				6								
10					6	12"	1162	461	S5		Moist to dry, orange-brown, fine SAND - iron banding	
		9										
			10									
				11								
12					12	16"	889	580	S6		Moist to dry, orange-brown, very fine SAND	
		12										
			12									
				13								
14					16	24"	111	111	S7		Dry, light brown, medium SAND	
		16								LAYERED FINE SAND, MEDIUM SAND AND SILT (VARIABLE THICKNESS/ LENSES)		
			18									
				25								
16					27	15"	181	50	S8		Dry, light brown, fine SAND - layered	
		40										
			29									
				29								
18					6	24"	333	130	S9		Dry, light brown, fine to medium SAND, trace SILT - layered	
		17										
			25									
				30								
20					30	12"	374	150	S10		S.A.A.	
		14										
			20									
				27								
22					28	16"	234	25.2	S11		Wet, light brown, medium SAND, trace SILT	
		25										
			22								*Depth to water measured @ 23.22 ft. B.G. with augers in place*	
				25								
24					24	24"	107	43	S12		S.A.A.	
		22										
			22									
				27								
26					29	24"	13	6	S13		Saturated, light brown, medium SAND, little SILT	
		18										
			21									
				27								
28					32	16"	15.2	7	S14		Saturated, light brown, fine SAND	
		7										
			15								*greenish discoloration noted at 28-29'*	
				22								
30					25	24"	5.3	5.3	S15		Saturated, brown, fine SAND, some SILT	

Notes: ft. B.G. = feet Below Grade S.A.A. = Same As Above NS = No Sustained reading
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)
** = Headspace measured using a Hnu 10.2 eV PID

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. MW-1
Monitoring Well ID: MW-1

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: Nothnagle Drilling
Driller: Neal
Drilling Method: Mite-E-Mite/ 4.25" HSA
Sampling Method: 2" x 2' Split-spoon
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 4-18-01 0920
Completion Date/Time: 4-20-01 0900
Elevation: NA
Weather: Ptly Cloudy, Brisk, Hi 40s/Low 50s

Ft. B.G.	C	Blows on Sampler (N) 0-6"	6-12"	12-18"	18-24"	Sample Information Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks
30		6								LAYERED FINE SAND, MEDIUM SAND AND SILT (VARIABLE THICKNESS/ LENSES)	Saturated, brown, medium SAND - *greenish discolor.*
			10								
				16							Wet, gray-brown, fine SAND, little to some SILT
32					18	16"	2.5	2.5	S16		
		4									
			4								
				8							
34					16	24"	0.8	0.8	S17		Saturated, gray-brown, medium SAND - iron banding
		4									
			6								
				11							
36					13	16"	3.9	2.2	S18		Saturated, light to dark brown, medium SAND, SILT
		5									
			7								
				8							
38					17	14"	132	NS	S19		S.A.A
		4									
			5								
				5							
40					14	12"	11	11	S20		S.A.A.
		7									
			15								
				21							
42					23	24"	24.7	4.8	S21		iron banding at 41-42' S.A.A.
		6									
			12								
				18							
44					22	18"	7.3	2	S22	FINE SAND AND SILT	Saturated, gray, fine SAND, some SILT
		11									
			13								
				13							
46					15	16"	8	7.5	S23		S.A.A.
		10									
			10								
				10							
48					12	14"	0.7/1.6**	0.7/1.6**	S24		Saturated, gray, fine SAND and SILT
		4									
			5								
				7							
50					12	14"	0.8**	0.8**	S25		S.A.A.
		7									
			11								
				19							
52					28	24"	0.7/0.7**	0.7/0.7**	S26		S.A.A.
		9									
			10								
				13							
54					16	14"	0.4**	0.4**	S27		S.A.A.
		4									
			4								
				7							
56					12	14"	0.4**	0.4**	S28		S.A.A.
		6									
			7								
				12							
58					14	14"	0.4**	0.4**	S29		S.A.A.
		4									
			7								
				8							
60					13	12"	95/17**	NS	S30		S.A.A.

Notes: ft. B.G. = feet Below Grade S.A.A. = Same As Above NS = No Sustained reading
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)
** = Headspace measured using a Hnu 10.2 eV PID

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. MW-1
Monitoring Well ID: MW-1

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: Nothnagle Drilling
Driller: Neal
Drilling Method: Mite-E-Mite/ 4.25" HSA
Sampling Method: 2" x 2' Split-spoon
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 4-18-01 0920
Completion Date/Time: 4-20-01 0900
Elevation: NA
Weather: Ptly Cloudy, Brisk, Hi 40s/Low 50s

Ft. B.G.	C	Blows on Sampler (N) 0-6"	6-12"	12-18"	18-24"	Sample Information Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
60		10									Saturated, gray, very fine SAND and SILT	
			10									
				14								
62					16	12"	31	31	S31		S.A.A	
		3										
			2									
				8						VERY FINE SAND AND SILT		
64					9	6"	41	2	S32		S.A.A	
		10										
			11									
				12								
66					10	14"	1.3	1.3	S33		S.A.A	
		7										
			6									
				7								
68					10	14"	1.0**	1.0**	S34		S.A.A	
		10										
			11									
				11								
70					18	24"	0.9**	0.9**	S35		S.A.A.	
		12										
			14									
				18		16"	-	NS	S36			
72				100/0.2						SILT & CLAY	Wet, gray, SILT and CLAY at 71.4 - 71.8'	
											End of boring @ 71.8 ft. B.G. - Refusal (bedrock)	
74												See Overburden Monitoring Well Log for Design Details/As-Builts
76												
78												
80												
82												
84												
86												
88												
90												

Notes: ft. B.G. = feet Below Grade S.A.A. = Same As Above NS = No Sustained reading
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)
** = Headspace measured using a Hnu 10.2 eV PID

SEAR·BROWN

OVERBURDEN MONITORING WELL

DESIGN DETAILS

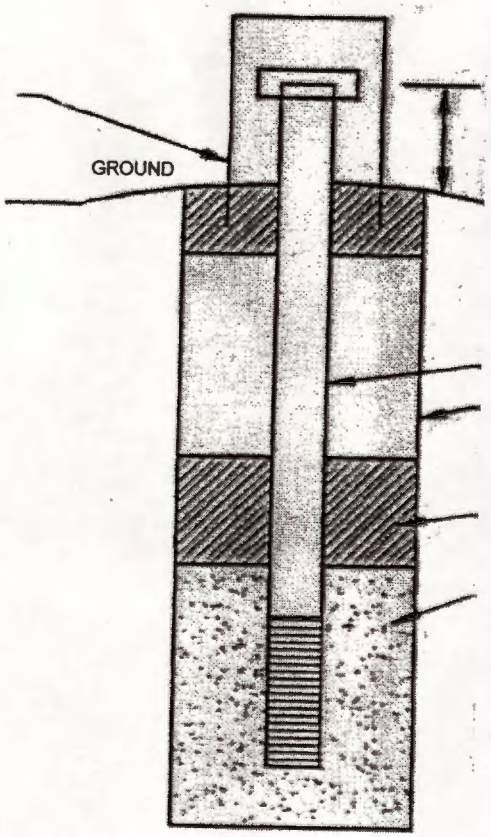
PROJECT NAME 115 North Washington Street
PROJECT NUMBER 1636601
CLIENT Boylan, Brown, et. al.
LOCATION 115 North Washington Street
East Rochester, New York

HOLE DESIGNATION **MW-1**
DATE COMPLETED 4/20/01
DRILLING METHOD Mite-E-Mite/ 4.25" HSA
GEOLOGIST A. Krause, Sear-Brown
WELL INSTALLATION Nothnagle Drilling

CAP TYPE J-plug

PROTECTIVE CASING

GROUND



STICK-UP NA ft
8" Flush-mount Road Box

SURFACE SEAL TYPE Quick-krete

TOP OF SEAL* AT 51 ft

BOTTOM OF SEAL* AT 53.5 ft

TOP OF SCREEN* AT 56.8 ft

BOTTOM OF SCREEN* AT 71.8 ft

BOTTOM OF HOLE* AT 71.8 ft (Rock)

WELL CASING
ANNULUS BACKFILL
TYPE: Grout

SEAL TYPE: Bentonite Pellets

PACK TYPE: - SAND, SIZE

5/7/2001 (D. Gnage)
Bottom of Hole sounded: 69.80 ft BTOC

* NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

SCREEN TYPE: CONTINUOUS SLOT PERFORATED ___ LOUVRE ___ OTHER

SCREEN MATERIAL: STAINLESS STEEL ___ PVC X OTHER

SCREEN LENGTH: 15 ft SCREEN DIAMETER 2 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 2 in

HOLE DIAMETER: 4 inches

WELL DEVELOPMENT: METHOD: Foot valve/ Dedicated Tubing VOLUME: 77 gallons

5/04/01 (D. Gnage) DTB: 70.00 ft (NM)
DTW: 21.87 ft
Water Column: 48.13 ft x (0.16 ga./ft) = 7.70 gallons per well volume (10 volumes) = 77 gallons purged

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. MW-2
Monitoring Well ID: MW-2

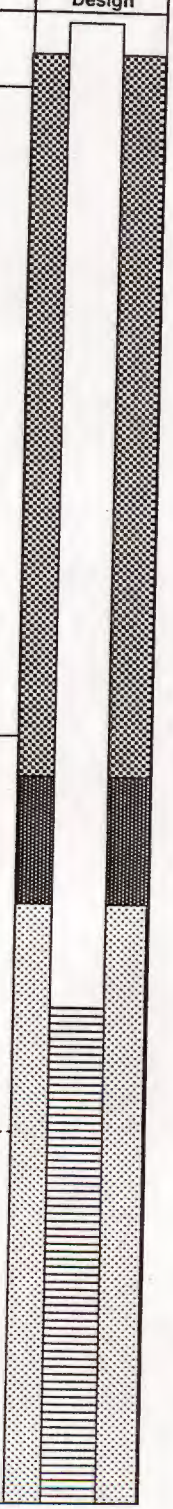
Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: Nothnagle Drilling
Driller: Kevin B.
Drilling Method: BK-81/ 4.25" HSA
Sampling Method: 2" x 2' Split-spoon
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 4-19-01 0830
Completion Date/Time: 4-19-01 1315
Elevation: NA
Weather: Sunny, Breezy Low 50s

Ft. B.G.	C	Blows on Sampler (N) 0-6"	6-12"	12-18"	18-24"	Sample Information Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks
0		6								FILL	Concrete and GRAVEL
			14								
				9							
2					8	14"	25	5	S1		Dry, orange, medium SAND, some fine GRAVEL
		4									
			4								
				3							
4					1	12"	7	3.7	S2		S.A.A.
		2								MEDIUM TO FINE SAND AND VARIABLE GRAVELS	
			2								
				1							
6					1	6"	65	15	S3		Moist to wet, gray, coarse GRAVEL and orange, medium SAND
		1									
			1								
				WH							
8					1	4"	28.9	9.7	S4		Moist to dry, orange, medium SAND, some fine GRAVEL
		1									
			1								
				WH							
10					1	8"	35.9	9.7	S5		Dry, orange, medium SAND, trace COBBLES
		2									
			4								
				5							
12					6	16"	8.5	2	S6		Dry, orange, fine SAND
		2									
			3								
				5							
14					6	16"	10	5.5	S7		S.A.A.
		2									
			5								
				4						FINE SAND	
16					5	18"	10.7	4	S8		Dry, light brown, fine SAND
		3									
			7								
				10							
18					9	18"	72.5	10	S9		S.A.A.
		3									
			9								
				13							
20					13	18"	124	80	S10		S.A.A.
		4									
			11								
				13							
22					15	12"	177	NS	S11		S.A.A.
		3									
			8								
				12							
24					15	14"	30.7	5	S12		Wet, brown, fine SAND
		3									
			8								
				14							
26					14	14"	118	17	S13		Saturated, brown, fine SAND
		6									
			15								
				15							
28					17	10"	55.1	29	S14		S.A.A.
		6									
			16								
				18							
30					16	16"	22	17	S15		S.A.A.

Well Design



Notes: ft. B.G. = feet Below Grade S.A.A. = Same As Above NS = No Sustained reading WH = Weight of Hammer
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)
** = Headspace measured using a Hnu 10.2 eV PID

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. MW-2
Monitoring Well ID: MW-2

Project No.: 1636601
Project Name: 115 N. Washington Street, East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: Nothnagle Drilling
Driller: Kevin B.
Drilling Method: BK-81/ 4.25" HSA
Sampling Method: 2" x 2' Split-spoon
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 4-19-01 0830
Completion Date/Time: 4-19-01 1315
Elevation: NA
Weather: Sunny, Breezy, Low 50s

Ft. B.G.	C	Blows on Sampler (N) 0-6"	6-12"	12-18"	18-24"	Sample Information Rec.	PID* Peak	PID* Sust.	ID No.	Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
30		5								FINE SAND	Saturated, brown, fine SAND	
			9									
				11								
32					14	16"	11.2	4.2	S16		S.A.A.	
34												
36											End of boring @ 35 ft. B.G.	See Overburden Monitoring Well Log for Design Details/As-Builts
38												
40												
42												
44												
46												
48												
50												
52												
54												
56												
58												
60												

Notes: ft. B.G. = feet Below Grade S.A.A. = Same As Above NS = No Sustained reading WH = Weight of Hammer
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)
** = Headspace measured using a Hnu 10.2 eV PID

SEAR·BROWN

OVERBURDEN MONITORING WELL

DESIGN DETAILS

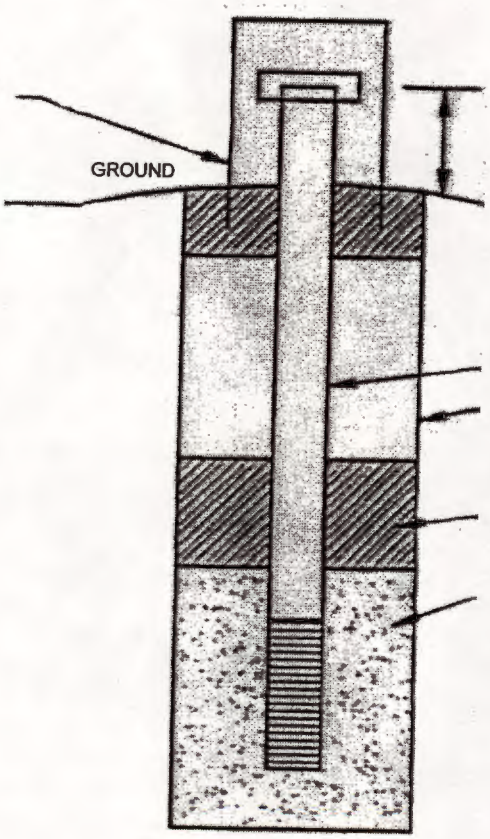
PROJECT NAME 115 North Washington Street
PROJECT NUMBER 1636601
CLIENT Boylan, Brown, et. al.
LOCATION 115 North Washington Street
East Rochester, New York

HOLE DESIGNATION **MW-2**
DATE COMPLETED 4/19/01
DRILLING METHOD BK-81/ 4.25" HSA
GEOLOGIST A. Krause, Sear-Brown
WELL INSTALLATION Nothnagle Drilling

CAP TYPE J-plug

PROTECTIVE CASING

GROUND



STICK-UP NA ft
8" Flush-mount Road Box

SURFACE SEAL TYPE Quick-krete

TOP OF SEAL* AT 15.3 ft

BOTTOM OF SEAL* AT 17.9 ft

TOP OF SCREEN* AT 20 ft

BOTTOM OF SCREEN* AT 35 ft

BOTTOM OF HOLE* AT 35 ft

WELL CASING ANNULUS BACKFILL
TYPE: Grout

SEAL TYPE: Bentonite Chips

PACK TYPE: - SAND, SIZE

* NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

5/7/2001 (D. Gnage)
Bottom of Hole sounded: 33.75 ft BTOC

SCREEN TYPE: CONTINUOUS SLOT PERFORATED ___ LOUVRE ___ OTHER ___

SCREEN MATERIAL: STAINLESS STEEL ___ PVC X OTHER ___

SCREEN LENGTH: 15 ft SCREEN DIAMETER 2 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 2 in

HOLE DIAMETER: 4 inches

WELL DEVELOPMENT: METHOD: Foot valve/ Dedicated Tubing VOLUME: 20 gallons

5/04/01 (D. Gnage) DTB: 35.00 ft (NM)
DTW: 22.88 ft
Water Column: 12.12 ft x (0.16 gal/ft) = 1.94 gallons per well volume (10 volumes) = 19.4 gallons = 20 gallons purged

SEAR·BROWN

85 Metro Park
Rochester, NY 14623
(716) 475-1440

SOIL BORING LOG

Test Boring No. MW-3
Monitoring Well ID: MW-3

Project No.: 1636601
Project Name: 115 N. Washington Street East Rochester, NY
Client: Boylan, Brown, et. al.

Drilling Contractor: Nothnagle Drilling
Driller: Neal
Drilling Method: Mite-E-Mite/ 4.25" HSA
Sampling Method: 2" x 2' Split-spoon
Supervisor: A. Krause, Sear-Brown

Start Date/Time: 4-20-01 0915
Completion Date/Time: 4-20-01 1230
Elevation: NA
Weather: Sunny, Hi 60s

Ft. B.G.		Blows on Sampler (N)				Sample Information				Soil Profile	Soil and Rock Information Observations and Remarks	Well Design
0	C	0-6"	6-12"	12-18"	18-24"	Rec.	PID* Peak	PID* Sust.	ID No.			
		5								ASPHALT	Asphalt and concrete	
			3									
				3								
2					3	12"	90.6	11	S1		Dry, orange, fine SAND, little SILT	
		5										
			7									
				8						SILTY FINE SAND TO MEDIUM SAND		
4					10	8"	97	50	S2		Dry, orange, fine and very fine SAND	
		7										
			8									
				11								
6					10	NR					*COBBLE in shoe - No recovery*	
		5										
			7									
				10								
8					9	14"	5.3	3	S3		Dry, orange, fine and medium SAND	
		3										
			4									
				4								
10					5	18"	4.8	4.8	S4		Dry, light brown, medium SAND	
		6										
			8									
				10								
12					11	16"	10.2	2	S5		Dry, light brown, fine and medium SAND, little SILT	
		5										
			8									
				12								
14					13	20"	8.2	4.6	S6		Dry, light brown, medium SAND, little SILT	
		5										
			7							LAYERED FINE SAND, MEDIUM SAND AND SILT (VARIABLE THICKNESS/ LENSES)		
				9								
16					8	18"	9	3.7	S7		Dry, light brown, fine and medium SAND	
		6										
			8									
				10								
18					13	16"	25.5	11.8	S8		Wet, brown, fine and medium SAND	
		2										
			8									
				7								
20					11	18"	29.3	24	S9		Saturated, brown, very fine and fine SAND, little SILT, trace CLAY	
		3										
			3									
				13								
22					14	16"	60.7	40	S10		Saturated, brown, very fine and fine SAND, little SILT	
		5										
			11									
				12								
24					16	14"	9999***	42	S11		Moist, light brown, medium SAND, little SILT	
		5										
			12									
				15								
26					17	12"	270	260	S12		Saturated, brown, fine SAND and SILT	
		12										
			14									
				15								
28					22	14"	97.3	93	S13		Wet, brown, medium SAND and SILT	
		12										
			14									
				18								
30					19	12"	193	183	S14		Wet to saturated, fine and medium SAND and SILT	
											End of boring @ 30 ft. B.G.	

See Overburden Monitoring Well Log for Design Details/As-Builts

Notes: ft. B.G. = feet Below Grade S.A.A. = Same As Above NR = No Recovery
*PID = Headspace measurements of volatile organic compound vapors in parts per million (ppm), using a MiniRAE2000 (10.6 eV)
** = Headspace measured using a Hnu 10.2 eV PID *** = Moisture interference suspected

SEAR·BROWN

OVERBURDEN MONITORING WELL

DESIGN DETAILS

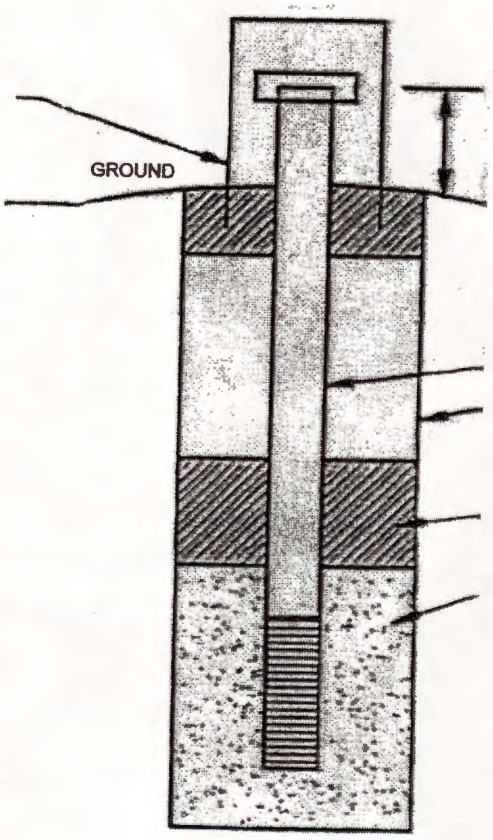
PROJECT NAME 115 North Washington Street
PROJECT NUMBER 1636601
CLIENT Boylan, Brown, et. al.
LOCATION 115 North Washington Street
East Rochester, New York

HOLE DESIGNATION **MW-3**
DATE COMPLETED 4/20/01
DRILLING METHOD Mite-E-Mite/ 4.25" HSA
GEOLOGIST A. Krause, Sear-Brown
WELL INSTALLATION Nothnagle Drilling

CAP TYPE J-plug

PROTECTIVE CASING

GROUND



STICK-UP NA ft
8" Flush-mount Road Box

SURFACE SEAL TYPE Quick-krete

TOP OF SEAL* AT 10 ft

BOTTOM OF SEAL* AT 13 ft

TOP OF SCREEN* AT 15 ft

BOTTOM OF SCREEN* AT 30 ft

BOTTOM OF HOLE* AT 30 ft

WELL CASING
ANNULUS BACKFILL
TYPE: Grout/Portland Type I Cem.

SEAL TYPE: Bentonite Pellets/Chips

PACK TYPE: - SAND, SIZE

* NOTE:
ALL DIMENSIONS ARE
BELOW GROUND SURFACE (BGS)

5/7/2001 (D. Gnage)
Bottom of Hole sounded: 27.00 ft
BTOC

SCREEN TYPE: CONTINUOUS SLOT PERFORATED ___ LOUVRE ___ OTHER

SCREEN MATERIAL: STAINLESS STEEL ___ PVC X OTHER

SCREEN LENGTH: 15 ft SCREEN DIAMETER 2 in SCREEN SLOT SIZE: 0.010

WELL CASING MATERIAL: PVC WELL CASING DIAMETER: 2 in

HOLE DIAMETER: 4 inches

WELL DEVELOPMENT: METHOD: Foot valve/ Dedicated Tubing VOLUME: 20 gallons

5/04/01 (D. Gnage) DTB: 30.00 ft (NM)
(C. Shea) DTW: 18.03 ft
Water Column: 11.97 ft x (0.16 gal/ft) = 1.92 gallons per well volume (10 volumes) = 19.2 gallons = 20 gallons purged

MAY 7, 2001
GROUNDWATER SAMPLING EVENT
LABORATORY ANALYTICAL REPORT

FORMER BRAINERD MANUFACTURING
115 NORTH WASHINGTON STREET
EAST ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Sear-Brown	**Lab Project No.:**	01-1058
Client Job Site:	Brainard	**Lab Sample No.:**	4157
Client Job No.:	16366.01	**Sample Type:**	Water
Field Location:	MW1 - 5/01	**Date Sampled:**	05/07/01
		Date Received:	05/07/01
Field ID No.:	N/A	**Date Analyzed:**	05/11/01 & 05/14/01

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	ND< 2.00
Bromomethane	ND< 2.00	Chlorobenzene	ND< 2.00
Bromoform	ND< 2.00	Ethylbenzene	ND< 2.00
Carbon tetrachloride	ND< 2.00	Toluene	ND< 2.00
Chloroethane	ND< 2.00	m,p - Xylene	ND< 2.00
Chloromethane	ND< 2.00	o - Xylene	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	ND< 2.00
Chloroform	ND< 2.00	1,2-Dichlorobenzene	ND< 2.00
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
cis-1,2-Dichloroethene	ND< 2.00	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 2.00	Acetone	2,580
1,2-Dichloropropane	ND< 2.00	Vinyl acetate	ND< 5.00
cis-1,3-Dichloropropene	ND< 2.00	2-Butanone	ND< 5.00
trans-1,3-Dichloropropen	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
Methylene chloride	ND< 5.00	2-Hexanone	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00	Carbon disulfide	ND< 5.00
Tetrachloroethene	ND< 2.00		
1,1,1-Trichloroethane	ND< 2.00		
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	4.92		
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Sear-Brown	**Lab Project No.:**	01-1058
Client Job Site:	Brainard	**Lab Sample No.:**	4158
Client Job No.:	16366.01	**Sample Type:**	Water
Field Location:	MW2 - 5/01	**Date Sampled:**	05/07/01
		Date Received:	05/07/01
Field ID No.:	N/A	**Date Analyzed:**	05/11/01

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropen	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00
Tetrachloroethene	9.83
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	11.6
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 2.00
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones & Misc.	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 5.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011058v1

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Sear-Brown	**Lab Project No.:**	01-1058
Client Job Site:	Brainard	**Lab Sample No.:**	4159
Client Job No.:	16366.01	**Sample Type:**	Water
Field Location:	MW3 - 5/01	**Date Sampled:**	05/07/01
		Date Received:	05/07/01
Field ID No.:	N/A	**Date Analyzed:**	05/11/01

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropen	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00
Tetrachloroethene	9.13
1,1,1-Trichloroethane	2.95
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	48.4
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 2.00
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones & Misc.	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 5.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011058v2

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Sear-Brown	**Lab Project No.:**	01-1058
Client Job Site:	Brainard	**Lab Sample No.:**	4160
Client Job No.:	16366.01	**Sample Type:**	Water
Field Location:	Trip Blank	**Date Sampled:**	05/07/01
		Date Received:	05/07/01
Field ID No.:	N/A	**Date Analyzed:**	05/11/01

VOLATILE HALOCARBONS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropen	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethan	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Vinyl Chloride	ND< 2.00

VOLATILE AROMATICS	RESULTS (ug/L)
Benzene	ND< 2.00
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p - Xylene	ND< 2.00
o - Xylene	ND< 2.00
Styrene	ND< 2.00
Ketones & Misc.	
Acetone	ND< 10.0
Vinyl acetate	ND< 5.00
2-Butanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
2-Hexanone	ND< 5.00
Carbon disulfide	ND< 5.00

Analytical Method: EPA 8260

ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

011058v3

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Sear-Brown
ADDRESS: 85 Metro Park
CITY: Rochester STATE: NY ZIP: 14623
PHONE: 716-475-1440 FAX: 716-475-3951
ATTN: Mike Storonsky/April Krause
COMMENTS:

INVOICE TO:
COMPANY: Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 01-1058
CLIENT PROJECT #: 16366.01

TURNAROUND TIME: (WORKING DAYS)
☐ 1 ☐ 2 ☐ 3 ☒ 5 (STD) ☐ OTHER

PROJECT NAME/SITE NAME: Brainard 16366.01

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	VOCs 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/7/01	10:35		X	MW1-501	GW	2	X		4157
2	↓	11:50		X	MW2-501	↓	2	X		4158
3	↓	11:15		X	MW3-501	↓	2	X		4159
4	↓				Temp Blank		1			4 8
5	↓				Trip Blanks		2	X		4160
6										
7										
8										
9										
10										

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ☑ PRESERVATIONS: ☑ HOLDING TIME: ☑ TEMPERATURE: ☐ iced

Sampled By: [signature] Date/Time: 5/7/01 13:10
Received By: [signature] Date/Time: 5-7-01 15:10
Relinquished By: Date/Time:
Received By: Date/Time:
Relinquished By: Date/Time:
Received @ Lab By: [signature] Date/Time: 5/7/01 1600

Total Cost:

P.I.F.