SUBSURFACE REMEDIATION REPORT

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

APRIL 2001

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
6274 EAST AVON-LIMA ROAD
AVON, NEW YORK 14414

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April 13, 2001

Mr. Peter Miller
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

RE: Subsurface Remediation Report **15155.07**
180-182 Exchange Street
Rochester, New York
NYSDEC Spill No.: 0070040

Dear Pete:

Pursuant to a contractual agreement between Sear-Brown and the City of Rochester, provided herein is the Subsurface Remediation Report concerning remediation activities that have occurred at the above referenced property. The activities were completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Corrective Action Plan (CAP), dated June 2000. The CAP was designed to address subsurface petroleum contamination (Spill File No. 0070040) detected at the subject property during previous Sear-Brown Phase II Environmental Investigations of the site. Upon completion of the remedial activities described in the CAP, a Petroleum Spill Site Inactivation (PSSI) Evaluation was performed. The methods and results of the remedial program and subsequent PSSI Evaluation are included in the attached report and are submitted to request inactivation of the NYSDEC Spill File.

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

Very truly yours,

Michael P. Storonsky
Senior Associate

cc: Joseph Biondolillo, City of Rochester DEQ w/Attachments

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1.0 Introduction

The site is a 1.67 acre parcel located at 180-182 Exchange Street, in the City of Rochester, in the County of Monroe, New York (Figure 1). The western portion of the subject property is currently a commercially-operated parking lot, while the eastern portion of the site has been recently redeveloped as a pedestrian/bicycle trail in August 2000. Historic Sanborn maps available for the subject property and dating back to the late nineteenth century indicate the site was the previous location of the Monroe County Jail and Monroe County Garage. The Sanborn maps further indicate the historic presence of a mill race, within the eastern portion of the site, which discharged to the abutting Genesee River. Based upon review of these maps, it is evident that the mill race was filled in and a quonset hut erected for use as the Monroe County Sheriff's Garage between 1950 and 1971. The quonset hut was demolished in July 2000 by others as part of the development of the pedestrian/bicycle trail and to facilitate remedial activities designed to address the subsurface petroleum contamination beneath and adjacent to the building. Although the exact operations conducted in conjunction with the former garages have not been determined, the Sanborn maps and other historical records [e.g., City of Rochester Building Information System (BIS) permits and Fire Department records] indicate the historical presence of underground storage tanks within the area of remedial action.

Sear-Brown commenced remedial activities at the 180-182 Exchange Street property in July 2000, in accordance with the scope of work presented in the Corrective Action Plan (CAP) dated June 2000. The CAP was designed to address petroleum-impacted soil and groundwater present within the northeastern portion of the site. The presence and estimated limits of the petroleum contamination were based upon the findings of soil borings, monitoring well installations, soil and groundwater laboratory analyses, geophysical surveys, and test pit excavations conducted by Sear-Brown as part of a series of Phase II Environmental Investigations of the site (Figure 2). Previous work performed at the site included the following:

- A Phase I Environmental Site Assessment (ESA) was conducted by Day Environmental, Inc. (Day) in September 1998 and documented in the "Phase I Environmental Site Assessment Report" dated September 9, 1998.

- In October 1998, Sear-Brown performed a Phase II ESA to address environmental concerns documented in the Day Phase I ESA Report. A Supplemental Phase II Investigation was conducted in November 1998 to assess contamination near the northeastern corner of the quonset hut. The results of both investigations were documented in the "Phase II Environmental Investigation Report" dated February 23, 1999. This report indicated that concentrations of petroleum-related compounds were present in soils at the subject site above New York State Department of Environmental Conservation (NYSDEC) soil guidance values. The affected soils were located adjacent to the northern footprint of the quonset hut.

- Additional Phase II Environmental Investigation activities were conducted by Sear-Brown in 1999 to further delineate the extent of the petroleum impacts to the soil and groundwater at the site, as well as investigate a series of magnetic anomalies found during the EM-61 geophysical survey of the site performed as part of the Phase II ESA conducted in October 1998. The results of this and the previous Phase II investigations performed by Sear-Brown were used to develop a Corrective Action Plan (CAP) for the site. The additional Phase II activities and CAP are discussed in the report entitled "Additional Phase II Environmental Investigation/Corrective Action Plan Report" dated July 2000.

The findings of the Sear-Brown subsurface investigations were forwarded to the NYSDEC for review. The former property owner (Monroe County) forwarded a letter to the NYSDEC on March 31, 1999 along with a copy of the Sear-Brown "Phase II Environmental Investigation Report" (February 23, 1999). A NYSDEC Spill Report File was opened on April 19, 2000, and assigned Spill Number 0070040 (Appendix A). The spill was attributed to tank failure and an unknown quantity of gasoline was reported to have affected the site. On July 6, 2000, a copy of the "Additional Phase II Environmental Investigation/Corrective Action Plan Report" (July 2000) was forwarded to the NYSDEC for review and approval. Verbal approval of the CAP was given by Mr. Peter Miller of the NYSDEC.

The remedial program described in the CAP was implemented by Sear-Brown in July 2000. The methods and results of the remedial activities are presented in this report. Photographic documentation of field-related activities are included as Appendix B.

In October 2000 and January 2001, Sear-Brown conducted post-remedial groundwater sampling events at the site. Subsequent to receipt of the analytical results, a Petroleum Spill Site Inactivation (PSSI) Evaluation was performed to determine if the site is protective of human health and the environment. The results of the PSSI Evaluation are presented in this report and indicate that the site is protective of human health and the environment and that no further action is warranted under the exposure scenarios and receptors considered.

Given the completion of the remedial program executed under the NYSDEC-approved CAP, as well as the conclusions of the PSSI Evaluation, a "No Further Action" status for the site and an iractivation of the spill file is requested.

2.0 Scope of Work

The Corrective Action Plan (CAP) prepared for the 180-182 Exchange Street property included the following remedial activities for the site:

- decommissioning of on-site bedrock monitoring wells MW-1 and MW-2, installed by Sear-Brown during Phase II site activities and located within the proposed soil excavation footprint;
- excavation, removal and disposal of petroleum-impacted soils underlying the northern portion of the former quonset hut and adjacent to an 18-inch diameter, cast-iron cooling water discharge line located north of the quonset hut and directly within the affected area;
- removal of a closed-in-place underground storage tank present within the excavation footprint;
- collection and analysis of confirmatory soil samples at the boundaries of the excavation;
- application of Oxygen Release Compound (ORC®) to the excavation sidewalls and bottom to target residual petroleum contamination in inaccessible soils;
- backfill and compaction of segregated, suitable-for-reuse soils and imported, select fill;
- restoration of the site with 18 inches of No. 2 crusher run to grade;
- installation of three (3) bedrock groundwater monitoring wells (MW-5, MW-6 and MW-7) within the excavation footprint to monitor residual contaminant concentrations in the groundwater;
- collection and analysis of groundwater samples from existing bedrock monitoring wells MW-3 and MW-4 and additional bedrock monitoring wells MW-5, MW-6 and MW-7 on a quarterly basis for one year, if necessary; and
- preparation of a Petroleum Spill Site Inactivation (PSSI) Evaluation supporting inactivation of the Spill File from the NYSDEC.

In addition to the activities outlined in the CAP, Sear-Brown performed the following:

- excavation of two (2) test pits north of the 18-inch discharge line to evaluate the extent of petroleum impacts to inaccessible soils and determine if a secondary source was present beneath a concrete pad located within this area; and
- injection of approximately 270 pounds of ORC® within the northern limits (adjacent to the 18-inch discharge pipe and removed 2000-gallon UST location) and along the western perimeter of the affected area via a 19-point slurry-injection grid.

3.0 Remedial Field Activities

3.1 Agency Coordination

Prior to initiating the CAP at the 180-182 Exchange Street property, Mr. Peter Miller of the NYSDEC was apprised of the proposed scope of work and provided a copy of the "Additional Phase II Environmental Investigation/Corrective Action Plan Report" dated July 6, 2000 for review. Mr. Miller indicated that it would be acceptable to proceed with the scope of work provided in the CAP.

3.2 Groundwater Monitoring Well Abandonment

On June 30, 2000, Sear-Brown supervised the decommissioning of two (2) of the four (4) on-site bedrock groundwater monitoring wells installed during previous Phase II Environmental Investigation activities (Figure 2). Monitoring wells MW-1 and MW-2 were located within the excavation footprint and decommissioned by MARCOR Remediation, Inc. (MARCOR) of Rochester, New York. These wells were replaced subsequent to the remedial excavation activities with monitoring wells MW-5 and MW-6, respectively.

3.3 Soil Excavation, Removal, and Disposal

Prior to commencement of excavation activities, an underground utility stake-out was conducted by the Underground Facilities Protection Organization (UFPO) and the City of Rochester to locate publicly and privately owned underground utilities within and adjacent to the area of concern. In addition, the Monroe County Department of Facilities Management was contacted to field locate the 18-inch diameter cast-iron cooling water discharge line, maintained by the Monroe County Civic Center, transecting the area of proposed excavation. The field mark-out of the discharge line was confirmed by hand excavation at a discrete location near a reported bend in the pipe.

To ensure the structural integrity of the 18-inch discharge line throughout the excavation portion of the program, a horizontal distance of a minimum of four (4) feet from the base of the discharge line and a 1:1 vertical slope thereafter was maintained to the bottom of the excavation. In addition, excavation was not initiated north of the discharge line due to the following considerations:

- physical condition of the 18-inch discharge line;
- other utility and property boundary locations; and
- limited volume of contaminated soil accessible for excavation on the north side of the 18-inch discharge line.

Two (2) test pits (TP-1 and TP-2) were conducted north of the pipe to evaluate the extent of petroleum impact to the subsurface and estimate the accessible volume of

contaminated soil within this area. Based upon the test pitting and previous soil boring analytical results, a conservative estimate of approximately 44 cubic yards of accessible impacted soil would remain (Appendix I). This conservative estimated volume comprises approximately ten percent of the total petroleum-contaminated soil excavated south of the discharge line. Supplemental ORC® injection points were placed north of the discharge line following the excavation program to address these impacted soils. Test pit methods and results are discussed in Section 3.8.

Excavation to remove petroleum-impacted soils within the northeast portion of the subject property commenced on July 17, 2000, and was conducted by MARCOR, under the supervision of a qualified Sear-Brown environmental professional. Asphalt and concrete north of the former quonset hut footprint were removed and staged as construction-related debris for future disposal. Excavation using a PC200LC excavator began at the interpreted southeastern extent of the petroleum-affected soils and proceeded to the north and west at the established slope to the 18-inch discharge line.

Field screening using a MiniRAE 2000 photoionization detector (PID), equipped with a 10.6 eV lamp, was performed during excavation activities to guide excavation efforts and determine probable limits of excavation for confirmatory soil sampling. Specifically, grab soil samples from the excavation were collected and placed in individual sealed containers. The volatile organic compound (VOC) vapors were allowed to accumulate within the headspace of the containers and were then screened using the PID. When headspace measurements of VOC vapor concentrations in soil samples collected from the excavation sidewalls were 10 parts per million (ppm) or below using the PID, the excavation was terminated in that direction and confirmatory soil samples were obtained for laboratory analysis. In addition, field screening was used to ensure proper segregation of soils that overlaid the petroleum-impacted soils and would be considered suitable for reuse as backfill material.

Excavation of the affected soils proceeded in two (2) phases (Figure 3). An area of approximately 2,700 square feet (sq. ft.) was excavated to a depth of approximately 14 feet (ft.) below grade, at which competent bedrock was encountered (Photos 1 - 5). As the excavation approached the 18-inch discharge line at the northern extent of the excavation footprint, an area of approximately 440 sq. ft. was then excavated at an approximate 1:1 slope (Photo 6). During excavation of this area, a 2,000-gallon closed-in-place underground storage tank (UST) was found adjacent to the northern footing of the former quonset hut and immediately south of the 18-inch discharge line (Photo 7). The tank was removed as part of these remedial activities. Based upon the tank condition (i.e., visible holes in the tank shell) and the location of the subsurface petroleum contamination, the 2,000-gallon UST was determined to be the probable source of the release (Photos 8 – 11). Tank removal activities are summarized further below (Section 3.4).

Soils encountered during excavation consisted of fill materials, overlying sands and silt, overlying clay. Soils were removed, segregated, and staged on poly sheeting immediately south of the excavation area. Segregation of the soils was based upon material composition and field screening measurements using the PID. Excavated materials were segregated as follows: construction-related debris for off-site disposal, materials suitable for reuse as on-site backfill, and petroleum-impacted soils for off-site disposal. The removal of construction-related debris and clean fill material was necessary to access the affected soils present beneath these materials. Observed subsurface composition and conditions within the area of remedial excavation are described below:

- *Fill materials* comprised of concrete and blasted bedrock were present from grade to a depth of approximately 8 – 11 ft. below grade in a discrete V-shape at the southeastern limits of the excavation footprint. This loose fill material is most likely the remnants of the former mill race, which had reportedly occupied a portion of the subject property. Brick, asphalt, and other construction-related materials were generally encountered from grade to depths ranging from approximately 4 – 6 ft. below grade in the remaining area of excavation. The fill materials encountered during the excavation did not exhibit petroleum impacts. In general, PID measurements from periodic grab samples obtained from these materials were non-detect.

- *Brown sands and fine gravels* were present below the fill materials to a depth of approximately 6 – 8 ft. below grade throughout the excavated area. In general, these soils did not exhibit petroleum contamination and the majority was staged on-site for reuse as backfill material. PID measurements ranging from non-detect to 7.0 ppm were detected from periodic grab samples obtained from these soils.

- *Gray fine sands and silt, with little coarse gravel* were encountered in stratified layers at depths ranging from 7 – 11 ft. below grade throughout the excavated area. Petrified tree limbs were also found present at these depths along the western portion of the excavation. The majority of the petroleum impacts encountered during excavation was located within this horizon; the petroleum impacts appeared to extend from the base of the 2,000-gallon UST in the northern portion of the excavation and taper off with depth to the south. PID measurements ranging from 33 ppm to 3,229 ppm were detected from periodic grab samples obtained from these soils.

- *Gray silt and clay, with little fine sand* were encountered from approximately 11 – 14.5 ft. below grade throughout the excavation. The thickness of this horizon was observed to increase from approximately 2 ft. at the southern excavation limits to 3.5 ft. at the northern excavation limits. This horizon was located overlying bedrock and appeared to be minimally impacted by the petroleum

release. PID measurements ranging from non-detect to 7 ppm were detected from periodic grab samples obtained from these soils.

- *Bedrock* was encountered at depths ranging from approximately 13.5 – 14.5 ft. below grade in the excavated area and was relatively planar. The top of bedrock beneath the site consists of the Gasport Dolomite Formation of the Lower Lockport Group overlying the Decew Dolomite Formation of the Upper Clinton Group. The top of bedrock within the excavation was competent and not overlaid with a weathered/erosional bedrock layer. During the course of excavation, approximately 3 – 6 inches of groundwater was observed at the bedrock interface. No sheen was observed on the groundwater. Due to the minimal volume of groundwater observed within the excavation, and the absence of a sheen, dewatering procedures were not implemented.

A total of approximately 1,207 cubic yards of material was excavated as a result of the remedial activities, of which approximately 750 cubic yards were deemed suitable for re-use as on-site backfill materials. Approximately 410 cubic yards (616 tons) of non-hazardous, petroleum-contaminated soil were transported off-site for disposal at the Monroe County Mill Seat Landfill located in Riga, New York. The remainder of the unsuitable backfill material was comprised of construction-related debris and was disposed of at Dolomite Products Company of Gates, New York. Copies of the bills of lading and weigh tickets concerning the soil disposal are included in Appendix C.

3.4 UST Removal and Disposal

During the course of the remedial excavation activities, one (1) 2,000-gallon, single-wall, steel UST and associated piping were unearthed (Photo 7). The UST was orientated longitudinally in the east-west direction, located south of the 18-inch discharge line and adjacent to the northern foundation wall of the former quonset hut. The tank had reportedly been previously closed in-place with K-Crete in the late 1980s by the former owner of the site (Monroe County). Upon approval by Lieutenant Joseph Childs of the City of Rochester Fire Department, the tank was cut open and the contents removed with the excavator (Photos 9 and 10). The contents appeared to be K-Crete, which exhibited visual indications of impacts from petroleum residual within the UST. The contents were staged and disposed of with the petroleum-impacted soils. The UST was removed from the excavation area and disposed of as scrap metal at Genesee Scrap and Tin Baling Corporation. Tank removal documentation is included in Appendix D.

At the time of removal, perforations/holes in the bottom of the tank were noted (Photo 8). Minimal pitting of the associated piping was also observed. Orientation and termination of the UST piping could not be determined.

Petroleum-impacted soils, as evidenced by heavy staining and discoloration of the soils, were observed along the tank pit sidewalls and bottom. Due to the proximity of the UST to the 18-inch discharge line, further excavation to the north was not performed. In addition, excavation at depths beyond the base of the tank pit (approximately 9 feet below grade) was prohibited due to the potential for undermining the discharge line. PID measurements of grab samples obtained from the undisturbed northern sidewall and bottom of the tank pit ranged from 51 ppm to 830 ppm.

3.5 Confirmatory Soil Sample Collection and Analysis

When headspace measurements of VOC vapor concentrations of soil samples collected from the excavation sidewalls were 10 ppm or below using the PID, the excavation was terminated in that direction and confirmatory soil samples were obtained for laboratory analysis. Confirmatory soil samples were obtained from the undisturbed sidewalls of the excavation for laboratory analysis. The confirmatory soil samples were collected in accordance with the NYSDEC Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance Policy (August 1992). Sixteen confirmatory soil samples were obtained from the undisturbed sidewalls of the excavation using an excavator bucket. Each soil sample was a composite of a minimum of three (3) grab samples taken from the excavator bucket. Laboratory-prepared, four-ounce glass jars were filled to the top with soil to minimize sample headspace. Soil samples were then placed on ice in a cooler and submitted under chain-of-custody protocol to Paradigm Environmental Services, Inc. (Paradigm), a New York State Department of Health certified laboratory, for analysis. Each soil sample was analyzed for total concentrations of NYSDEC STARS Memo #1 (August 1992) VOCs by EPA Method 8021.

A total of 16 confirmatory soil samples and one (1) QA/QC duplicate soil sample were submitted for laboratory analysis. The confirmatory soil samples were collected in a manner to effectively represent the excavated area. In general, sidewall (SW) samples were comprised of soils obtained from approximately 6 – 10 ft. below grade. Since competent bedrock comprised the floor of the majority of the excavation, soil samples obtained from the overlying clay horizon (approximately 11 – 14.5 ft. below grade) were submitted as bottom (BOTT) samples. More discrete sampling was performed along the northern and eastern walls of the excavation in order to determine the extent and disposition of residual petroleum-contamination present within the inaccessible soils in the vicinity of the following limiting conditions: the 18-inch discharge line, removed UST, underground electrical conduit and the Genesee River concrete retaining wall.

Soil sample locations are illustrated in Figure 3. Laboratory analytical results were compared to NYSDEC STARS (August 1992) Alternative Guidance Values (AGVs) for gasoline-contaminated soils and the NYSDEC Technical and Administrative

Guidance Memorandum (TAGM): Determination of soil cleanup objectives and cleanup levels recommended soil cleanup objectives (RSCO Revised December 20, 2000) and are summarized in Table 1. The laboratory analytical report with chain-of-custody documentation is included as Appendix E.

Southern Limits (SOUTH)
The analytical results indicate concentrations of STARS VOCs in soil samples submitted from the south sidewall (SOUTH–SW) and bottom (SOUTH-BOTT) were either non-detect or below the respective guidance values.

Southwestern Limits (SWEST)
The analytical results indicate concentrations of STARS VOCs in the soil sample submitted from the southwest sidewall (SWEST-SW) were either non-detect or below the respective guidance values. A benzene concentration of 178 parts per billion (ppb) was reported for the southwest bottom (SWEST-BOTT) sample, which exceeds the respective STARS AGV of 14 ppb and the RSCO of 60 ppb. In addition, m- and p-xylenes were detected at a concentration of 185 ppb in the SWEST-BOTT soil sample, which exceeds the STARS AGV of 100 ppb but is below the RSCO of 1,200 ppb. Concentrations of other STARS VOCs in the SWEST-BOTT soil sample were either not detected or below the respective guidance values.

Further excavation to the southwest was not pursued due to field screening measurements using the PID (i.e., 10 ppm or less of headspace VOC vapors) and the presence of the former mill race retaining wall.

Western Limits (WEST)
The analytical results indicate concentrations of STARS VOCs in the soil sample submitted from the west sidewall (WEST-SW) were either non-detect or below the respective guidance values. A benzene concentration of 114 ppb was reported for the west bottom (WEST-BOTT) sample, which exceeds the respective STARS AGV of 14 ppb and the RSCO of 60 ppb. Concentrations of other STARS VOCs in the WEST-BOTT soil sample were either not detected or below the respective guidance values.

Further excavation to the west was not pursued due to field screening measurements using the PID (i.e., 10 ppm or less of headspace VOC vapors) and constraints imposed by the presence of sewer lines and the 18-inch discharge line was reported to be oriented parallel to the western edge of the excavation in this area.

Northwestern Limits (NWEST)
The analytical results indicate concentrations of STARS VOCs in the soil sample submitted from the northwest sidewall (NWEST-SW) were either not detected or below the respective guidance values. A benzene concentration of 35.8 ppb was reported for the northwest bottom (NWEST-BOTT) sample, which exceeds the respective STARS AGV of 14 ppb but is below the RSCO of 60 ppb. In addition, 1,2,4-trimethylbenzene

was detected at a concentration of 240 ppb in the NWEST-BOTT soil sample, which exceeds the respective STARS AGV of 100 ppb but is well below the RSCO of 13,000 ppb. Concentrations of other STARS VOCs in the NWEST-BOTT soil sample were either not detected or below the respective STARS guidance values.

Further excavation was not pursued to the northwest due to field screening measurements using the PID (i.e., 10 ppm or less of headspace VOC vapors) and proximity of a reported bend in the 18-inch discharge line.

Northern Limits (NORTH)

The analytical results indicate no detectable STARS VOCs were found present within the north sidewall (NORTH-SW) sample collected from the northern excavation limits, west of the tank excavation. Several VOCs were detected above the guidance values in the north bottom (NORTH-BOTT) soil sample.

Three soil samples were obtained from within the tank excavation area. The NTANK-SW soil sample was obtained at the depth (approximately 8 feet below grade) of the former tank bottom, and the NTANK-BOTT soil sample was obtained from the excavation bottom (approximately 11 – 14.5 ft. below grade) adjacent to the former 2,000-gallon UST location. The NEAST-SW soil sample was collected from the northeast sidewall of the tank excavation at approximately 6 – 8 ft. below grade. Several STARS VOCs were detected in the NTANK-SW and NTANK-BOTT soil samples at concentrations exceeding respective guidance values. A 1,2,4-trimethylbenzene concentration of 150 ppb was reported for the NEAST-SW sample, which exceeds the respective STARS AGV of 100 ppb but is well below the RSCO of 13,000 ppb. Concentrations of other STARS VOCs in the NEAST-SW soil sample were either not detected or detected below the respective STARS guidance values.

Further excavation to the north of the tank pit was not permissible due to the proximity of the 18-inch discharge line and associated structural integrity concerns.

Northeastern and Eastern Limits (NEAST and EAST)

The analytical results indicate a benzene concentration of 13.7 ppb, which is below the respective STARS AGV of 14 ppb and the RSCO of 60 ppb, in the northeastern sidewall (NEAST-SW 3.5) soil sample which was obtained from the excavation at a depth of approximately 3.5 feet below grade. No other STARS VOCs were reported detected in the NEAST-SW 3.5 soil sample.

A benzene concentration of 23.1 ppb was detected in the east sidewall (EAST-SW) sample, which is above the respective STARS AGV of 14 ppb but is below the RSCO of 60 ppb. Concentrations of other STARS VOCs were either not detected or detected below the respective guidance values. Concentrations of benzene were 30 ppb and 25 ppb for the east bottom (EAST-BOTT 1) soil sample and QA/QC duplicate (EAST-BOTT 2) soil sample, respectively, which are above the STARS AGV for benzene of

14 ppb but are below the RSCO of 60 ppb. Concentrations of other STARS VOCs in these bottom soil samples were either not detected or detected below the respective STARS guidance values.

Further excavation to the northeast and east was not pursued due to the presence of an underground electrical utility and the location of the Genesee River retaining wall.

Confirmatory Soil Sample Summary

Remedial excavation activities resulted in the removal of approximately 410 cubic yards of petroleum-impacted soils from depths ranging from 7 – 14.5 ft. below grade in the affected area. Previous investigation conducted within the excavation footprint (Figure 2 and Appendix K) indicated total concentrations of STARS list VOCs within these removed soils ranged from 660.5 ppb (GP-104) to 281,600 ppb (GP-101). Analysis of confirmatory soil samples obtained from the sidewalls (6 – 10 ft. below grade) and bottom (11 – 14.5 ft. below grade) of the remedial excavation indicated total concentrations of STARS list VOCs ranged from 8.7 ppb (NWEST-SW) to 446.6 ppb (SWEST-BOTT). Total concentrations of STARS list VOCs within remaining soils (9 – 14.5 ft. below grade) beneath the removed UST decreased from 1, 571,165 ppb (B-4) to 641,500 ppb (NTANK-SW) and 6,190.5 ppb (NTANK-BOTT). Total concentrations of STARS list VOCs within remaining soils at the northern excavation limit and adjacent to the 18-inch discharge line decreased from 12,566 ppb (B-5) to 6,744 ppb (NORTH-BOTT).

Comparison of pre- and post-excavation analytical results indicate that in those areas unimpeded by structural and/or utility limitations, the excavation efforts were successful in removing the majority of the affected soil and its source. With the exception of the northern excavation boundary, excavation was conducted to the top of competent bedrock and therefore resulted in the removal of all impacted soil within the excavation footprint.

3.6 Application of ORC® to Residual Contamination

In order to address the residual petroleum contamination remaining within the subsurface, 830 pounds of Oxygen Release Compound (ORC®) was applied to the exposed walls and floor of the remedial excavation subsequent to confirmatory soil sampling (Photos 14 – 17). Due to stability concerns regarding the excavation sidewalls, ORC® application and partial backfilling of the excavation proceeded in stages from the southern limits of the excavation. Distribution of the ORC® was based upon estimated residual petroleum contamination in the subsurface. As a result, the ORC® was concentrated at the northern extent of the excavation and the application amount gradually decreased towards the southern excavation limits. The ORC® was applied as a dry powder and spread in a controlled fashion by the excavator bucket.

3.7 *Backfill, Compaction, and Site Restoration*

Subsequent to ORC application to the excavation sidewalls and floor, the excavation was backfilled with staged soils suitable for on-site reuse and imported select fill (Photos 18 –20). Approximately 612 tons of clean fill was imported from ELAM Sand & Gravel Corp. of West Bloomfield, New York. Copies of the Certificate of Clean Fill and weigh tickets are included in Appendix F.

Compaction was achieved in 10-inch lifts during backfill procedures. A vibratory plate compactor was used at depths of four feet and above in the area immediately adjacent to the 18-inch discharge line to ensure maintenance of structural integrity of the pipe. The excavator was used to compact the remaining area of excavation.

The final 18 inches of the backfilled excavation was completed with No. 2 crusher run from Dolomite Products, Co., located in Rochester, New York (Photos 21 – 23). Due to the redevelopment of the area as a pedestrian/bicycle path, further site restoration activities were not required.

3.8 *Test Pits*

Due to the location and condition of the 18-inch discharge line, as well as other property and utility considerations, excavation did not proceed to the north of the pipe. In lieu of excavation, two (2) test pits were conducted in this area. The purpose of the test pits was to evaluate the extent of the petroleum impact to the inaccessible soils and to determine if a secondary source (e.g., pump island piping or an additional UST) was present beneath a concrete pad located within this area. The test pits were conducted between the remaining bedrock groundwater monitoring wells MW-3 and MW-4. The location of Test Pit 1 (TP-1) and Test Pit 2 (TP-2) are illustrated on Figure 3, and test pit logs are included in Appendix H.

Test Pit 1 was located immediately east of MW-4 and measured approximately 5 feet by 7 feet, and 8 feet in depth. Petroleum-impacted soils were encountered at the base of the excavation. A PID measurement of 107 ppm was recorded for a grab sample taken from the test pit bottom, approximately 8 feet below grade. No soil sample was collected from Test Pit 1 for laboratory analysis.

Test Pit 2 was located immediately west of MW-3 and measured 11 feet by 9 feet, and 11 feet in depth. No petroleum contamination was observed during the excavation of Test Pit 2. One sidewall (NTESTPIT-SW) and one bottom (NTESTPIT-BOTT) sample were obtained from this test pit and submitted to Paradigm for total concentrations of STARS volatile organic compound (VOC) analysis by EPA Method 8021. The laboratory analytical results indicate no detectable concentrations of STARS VOCs were found within the sidewall test pit sample. A benzene concentration of 15.4 ppb was reported for the test pit bottom

sample, which slightly exceeds the STARS AGV of 14 ppb; no other detectable STARS VOCs were found present within this test pit bottom sample. The laboratory analytical results for Test Pit 2 are summarized in Table 1.

Soils encountered during the test pit excavation were brick and other fill materials, overlying sands and silt, overlying clay. No groundwater was observed in either test pit during excavation. Soil removal, replacement, and compaction of the test pits were conducted in the same manner by which the remedial excavation was completed.

Based upon the test pitting and previous soil boring analytical results, a conservative estimate of approximately 44 cubic yards of impacted soil was calculated to remain north of the 18-inch discharge line (Appendix I). This estimated volume comprises approximately ten percent of the total petroleum-contaminated soil excavated south of the discharge line (410 cubic yards). Additionally, concentrations of total BTEX (benzene, toluene, ethyl benzene and xylenes) in accessible soils remaining north of the pipe were generally one to three orders of magnitude less than those from soils removed south of the discharge line, as indicated by laboratory analytical results from Test Pit 2 and previous borings (i.e., GP-101, GP-102, and GP-104). In light of the estimated impacted soil volumes and utility and property boundary constraints and concerns, further excavation to the north of the pipe was not pursued. Supplemental ORC® injection points were placed north of the discharge line following the excavation program to address these impacted soils.

3.9 ORC® Slurry Injections

Based upon the results of the confirmatory soil sampling and excavation limitations posed by a number of northerly constraints, Sear-Brown conducted an ORC® slurry injection program within the northern limits and along the western perimeter of the affected area in September 2000. The purpose of the ORC® injections was to target residual petroleum contamination within soils adjacent to the remedial excavation area.

The ORC® injection grid consisted of 19 points. The injection points and pounds of ORC® per point were concentrated in the area adjacent to the 18-inch discharge line and within the area of the former 2000-gallon UST, with consideration given to utility and proposed replacement monitoring well locations. For each point, a Geoprobe® Grout System GS-1000 Series Pump was used to inject a slurry of approximately 67-71% ORC® from the bedrock interface (13.5 – 15.5 ft. below grade) to depths ranging from approximately 4 - 8 ft. below grade. A total of 270 pounds of ORC® was injected into the subsurface as part of this program.

3.10 Installation of Replacement Bedrock Monitoring Wells

On September 18 and 19, 2000, three (3) bedrock groundwater monitoring wells were installed within the excavation footprint to monitor residual contaminant concentrations in the groundwater. Monitoring wells MW-5 and MW-6 were installed to replace MW-2 and MW-1, respectively, which were decommissioned prior to the remedial excavation activities. The third well, MW-7, was placed southwest of the excavation boundary, within the former quonset hut footprint. Well locations were subject to utility clearance and limitations posed by the recently constructed pedestrian/bicycle path. Monitoring well locations are illustrated in Figure 3.

Each of the three (3) groundwater monitoring wells was installed to straddle the bedrock/overburden interface to evaluate site groundwater quality. The borings were advanced with four and one-quarter inch inside diameter hollow stem augers. Continuous split spoon samples were collected to auger refusal, which ranged from 13.3 - 14.0 feet below grade. The borings were then advanced 5 feet into bedrock using a HQ diamond-coring bit. The borings were completed as groundwater monitoring wells constructed with Schedule-40 PVC solid riser and 0.10-inch slot well screens, which were ten feet in length. Approximately 5 feet of screen was installed in bedrock and five feet of screen was installed in the overburden. Sand packs were placed in the well annulus surrounding the well screens and extended a minimum of 2 feet above the well screens. The sand packs were capped with bentonite seals and the remaining annulus was grouted to the surface. The wells were completed with flush-mounted curb boxes. Boring logs and monitoring well diagrams are presented in Appendix H.

Soil and rock core samples were examined for physical indications of contamination such as staining, oils, fill material, etc. The split spoon soil samples were screened with a PID, and the results are summarized on the boring logs. PID readings of VOC vapors in soil samples collected from MW-5 ranged from non-detect to 319 ppm at the bedrock/overburden interface, with a sustained reading ranging from non-detect to 23 ppm. For the soil samples collected from MW-6, PID readings of VOC vapors in soil sample headspaces ranged from non-detect to 1.6 ppm, with the exception of the 0 – 2 ft. soil sample which measured 12.4 ppm, which can be attributable to organics in the shallow fill materials. PID readings of VOC vapors in soil samples collected from MW-7 ranged from non-detect to greater than 500 ppm in the 10 – 12 ft. soil sample. There were no visual indications of petroleum impacts noted in the rock core samples.

One (1) soil sample from MW-7 was submitted to Paradigm for total concentrations of STARS VOC analysis by EPA Method 8021. Several VOCs were detected in the MW-7 soil sample obtained from 10 – 12 ft. below grade. Detected VOC concentrations were above the respective STARS guidance values in the MW-7 soil

sample. The laboratory analytical results are summarized in Table 2 and are included, along with chain-of-custody documentation, in Appendix E.

Subsequent to installation, the wells were developed to remove sediment left in the well during the installation process. Two methods of development were used to remove approximately ten (10) well volumes from each well. The first five (5) volumes were removed using a Watterra Hydrolift foot valve. Monitoring well MW-7 went dry after purging five (5) well volumes using this method. For MW-5 and MW-6, the remaining five (5) well volumes were removed using a peristaltic pump with dedicated low-density polyethylene (LDPE) tubing. The peristaltic pump was set to pump at such a rate that the wells did not go dry. The development water was containerized in a 55-gallon drum located on-site. The well development parameters and purge data are summarized in Table 3.

Following well installation, the tops of the well casings were surveyed by Sear-Brown to the nearest 1/100 foot using a relative site datum to allow for an evaluation of local groundwater flow direction during future groundwater monitoring and sampling.

3.11 Monitoring Well Sampling

To monitor the impact of remedial activities on the site groundwater quality, Sear-Brown collected groundwater samples from each of the five (5) monitoring wells in October 2000 and January 2001 for laboratory analysis. On October 5, 2000 and January 24, 2001, a groundwater sample from each of the five wells was submitted to Paradigm for STARS VOC analysis by EPA Method 8021. In addition, one (1) trip blank was analyzed for STARS VOCs by EPA Method 8021 for QA/QC purposes. On October 16, 2000, Sear-Brown collected and submitted groundwater samples from each of the five (5) monitoring wells to Paradigm for total petroleum hydrocarbon (TPH) analysis by New York Department of Health Method 310.13. The TPH analysis was conducted to confirm the results of the VOC analysis and evaluate potential ORC® interference.

Prior to sampling, each of the five wells was purged a minimum of three (3) well volumes or until dry. The wells were purged using a peristaltic pump and the purge water was containerized in a 55-gallon drum located on site. General groundwater quality parameters and a sample collection summary for the October 2000 and January 2001 sampling events are provided in Table 4.

Depth to water measurements were recorded for each of the five (5) monitoring wells for both October 2000 sampling events and the January 2001 sampling event. Based on water level information summarized in Table 5 and contoured in Figures 4, 5, and 6, groundwater flow direction during the sampling events appears to be radially outward from MW-6.

3.12 Monitoring Well Sampling Analytical Results

The laboratory analytical results for the October 2000 and January 2001 groundwater sampling events indicate concentrations of petroleum-related VOCs present within samples from each of the five wells. The analytical results were compared to NYSDEC groundwater standards and are summarized in Table 6. A copy of the laboratory analytical reports, with chain-of-custody documentation, is included in Appendix J.

The results indicate MW-6 and MW-7 groundwater samples had the highest concentrations of total VOCs and TPHs. MW-6 is located south of the removed 2,000-gallon UST and within the excavation footprint. MW-7 is located adjacent to the southwest corner of the excavation footprint and adjacent to the former mill race. For each groundwater sampling event, a groundwater mound appears to exist at MW-6, with groundwater flow occurring radially outward with a western flow component. It is believed that the source of this mound originates from the river via leaks through, or under, the nearby riverwall.

The VOC and TPH concentrations detected in the groundwater samples collected from the site are indicative of typical ORC®-enhanced, in-situ bioremediation occurring in the vicinity of these wells. The increased activity of indigenous microorganisms frequently results in an initial increase in dissolved petroleum-compound concentrations in groundwater. This spike can be attributed to the leaching of adsorbed petroleum hydrocarbons from affected soils by enzymes that are a byproduct of microbial proliferation. The desorbed hydrocarbons mobilize and produce an increased dissolved-phase hydrocarbon concentration in groundwater. Petroleum hydrocarbon concentrations in groundwater samples obtained in January 2001 remained consistent with the October 2000 sampling results and can be attributed to the decrease in groundwater temperatures. The decrease in groundwater temperatures between the October 2000 and January 2001 sampling events was an average of 4.4°Celsius, which would retard microbial activity despite increased solubility of oxygen with colder temperatures.

The October 2000 and January 2001 post-remedial groundwater sampling events occurred approximately one month and four months, respectively, following the ORC® injection program. In general, a significant decline in dissolved petroleum-hydrocarbon concentrations typically takes place within 6 – 12 months of the initial ORC® injection.

3.13 Staged Drum Disposal

A total of 9 drums were removed from the site and disposed of by MARCOR. Two (2) drums of decontamination and well development water and two (2) drums of auger cuttings from previous environmental investigations completed at the site by

Sear-Brown were disposed of at Industrial Oil Tank Service of Oriskany, New York, in July 2000. Subsequent to remedial excavation activities and monitoring well sampling, two (2) drums of decontamination and well development water and three (3) drums of auger cuttings from the installation and sampling of the additional bedrock monitoring wells were disposed of at Industrial Oil Tank Service of Oriskany, New York, in October 2000. Copies of the associated bills of lading are included as Appendix G.

4.0 Petroleum Spill Site Inactivation (PSSI) Evaluation

The purpose of conducting a PSSI evaluation is to demonstrate that a site is protective of human health and the environment. If this is adequately demonstrated, the NYSDEC may allow an "inactive" spill status to be assigned. The NYSDEC PSSI process involves four steps: site characterization, source removal, remediation and exposure assessment.

4.1 Site Characterization

Site characterization has been performed at the 180-182 Exchange Street site (Figure 1). The limits of petroleum contamination were estimated based upon the findings from soil borings, monitoring well installations, soil and groundwater laboratory analyses, geophysical surveys, and test pit excavations conducted by Sear-Brown as part of a series of Phase II Environmental Investigations of the site (Figure 2). The following investigations and remedial activities were conducted at the site:

- Day Environmental, Inc.'s September 1998 Phase I Environmental Site Assessment;
- Sear-Brown's October 1998 Phase II Environmental Investigation;
- Sear-Brown's November 1998 Supplemental Phase II Investigation;
- Sear-Brown's 1999 Additional Phase II Environmental Investigation, and
- Sear Brown's 2000 Corrective Action Plan (CAP) scope of work.

4.2 Source Removal

Pursuant to the NYSDEC-approved CAP, source removal has been performed on-site as summarized in this report. Petroleum-impacted soils underlying the northern portion of the former quonset hut were excavated, removed and disposed of off-site at a properly permitted facility. A 2,000-gallon, closed-in-place underground storage tank was also removed and properly disposed of off-site at a properly permitted facility. No free product was encountered during the excavation activities. As summarized in this report, additional excavation of impacted soil was restricted due to the 18-inch cooling water discharge line and the proximity of an underground electrical conduit alongside the Genesee River retaining wall. Impacted soils present north of the discharge line comprise approximately ten percent of the total petroleum-contaminated soil excavated south of the discharge line (410 cubic yards).

4.3 Remediation

In addition to the removal and disposal of source materials, further remediation is underway using enhanced in-situ bioremediation based on the use of indigenous microorganisms to biodegrade residual petroleum impacts in soil and groundwater. Oxygen Release Compound (ORC®) is a patented formulation of magnesium peroxide, MgO_2, which slowly releases oxygen when moist. ORC® was introduced

into the groundwater table during excavation activities by applying ORC® powder to the sidewalls and bottom of the excavation, as well as via a 19-point slurry injection grid completed subsequent to excavation and backfill activities. The slurry injection grid was placed to target the residual petroleum contamination adjacent to the 18-inch discharge line and western perimeter of the remedial excavation footprint. A single injection of ORC® is expected to release oxygen for about 6 to 12 months, which may be an adequate time period to achieve remedial objectives.

4.4 Exposure Assessment

For the protection of human health, an exposure assessment was conducted that included an identification of potential receptors, pathways and exposure scenarios. Calculations were then performed to evaluate exposure for the complete pathways.

4.4.1 Potential Receptors

Due to the current use of the site as a river-walk, bike path and parking lot and given the anticipated short duration of potential exposure, the resident adult, resident child and commercial worker were not considered as potential receptors in this evaluation. Given the potential for outdoor exposure to volatile organic vapors by contractors involved with future infrastructure maintenance activities, the construction worker receptor was selected for the PSSI evaluation. Since the depth to contamination is greater than 3 ft. below ground surface, public users were precluded as potential receptors in this evaluation as inhalation of vapors and particulates, dermal contact and ingestion of contaminants located in, or originating from subsurface soils is not likely. In addition, the construction worker exposure pathway is more conservative than public use.

The groundwater in this area generally flows radially outward away from the Genesee River and MW-6 with a western flow component towards Exchange Boulevard. Therefore, the Genesee River is not a potential receptor.

4.4.2 Potential Exposure Pathways

Future construction of a building over the area of the groundwater plume and/or the residual soil contamination is not planned, therefore, indoor exposure scenarios were not considered applicable for this PSSI evaluation. In addition, there are no drinking water wells in the vicinity based upon available information.

Since the depth to contamination is greater than 3 ft. below ground surface, potential exposure pathways resulting from inhalation of vapors and particulates, dermal contact and ingestion of contaminants located in, or originating from, surficial soils do not exist for this site except for the construction worker

receptor. In the case of the construction worker, subsurface soils may be unearthed and be temporarily considered "surficial" soils.

The complete exposure pathways selected for the evaluation were limited to inhalation of vapors and particulates, dermal contact and ingestion of contaminants located in, or originating from, temporary "surficial" soils by construction workers, and groundwater and subsurface soil concentrations that are protective of outdoor air vapor inhalation by construction workers.

4.4.3 Exposure Determination

The most recent maximum detected concentrations of contaminants in soil and groundwater were compared to NYSDEC STARS (August 1992) and RSCO guidance values. Based upon the comparison, PSSI evaluation calculations were next performed for the detected contaminants with concentrations that exceeded the STARS and RSCO guidance values. The default values presented in the NYSDEC Guidelines for PSSI were used in the evaluation for the complete exposure pathways. These included Toxicity Parameters, Exposure Factors, Fate and Transport Factors and Physical and Chemical Properties. Exceptions to the NYSDEC default values in the PSSI evaluation calculations include the following site characteristics:

- depth to groundwater (12 ft.);
- depth to contaminated soil (average of 10.5 ft.); and
- width of source area parallel to wind (55 ft.).

Based upon these values, the Contaminant Concentration Limit tables for the outdoor construction worker were used for direct comparison to the analytical data for the complete exposure pathways. In cases where the maximum detected concentrations exceeded the calculated Contaminant Concentration Limit, the area weighted average concentration was calculated for that contaminant. The area weighted average concentration was then compared to the calculated Contaminant Concentration Limit.

The PSSI evaluation is presented in Tables 7, 8 and 9. Table 7 presents the comparison of the groundwater maximum detected concentrations to STARS Guidance Values and the calculated Carcinogenic and Non-Carcinogenic Contaminant Concentration Limits for the Construction Worker Receptor. Review of these data indicates that the contaminants of concern are generally at least three orders of magnitude below the contaminant concentration limits for this pathway.

Table 8 presents the comparison of the maximum detected concentrations in soil to STARS Guidance Values and the calculated Carcinogenic and Non-

Carcinogenic Contaminant Concentration Limits for the Construction Worker Receptor. As shown in Table 8, the maximum concentrations of 1,2,4-trimethylbenzene and naphthalene exceeded the calculated non-carcinogenic subsoil concentration limits. All other contaminants were below calculated concentration limits. Therefore, the area weighted average concentrations (calculated in Table 10) were derived from historical soil data (Appendix K). The area weighted average concentrations were calculated using the geometric configurations shown on Figure 7. Figure 7 includes sample locations that remain unexcavated and are geometrically applicable to the area weighted average calculations. Review of the data presented in Table 7 indicates that the area weighted average concentrations for naphthalene and 1,2,4-trimethylbenzene are respectively at or below the contaminant concentration limits for this pathway.

Table 9 presents the comparison of the maximum detected concentrations in temporary "surficial" soils (that may result during construction) to STARS and RSCO Guidance Values and the calculated Carcinogenic and Non-Carcinogenic Contaminant Concentration Limits for the Construction Worker Receptor. Review of the data shown in Table 9 indicates that the contaminants of concern are generally at least one to three orders of magnitude below the contaminant concentration limits for this pathway.

5.0 Conclusions

In July 2000, Sear-Brown commenced remedial activities at the 180-182 Exchange Street site in accordance with the NYSDEC-approved CAP, dated June 2000. The CAP was designed to address subsurface petroleum contamination detected during previous Sear-Brown Phase II Environmental Investigations of the site conducted in 1998 and 1999. The remedial activities performed included excavation of petroleum-impacted soils, removal of a 2,000-gallon UST, collection and analysis of confirmatory soil samples at the boundaries of the excavation, application and slurry injection of ORC® within and adjacent to the excavation footprint, installation of three bedrock groundwater monitoring wells, and sampling of the two existing and three additional monitoring wells.

Excavation was conducted within and adjacent to the northern portion of the former quonset hut at the northeastern extent of the subject property. A total of approximately 1,207 cubic yards of material was excavated as a result of the remedial activities, approximately 410 cubic yards (616 tons) of which was petroleum-contaminated soil and was transported off-site for disposal at the Monroe County Mill Seat Landfill located in Riga, New York. During remedial excavation activities, a 2,000-gallon closed-in-place UST was found adjacent to the northern footing of the former quonset hut and immediately south of an 18-inch cast-iron cooling water discharge line. The tank was removed as part of these remedial activities. Based upon tank condition (i.e., visible holes in the tank shell) and disposition of the subsurface petroleum contamination, the 2,000-gallon UST was determined the probable source of the release.

Confirmatory soil samples were collected at the limits of excavation and submitted for STARS VOC analysis by EPA Method 8021. A total of 16 confirmatory soil samples were collected from the excavation sidewalls in a manner to effectively represent the excavated area. Comparison of previous investigation and remedial excavation analytical results indicate that in those areas unimpeded by structural and/or utility limitations, the excavation efforts were successful in removing the majority of the affected soil and its source. With the exception of the northern excavation boundary, excavation was conducted to the top of competent bedrock and therefore resulted in the removal of all impacted soil within the excavation footprint.

Excavation was limited in part, however, in three of the four directions by utility and property boundary considerations. An 18-inch diameter cast-iron cooling water discharge line, maintained by the Monroe County Civic Center, transected the area of proposed excavation. As a result, a sloped excavation was conducted south of the pipe and no excavation was initiated north of, or directly under the pipe. Results of test pitting and previous soil boring to the north of the pipe indicated that the volume of accessible impacted soil within that area was approximately ten percent of the total volume of impacted soil removed as part of the remedial activities. Concentrations of total BTEX in accessible soils remaining north of the pipe were generally one to three orders of magnitude less than those from soils removed south of the discharge line. To address the affected area north of the

pipe, supplemental ORC® slurry injections were conducted following the excavation program. In addition, ORC® injection points were placed along the western and northeastern excavation boundaries which were limited by the location of utility lines and the Genesee River retaining wall.

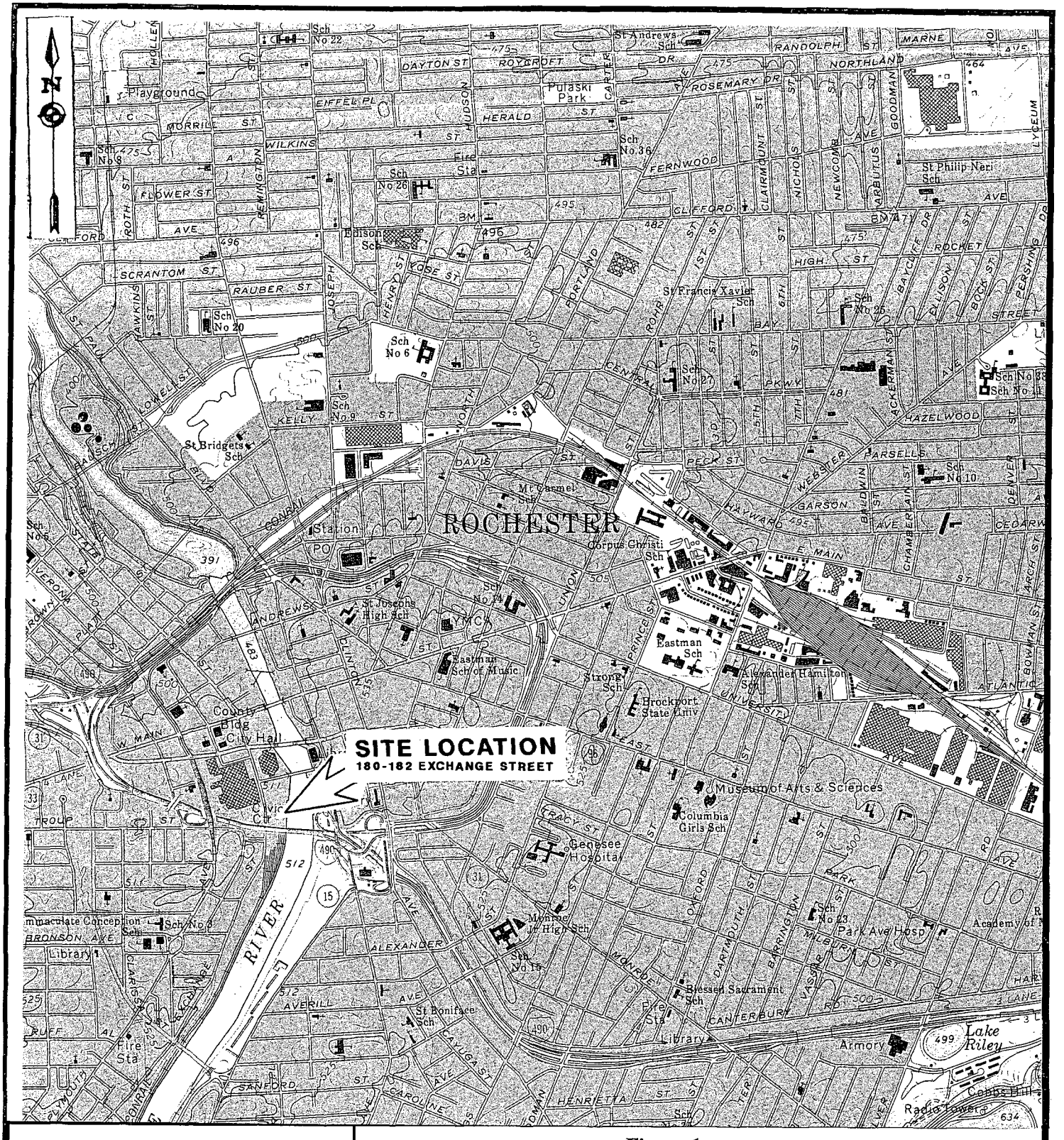
Groundwater sampling was performed in October 2000 and January 2001 to monitor the impact of remedial activities on the site groundwater quality. VOC and TPH analyses were performed on groundwater samples collected from the five (5) bedrock monitoring wells. The VOC and TPH concentrations detected in the groundwater samples collected during the October 2000 monitoring events can be attributed to the ORC®-enhanced, in-situ bioremediation occurring in the vicinity of these wells. The increased activity of indigenous microorganisms frequently results in the leaching of residual petroleum hydrocarbons from affected soils and an initial spike in associated contaminant concentrations within the groundwater. Petroleum hydrocarbon concentrations in groundwater samples obtained in January 2001 remained consistent with the October 2000 sampling results and can be attributed to the decrease in groundwater temperatures which would retard microbial activity.

The October 2000 and January 2001 post-remedial groundwater sampling events occurred approximately one month and four months, respectively, following the ORC® injection program. In general, a significant decline in dissolved petroleum-hydrocarbon concentrations should take place within 6 – 12 months of the initial ORC® injection.

Upon completion of the remedial activities described in the CAP, a PSSI Evaluation was performed. The results of this PSSI Evaluation indicate that maximum detected concentrations of the contaminants of concern are below the calculated Contaminant Concentration Limits set forth by the NYSDEC for the complete groundwater exposure pathway. Similarly, area-weighted concentrations of the contaminants of concern are below the calculated Contaminant Concentration Limits set forth by the NYSDEC for the complete soil exposure pathway.

Given the completion of the remedial program executed under the NYSDEC-approved CAP, as well as the conclusions of the PSSI Evaluation, a "No Further Action" status for the site and an inactivation of the spill file is requested. The site has been characterized with respect to the extent and degree of the petroleum impact to the site subsurface within the vicinity of the former quonset hut. The source of the petroleum impacts, a 2,000-gallon closed-in-place UST, has been removed, along with accessible impacted soils south and west of the 18-inch discharge line and underground electrical conduit, respectively. Excavated soils comprised approximately 90 percent of the total estimated volume of impacted soils at the site and represented those soils that could be reasonably be removed. The remaining 10 percent was not removed due to physical conditions and limitations, but was addressed with the application of ORC® powder to the former tank pit and excavation sidewalls and bottom and the injection of an ORC® slurry adjacent to the 18-inch discharge line and western perimeter of the excavation footprint. The PSSI Evaluation completed subsequent to remedial activities has indicated residual contaminant levels are within the NYSDEC limits. To

further protect potential developers of the site, the property will be listed in the City of Rochester Building Information System (BIS) as requiring a permit applicant to seek environmental review prior to the issuance of any City permit for future development of the site. In addition, should any impacted soil be disturbed as a result of future activities, that soil will be managed in accordance with applicable regulations.



SEAR·BROWN

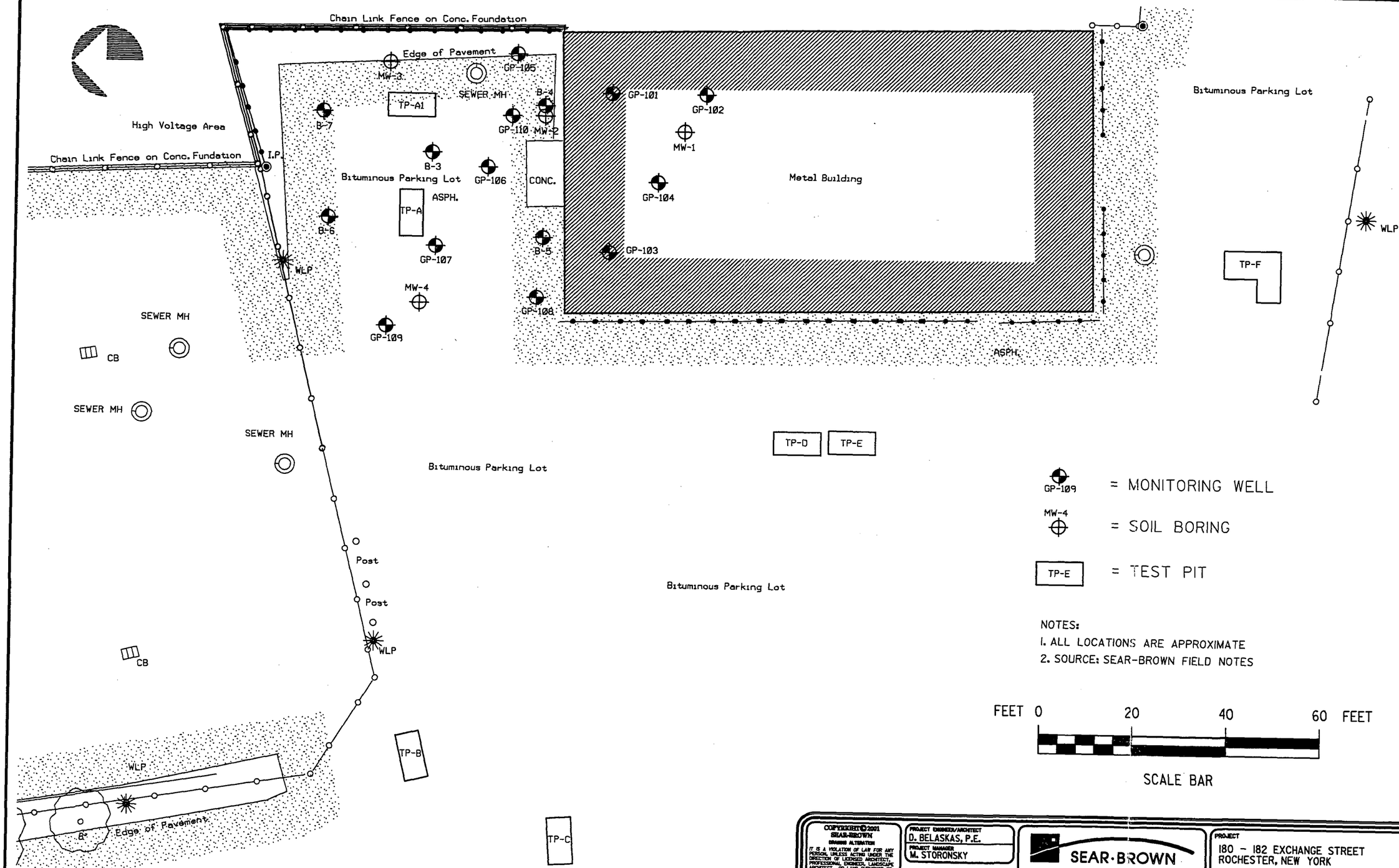
ARCHITECTURE
ENGINEERING
PLANNING
CONSTRUCTION

Figure 1

180 -182 Exchange Street
City of Rochester, Monroe County, New York

Site Location Map

Scale: 1:24,000
Source: USGS Topographic Map
Rochester East Quadrangle



GP-109 = MONITORING WELL

MW-4 = SOIL BORING

TP-E = TEST PIT

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
2. SOURCE: SEAR-BROWN FIELD NOTES

FEET 0 20 40 60 FEET

SCALE BAR

N:\jobs/1515507/dxfordwg/env810b.dgn

PROJECT ENGINEER/ARCHITECT: D. BELASKAS, P.E.
PROJECT MANAGER: M. STORONSKY
DRAWN BY: M. GORMAN
SCALE: 1" = 20'
FIRST ISSUE DATE: 5/4/00

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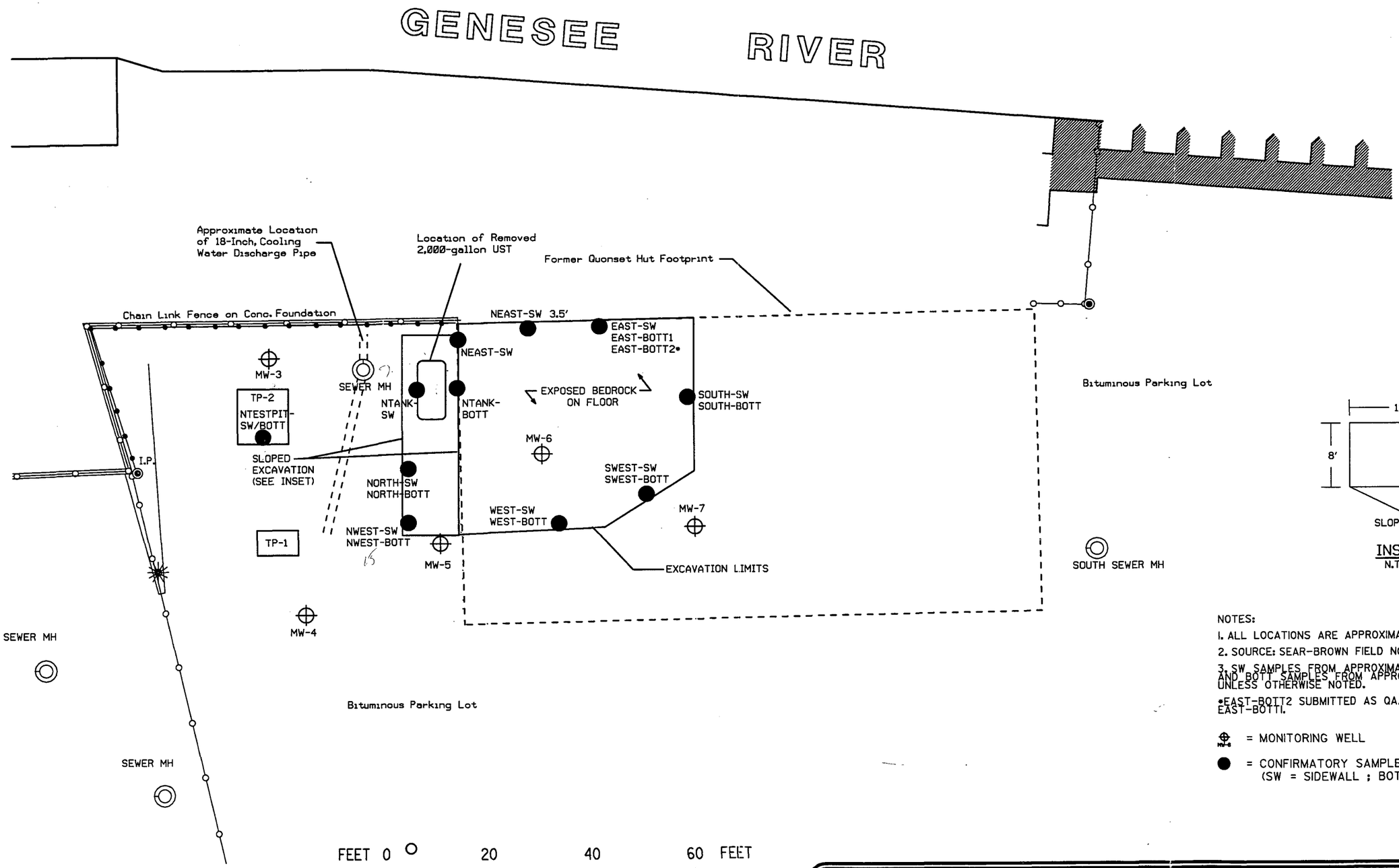
PROJECT: 180 - 182 EXCHANGE STREET ROCHESTER, NEW YORK

TITLE OF DRAWING: PHASE II SOIL BORING, MONITORING WELL AND TEST PIT LOCATION MAP

PROJECT NO. 1515507

DRAWING NO. FIG 2



NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. SOURCE: SEAR-BROWN FIELD NOTES
3. SW SAMPLES FROM APPROXIMATELY 6-10 FT BG AND BOTT SAMPLES FROM APPROXIMATELY 11-14.5 FT BG, UNLESS OTHERWISE NOTED.

*EAST-BOTT2 SUBMITTED AS QA/QC DUPLICATE OF EAST-BOTT1.

MW-6 = MONITORING WELL

● = CONFIRMATORY SAMPLE LOCATION (SW = SIDEWALL ; BOTT = BOTTOM)

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PROJECT: 180 - 182 EXCHANGE STREET ROCHESTER, NEW YORK

TITLE OF DRAWING: FINAL EXCAVATION LIMITS AND CONFIRMATORY SAMPLING LOCATION MAP

PROJECT NO. 1515507

DRAWING NO. FIG 3

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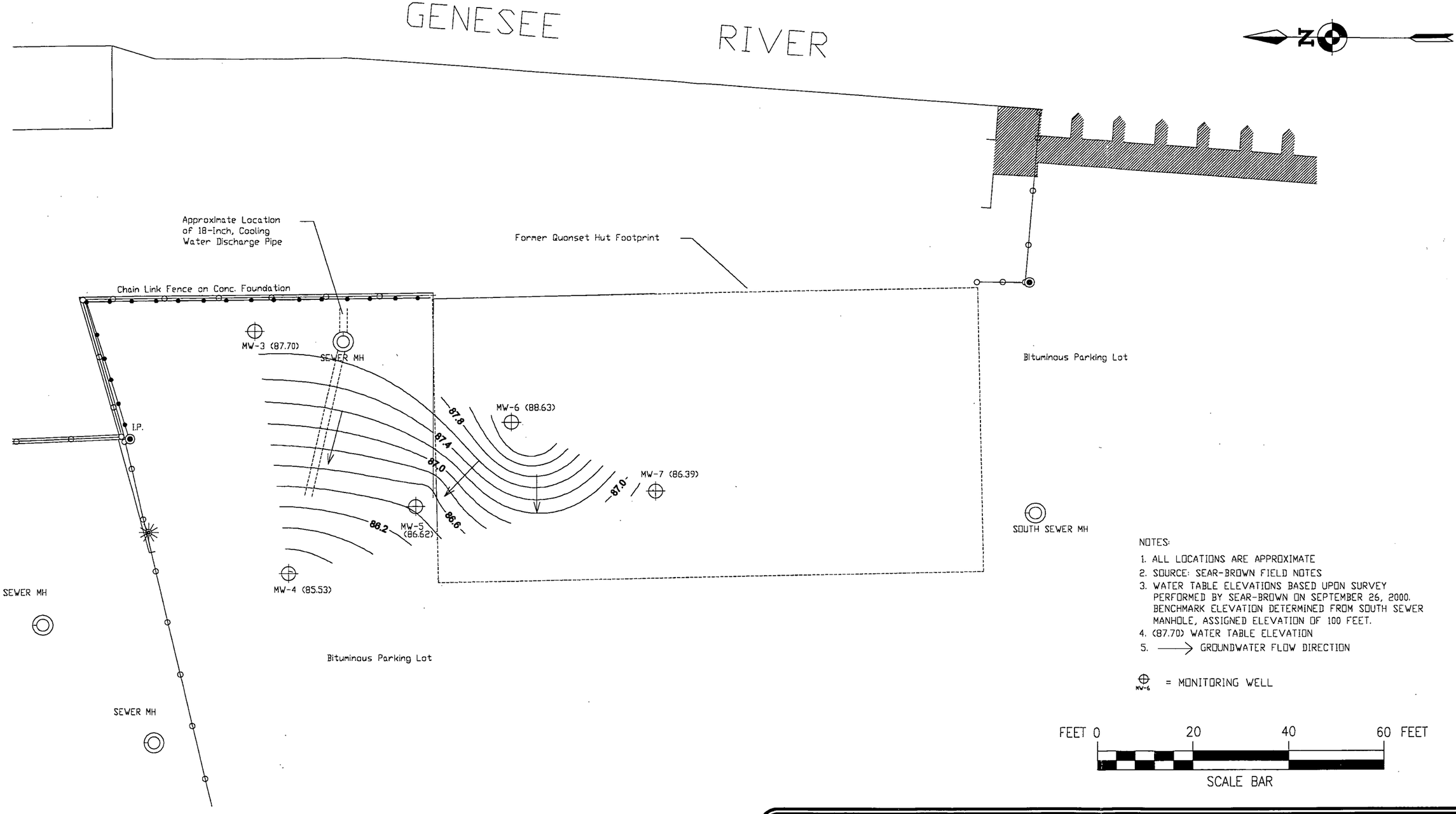

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE
2. SOURCE: SEAR-BROWN FIELD NOTES
3. WATER TABLE ELEVATIONS BASED UPON SURVEY PERFORMED BY SEAR-BROWN ON SEPTEMBER 26, 2000. BENCHMARK ELEVATION DETERMINED FROM SOUTH SEWER MANHOLE, ASSIGNED ELEVATION OF 100 FEET.
4. (87.70) WATER TABLE ELEVATION
5. ⟶ GROUNDWATER FLOW DIRECTION

⊕ MW-6 = MONITORING WELL

FEET 0 20 40 60 FEET

SCALE BAR

N:\Jobs/1515507/dxf\ardwg/surfer/10/16/00.dwg

PROJECT ENGINEER/ARCHITECT: D. BELASKAS, P.E.
PROJECT MANAGER: M. STORONSKY
DRAWN BY: M. GORMAN
SCALE: 1" = 20'
FIRST ISSUE DATE: 9/29/00

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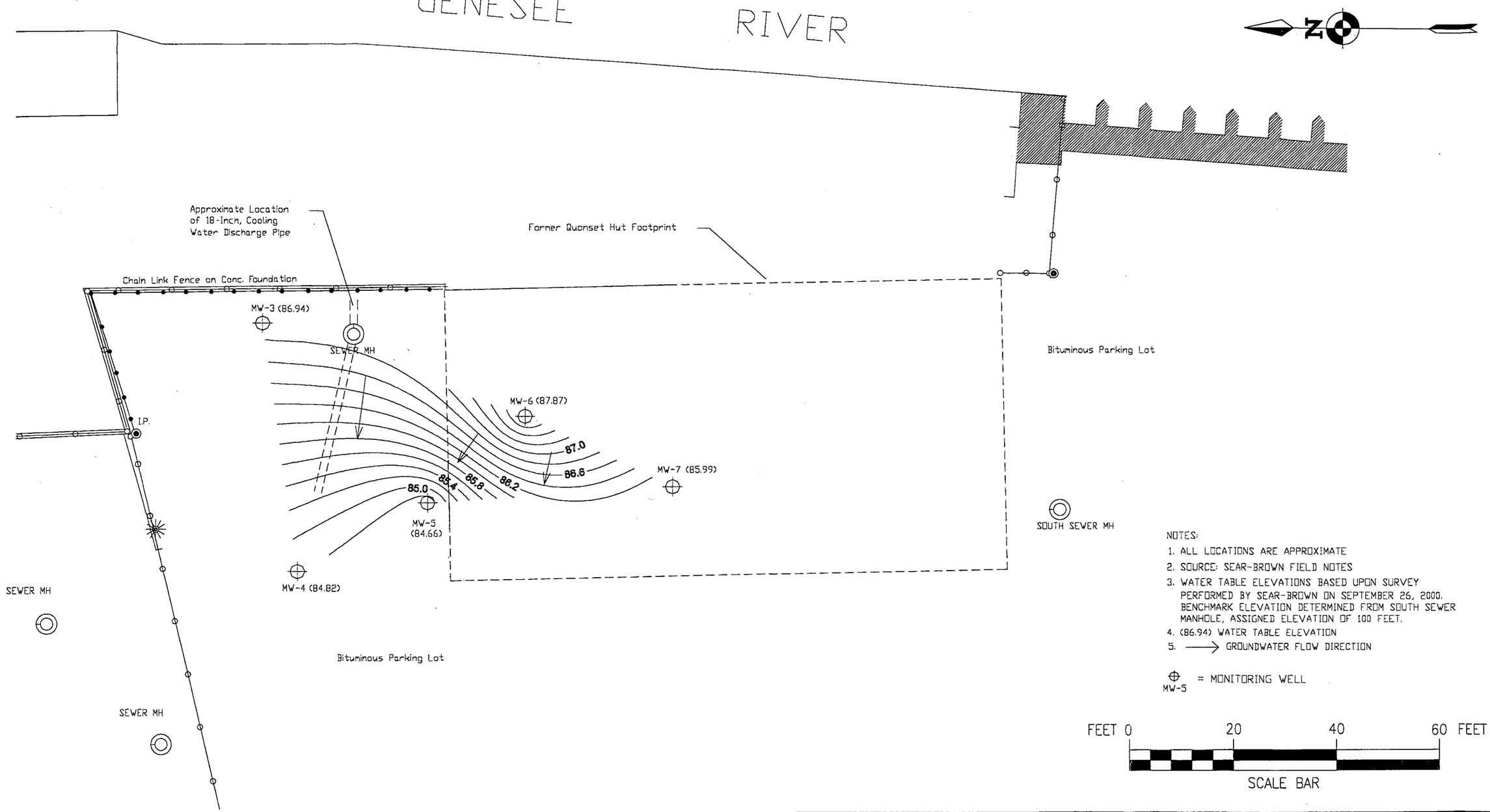
PROJECT: 180 - 182 EXCHANGE STREET ROCHESTER, NEW YORK
PROJECT NO.: 1515507
TITLE OF DRAWING: Water Table Elevation (10/16/00)
DRAWING NO.: FIG 5



NOTES:

1. ALL LOCATIONS ARE APPROXIMATE
2. SOURCE: SEAR-BROWN FIELD NOTES
3. WATER TABLE ELEVATIONS BASED UPON SURVEY PERFORMED BY SEAR-BROWN ON SEPTEMBER 26, 2000. BENCHMARK ELEVATION DETERMINED FROM SOUTH SEWER MANHOLE, ASSIGNED ELEVATION OF 100 FEET.
4. (86.94) WATER TABLE ELEVATION
5. ⟶ GROUNDWATER FLOW DIRECTION

⊕ MW-5 = MONITORING WELL

FEET 0 20 40 60 FEET

SCALE BAR

N:\Jobs\1515507\dxf\ordwg\waterlevel.dwg

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FIRST ISSUE DATE: 2/26/01

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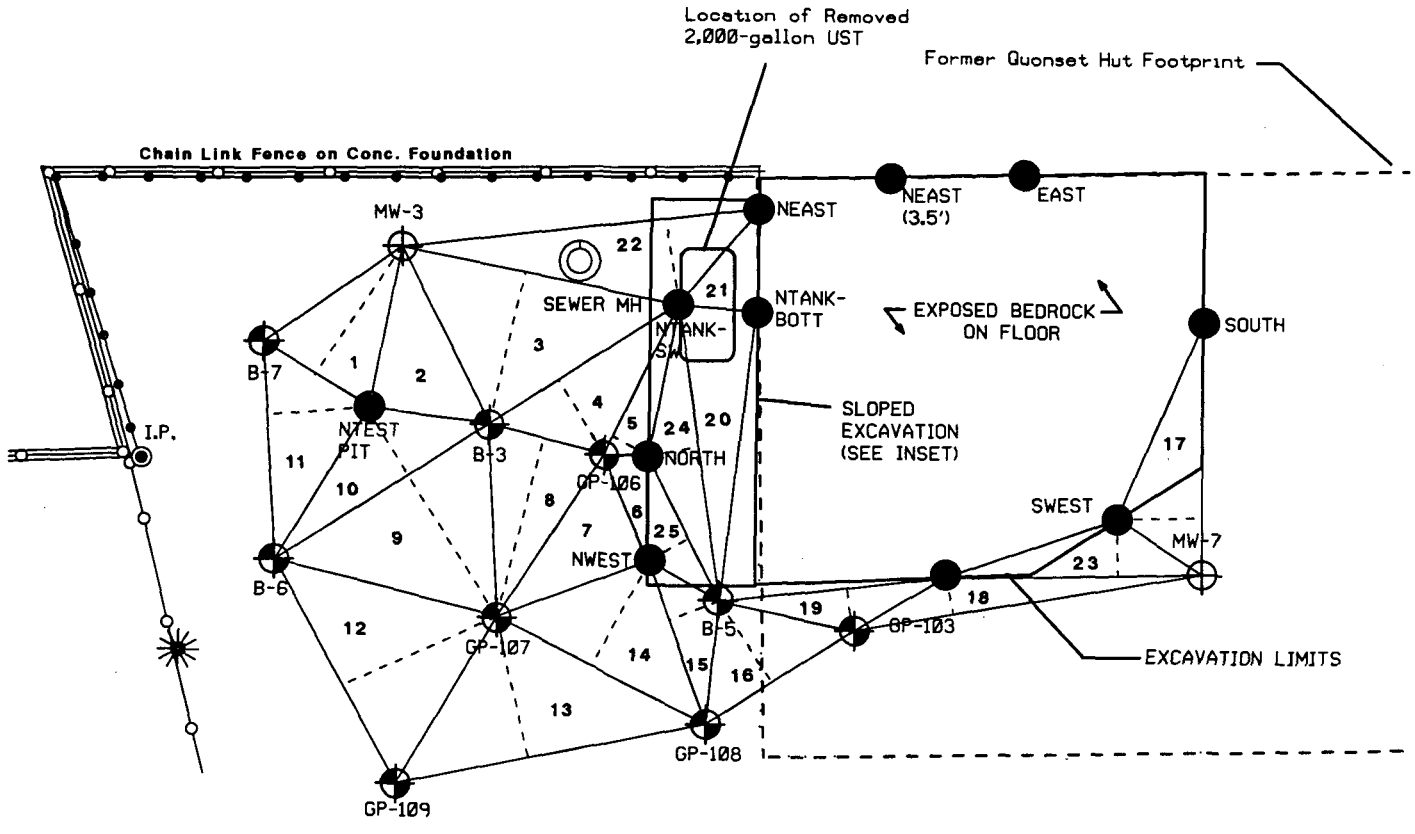
PROJECT: 180 - 182 EXCHANGE STREET ROCHESTER, NEW YORK
TITLE OF DRAWING: Water Table Elevation (1/24/01)
PROJECT NO.: 1515507
DRAWING NO.: FIG 6



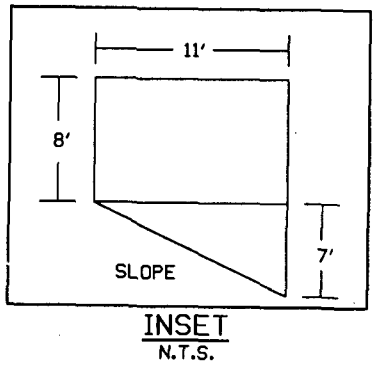
NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. CONFIRMATORY SAMPLE LOCATIONS ARE FOR SIDEWALL AND BOTTOM SAMPLES, EXCEPT AS NOTED.
3. SOURCE: SEAR-BROWN FIELD NOTES

MW-6 = MONITORING WELL

= CONFIRMATORY SAMPLE LOCATION

GP-109 = GEOPROBE SAMPLE LOCATION



INSET
N.T.S.

FEET 0 20 40 60 FEET

SCALE BAR

N:\jobs\1515507\dxf\dwg\env1.dgn

PROJECT ENGINEER/ARCHITECT: D. BELASKAS, P.E.
PROJECT MANAGER: M. STORONSKY
DRAWN BY: M. GORMAN
SCALE: 1" = 20'
FIRST ISSUE DATE: 9/29/00

SEAR-BROWN
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PROJECT: 180 - 182 EXCHANGE BOULEVARD
ROCHESTER, NEW YORK

TITLE OF DRAWING: Area Weighted Average Geometry

PROJECT NO. 1515507

DRAWING NO. FIG 7

TABLE 1

Confirmatory Soil Sampling Analytical Results
180-182 Exchange Street
Rochester, New York

Sample ID	TCLP AGV[1]	TAGM RSCO [2]	NTESTPIT - SW	NTESTPIT - BOTT	NEAST - SW 3.5	NEAST - SW	NTANK - SW	NTANK - BOTT	NORTH - SW	NORTH - BOTT	NWEST - SW	NWEST - BOTT
Depth (below grade)			6' - 8'	9'	3.5'	6' - 8'	8'	11' - 14.5'	6' - 10'	11' - 14.5'	6' - 10'	11' - 14.5'
Date Sampled			7/21/00	7/21/00	7/21/00	7/20/00	7/20/00	7/20/00	7/21/00	7/21/00	7/21/00	7/21/00
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	14	60	ND	**15.4**	13.7	ND	ND	**31.6**	ND	ND	8.73	**35.8**
Ethylbenzene	100	5500	ND	ND	ND	ND	**14200**	**507**	ND	**1800**	ND	ND
Toluene	100	1500	ND	ND	ND	ND	ND	**345**	ND	ND	ND	10.7
o-Xylene	100	1200	ND	ND	ND	21.9	**29800**	**787**	ND	**148**	ND	ND
m,p-Xylene	100	1200	ND	ND	ND	76	**107000**	**1600**	ND	**1520**	ND	76
Isopropylbenzene	100	5000	ND	ND	ND	20.6	ND	**140**	ND	ND	ND	ND
n-Propylbenzene	100	14000	ND	ND	ND	19.8	**19900**	**520**	ND	**339**	ND	9.57
p-Isopropyltoluene	100	11000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	100	13000	ND	ND	ND	**150**	**305000**	**1500**	ND	**2430**	ND	**240**
1,3,5-Trimethylbenzene	100	3300	ND	ND	ND	59.8	**63600**	**390**	ND	**507**	ND	38.6
n-Butylbenzene	100	18000	ND	ND	ND	ND	ND	**143**	ND	ND	ND	ND
sec-Butylbenzene	100	25000	ND	ND	ND	ND	ND	33.9	ND	ND	ND	ND
Naphthalene	200	13000	ND	ND	ND	ND	**102000**	193	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	1,000	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	TCLP AGV[1]	TAGM RSCO [2]	EAST - SW	EAST - BOTT 1	EAST - BOTT 2	SOUTH - SW	SOUTH - BOTT	SWEST - SW	SWEST - BOTT	WEST - SW	WEST - BOTT
Depth (below grade)			6' - 10'	11' - 14.5'	11' - 14.5'	6' - 10'	11' - 14.5'	6' - 10'	11' - 14.5'	6' - 10'	11' - 14.5'
Date Sampled			7/20/00	7/20/00	7/20/00	7/19/00	7/19/00	7/19/00	7/19/00	7/19/00	7/19/00
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	14	60	**23.1**	**30**	**25**	ND	ND	ND	**178**	ND	**114**
Ethylbenzene	100	5500	ND	ND	ND	20.4	ND	ND	19.6	ND	16
Toluene	100	1500	10.3	17.4	18	ND	ND	ND	ND	ND	ND
o-Xylene	100	1200	ND	ND	ND	24.1	ND	34.6	30.4	19.5	28.1
m,p-Xylene	100	1200	ND	ND	ND	69.8	18.3	ND	**185**	ND	66
Isopropylbenzene	100	5000	ND	ND	ND	ND	ND	ND	ND	ND	26.8
n-Propylbenzene	100	14000	ND	ND	ND	ND	ND	ND	ND	ND	28.6
p-Isopropyltoluene	100	11000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	100	13000	ND	ND	ND	26.2	9.27	ND	24.7	ND	37.2
1,3,5-Trimethylbenzene	100	3300	ND	ND	ND	ND	ND	14.9	8.85	20.5	12
n-Butylbenzene	100	18000	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	100	25000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	200	13000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	1,000	120	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1) TCLP Alternative Guidance Values (AGVs) from the New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance Policy, dated August 1992.
2) NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum (TAGM) HWR 94-4046 (Revised) revised December 20, 2000, Recommended Soil Cleanup Objective (RSCO).
3) **Bolded** values are samples that have been detected and exceed the TCLP Alternative Guidance Values.
   Underlined values are samples that have been detected and exceed the TAGM standards.
4) ND = Not Detected at or above the laboratory detection limit. Minimum laboratory detection limits listed in the Paradigm Environmental Services, Inc. Report No. 00-1545.
5) Soil sample nomenclature: SW = Sidewall; BOTT = Bottom

TABLE 2

Soil Boring Analytical Results
180-182 Exchange Street
Rochester, New York

Sample ID *Depth (below grade)* *Date Sampled* *Units*	TCLP AGV[1] µg/kg	TAGM RSCO [2] µg/kg	**MW-7** 10' - 12' 9/18/00 µg/kg
Benzene	14	60	ND
Ethylbenzene	100	5500	**2820**
Toluene	100	1500	**3690**
o-Xylene	100	1200	**5160**
m,p-Xylene	100	1200	**11700**
Isopropylbenzene	100	5000	**171**
n-Propylbenzene	100	14000	**774**
p-Isopropyltoluene	100	11000	ND
1,2,4-Trimethylbenzene	100	13000	**6070**
1,3,5-Trimethylbenzene	100	3300	**1720**
n-Butylbenzene	100	18000	ND
sec-Butylbenzene	100	25000	ND
Naphthalene	200	13000	**665**
Methyl tert-butyl ether (MTBE)	1,000	120	ND

Notes:

1) TCLP Alternative Guidance Values (AGVs) from the New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance Policy, dated August 1992.

2) NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum (TAGM) HWR 94-4046 (Revised), revised December 20, 2000, Recommended Soil Cleanup Objective (RSCO).

3) **Bolded** values are samples that have been detected and exceed the TCLP Alternative Guidance Values. Underlined values are samples that have been detected and exceed the TAGM standards.

4) ND = Not Detected at or above the laboratory detection limit. Minimum laboratory

TABLE 3

Well Development Summary
180-182 Exchange Street
Rochester, New York

Well	Date	Water Level (ft BTOC)	Standing Well Volume (gallons)	Volume Removed (gallons)	Time	pH (std. units)	Conductivity (umhos/cm)	Temp. (°C)	ORP (mv)	Turbidity (NTU)	Notes
MW-5	9/29/00	11.80	0.94		10:10						
				1	10:15	6.82	6433	15.2	-145.0	>200	gray/brown cloudy
				2	10:17	6.74	8565	14.5	-129.0	>200	gray/brown cloudy
				3	10:23	7.03	9001	14.6	-128.0	>200	gray/brown cloudy
				4	10:30	7.06	8635	14.5	-124.0	>200	gray/brown cloudy
				5	10:34	7.04	8121	14.7	-115.0	>200	gray/brown cloudy
				6	10:42	6.93	8526	14.6	-93.0	>200	gray/brown cloudy
				7	10:50	7.03	8281	14.8	-105.0	>200	gray/brown cloudy
				8	11:00	7.13	8436	14.8	-108.0	133.6	gray/brown cloudy
				9	11:05	7.19	8136	14.8	-103.0	>200	cloudy
				10	11:08	7.17	8213	14.8	-102.0	>200	cloudy
MW-6	9/29/00	10.19	1.00		11:11						
				1	11:16	7.76	9555	16.7	-80.0	>200	gray, cloudy
				2	11:21	7.94	9502	17.0	-29.0	>200	gray, cloudy
				3	11:28	7.81	10370	16.8	-29.0	>200	gray, cloudy
				4	11:31	7.89	10280	16.8	-28.0	>200	gray, cloudy
				5	11:34	7.88	9759	16.8	-21.0	>200	gray, cloudy
				6	11:38	7.90	10350	16.7	-25.0	>200	gray, cloudy
				7	11:42	7.89	10390	16.8	-15.0	>200	gray, cloudy
				8	11:47	7.81	10610	16.7	nm	>200	gray, cloudy
				9	11:53	7.83	10480	16.6	-15.0	135.7	gray, cloudy
				10	11:56	7.87	10510	16.9	-32.0	113.3	gray, cloudy
MW-7	9/29/00	12.20	1.00		12:05						
				1	nm	nm	nm	nm	nm	nm	
				2	12:17	6.97	7648	16.0	-158.0	>200	gray, cloudy, sheen, odor
				3	12:22	6.94	6848	14.6	-136.0	>200	gray, cloudy, sheen, odor
				4	12:28	6.47	6371	14.8	-96.0	>200	gray, cloudy, sheen, odor
				5	12:35	6.83	6739	14.6	-94.0	>200	gray, cloudy, sheen, odor
				Dry at 5.0 gallons							

Notes:
1) ft BTOC = feet Below Top of well Casing
2) umhos/cm = micromhos/centimeter
3) mv = millivolts
4) NTU = Neophelometric Turbidity Units

TABLE 4

Groundwater Sampling Summary for October 2000
180-182 Exchange Street
Rochester, New York

Sampling Date: October 5, 2000

WELL/ SAMPLE ID	WATER COLUMN	STANDING WELL VOLUME	VOLUME PURGED	Field Parameters at Sampling							Sample Collection and Analysis		
				TEMP. (Deg. Celsius)	DO	pH (Standard Units)	CONDUCTIVITY (umhos/cm)	TURBIDITY (NTUs)	ORP (mv)	OBSERVATIONS	TIME SAMPLED	PURGE METHOD/SAMPLING METHOD	PARAMETERS
MW-3	6.87	1.20	4.00	15.3	1.56	7.19	1433	37.3	-121	Brown, silty	12:56	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-4	3.45	0.55	0.80	14.5	3.61	7.18	1594	29.0	-120	Clear	13:05	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-5	4.63	0.74	2.80	15.0	2.25	7.40	8935	>200	-87	Clear to murky, faint petro odor	13:15	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-6	5.57	0.89	4.00	16.0	1.67	7.78	10370	3.8	22	yellow-green tint, biofouling	13:25	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-7	5.59	0.89	2.50	14.5	1.64	7.16	6410	>200	-99	yellow-green tint, biofouling, sheen with product globules	13:39	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs

Sampling Date: October 16, 2000

WELL/ SAMPLE ID	WATER COLUMN	STANDING WELL VOLUME	VOLUME PURGED	Field Parameters at Sampling							Sample Collection and Analysis		
				TEMP. (Deg. Celsius)	DO	pH (Standard Units)	CONDUCTIVITY (umhos/cm)	TURBIDITY (NTUs)	ORP (mv)	OBSERVATIONS	TIME SAMPLED	PURGE METHOD/SAMPLING METHOD	PARAMETERS
MW-3	6.84	1.09	5.00	15.7	NM	6.88	1402	22	-131	Brown, silty	9:07	Peristaltic Pump	NYDOH 310.13 TPHs
MW-4	3.50	0.56	0.80	14.8	NM	6.95	1621	10.6	-123.0	Clear, faint petro odor	9:14	Peristaltic Pump	NYDOH 310.13 TPHs
MW-5	5.28	0.84	2.80	14.4	NM	7.11	8656	>200	-107	Murky	9:20	Peristaltic Pump	NYDOH 310.13 TPHs
MW-6	5.91	0.96	4.25	15.7	NM	7.60	10110	3.82	22	yellow-green tint, biofouling	9:33	Peristaltic Pump	NYDOH 310.13 TPHs
MW-7	5.66	0.91	2.60	13.5	NM	7.02	6561	>200	-114	yellow-green tint, biofouling, sheen	9:42	Peristaltic Pump	NYDOH 310.13 TPHs

Notes:
1) Water column measurements are listed in feet; volumes purged are listed in gallons.
2) DO = Dissolved Oxygen
3) NM = Not Measured
4) umhos/cm = micromhos/centimeter
5) NTU = Neophelometric Turbidity Units
6) 8021 STARS VOCs = New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance P dated August 1992, list Volatile Organic Compounds by EPA Method 8021
7) NYDOH 310.13 TPHs = Total Petroleum Hydrocarbons by New York Department of Health Method 310.13

TABLE 4

Groundwater Sampling Summary for January 2001
180-182 Exchange Street
Rochester, New York

Sampling Date: January 24, 2001

WELL/ SAMPLE ID	WATER COLUMN	STANDING WELL VOLUME	VOLUME PURGED	Field Parameters at Sampling							Sample Collection and Analysis		
				TEMP. (Deg. Celsius)	DO	pH (Standard Units)	CONDUCTIVITY (umhos/cm)	TURBIDITY (NTUs)	ORP (mv)	OBSERVATIONS	TIME SAMPLED	PURGE METHOD/SAMPLING METHOD	PARAMETERS
MW-3	6.08	0.97	3.00	10.8	2.01	7.39	1487	11.78	-149	Clear, colorless	14:25	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-4	2.81	0.45	0.90	9.9	2.47	7.16	1845	8.46	-103	Clear, colorless	14:45	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-5	3.30	0.53	1.60	11.3	2.15	7.23	4271	33.9	-117	Clear, colorless, odor	12:05	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-6	5.15	0.82	2.50	10.4	1.48	7.45	10,410	9.51	-81	Clear, colorless	11:25	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs
MW-7	4.20	0.67	2.80	10.5	NM	6.96	6,615	>200	-116	Tan, cloudy, sheen, odor	10:40	Peristaltic Pump/ Teflon Bailer	8021 STARS VOCs

Notes:
1) Water column measurements are listed in feet; volumes purged are listed in gallons.
2) DO = Dissolved Oxygen
3) NM = Not Measured
4) umhos/cm = micromhos/centimeter
5) NTU = Neophelometric Turbidity Units
6) 8021 STARS VOCs = New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance P dated August 1992, list Volatile Organic Compounds by EPA Method 8021

TABLE 5

Groundwater Elevation Summary for October 2000
180-182 Exchange Street
Rochester, New York

Well ID	Benchmark Well Elevation *Top of PVC*	*Sampling Date: October 5, 2000* Depth to Water *Below Top of PVC*	Depth to Bottom *Below Top of PVC*	Water Column	Water Table Elevation
MW-3	99.31	11.58	18.45	6.87	87.73
MW-4	99.26	13.80	17.25	3.45	85.46
MW-5	99.06	12.41	17.04	4.63	86.65
MW-6	99.17	10.88	16.45	5.57	88.29
MW-7	99.19	12.89	18.48	5.59	86.30

Well ID	Benchmark Well Elevation *Top of PVC*	*Sampling Date: October 16, 2000* Depth to Water *Below Top of PVC*	Depth to Bottom *Below Top of PVC*	Water Column	Water Table Elevation
MW-3	99.31	11.61	18.45	6.84	87.70
MW-4	99.26	13.73	17.23	3.50	85.53
MW-5	99.06	12.44	17.72	5.28	86.62
MW-6	99.17	10.54	16.45	5.91	88.63
MW-7	99.19	12.80	18.46	5.66	86.39

Notes:

1) All measurements are in feet.
2) Elevations from survey performed by Sear-Brown on September 26, 2000.
3) Benchmark elevation determined from South Manhole, assigned elevation of 100'.
4) Depth to water and depth to bottom measurements taken by Sear-Brown prior to groundwater sampling.

TABLE 5

Groundwater Elevation Summary for January 2001
180-182 Exchange Street
Rochester, New York

Well ID	Benchmark Well Elevation *Top of PVC*	*Sampling Date: January 24, 2001* Depth to Water *Below Top of PVC*	Depth to Bottom *Below Top of PVC*	Water Column	Water Table Elevation
MW-3	99.31	12.37	18.45	6.08	86.94
MW-4	99.26	14.44	17.25	2.81	84.82
MW-5	99.06	14.40	17.70	3.30	84.66
MW-6	99.17	11.30	16.45	5.15	87.87
MW-7	99.19	13.20	17.40	4.20	85.99

Notes:

1) All measurements are in feet.
2) Elevations from survey performed by Sear-Brown on September 26, 2000.
3) Benchmark elevation determined from South Manhole, assigned elevation of 100'.
4) Depth to water and depth to bottom measurements taken by Sear-Brown prior to groundwater sampling.

TABLE 6

Summary of Detected Concentrations in Groundwater
180-182 Exchange Street
Rochester, New York

Monitoring Well/Sample ID	MW-1	MW-2	MW-3			MW-4			MW-5		MW-6		MW-7		Groundwater
Sampling Date	4/6/00	4/6/00	4/6/00	10/5/00	10/16/00	4/6/00	10/5/00	10/16/00	10/5/00	10/16/00	10/5/00	10/16/00	10/5/00	10/16/00	Standard*
Detected Volatile Organic Compounds (ug/l) STARS List															
Benzene	**339**	**303**	<0.7	**6.7**		**1.30**	**18**		**140**		**51**	**59**	**97**		1
Ethyl benzene	<20	**1370**	<2	<2		<2	**40.1**		**30.9**		**7.97**	<2	<40		5
Toluene	**46.5**	**5750**	<2	<2		<2	<2		3.91		**70.9**	**25.2**	**1010**		5
m,p-Xylene	**70.9**	**4900**	<2	<2		**5.31**	**19.7**		**152**		**1110E**	**1300E**	**2120**		5
o-Xylene	**356**	**2310**	<2	<2		**7.74**	3.43		**56.7**		**747E**	**999E**	**1300**		5
1,3,5-Trimethylbenzene	**193**	**451**	<2	<2		**22.4**	<2		**19.6**		**134**	**155**	**164**		5
1,2,4-Trimethylbenzene	**199**	**1800**	<2	<2		**158**	**18.1**		**77.3**		**363E**	**363E**	**485**		5
p-Isopropyltoluene	**43**	**42.2**	<2	<2		3.30	<2		<2		<2	<2	<40		5
Isopropylbenzene	<20	**99**	<2	<2		<2	**15**		**14.9**		**6.72**	2.03	<40		5
n-Propylbenzene	<20	**194**	<2	<2		<2	**21.5**		**24.5**		<2	<2	<40		5
Naphthalene	<50	**302**	<5	<5		<5	**25.6**		**24.9**		**82.4**	**67.3**	<100		10 (G)
Total Petroleum Hydrocarbons (ug/l) by NYDOH Method 310-13	752	5480			<250			351		<250		1070		4770	NGV

Notes:

1) * = New York State Department of Environmental Conservation (NYSDEC). June 1998. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS) 1.1.1. GA Class standards or guidance values (G) listed.
2) STARS = New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance Policy, dated August 1992.
3) BOLD = Reported concentration is above NYSDEC TOGS Guidance Value or Standard
4) ug/l = Micrograms per liter which is equivalent to parts per billion (ppb)
5) E = Estimated concentration reported by laboratory; concentration exceeds calibration range.
6) NGV = No guidance value has been established by New York State
7) *Groundwater samples taken on 4/6/00 were analyzed for Target Compound List Volatile Organic Compounds by USEPA Method 8260.*
8) Groundwater samples taken on 10/5/00 and 10/16/00 were analyzed for STARS List Volatile Organic Compounds by USEPA Method 8021.

TABLE 7
Comparison of Calculated Groundwater Concentrations to
Maximum Detected Concentrations of Contaminants of Concern
Construction Worker Receptor

180-182 Exchange Street
Rochester, New York

Contaminant of Concern	Maximum Detected Concentration*** (mg/L)	Guidance Value* (mg/L)	Site Specific Carcinogenic Outdoor Groundwater Concentration Limit** (mg/L)	Site Specific Non-Carcinogenic Outdoor Groundwater Concentration Limit** (mg/L)
benzene	0.2	0.0007	1268	893
ethylbenzene	0.5	0.005	na	147942
toluene	0.8	0.005	na	58079
1,2,4-trimethylbenzene	1.0	0.005	na	32759
1,3,5-trimethylbenzene	0.2	0.005	na	40591
o-xylene	0.7	0.005	na	113818
m-xylene	3.1	0.005	na	144335
p-xylene	3.1	0.005	na	47859
naphthalene	0.3	0.01	na	4278
Isopropylbenzene	0.04	0.005	na	866

Key:
mg/L = milligrams per liter, equivalent to parts per million.
na = not applicable.
*DEC STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy, August 1992.
**Calculated Values using New York State Department of Environmental Conservation, Guidelines for Petroleum Spill Inactivation, February 23, 1998.
Calculations assume DEC default values with exception of depth to groundwater.
***Values obtained from 1/25/01 sampling event (MW-3 through MW-7).

TABLE 8
Comparison of Calculated Subsurface Soil Concentrations
to Area Weighted Average Concentrations of Contaminants of Concern
Construction Worker Receptor

180-182 Exchange Street
Rochester, New York

Contaminant of Concern	Maximum Detected Concentration**** (mg/kg)	Guidance Value* (mg/kg)	TAGM RSCO** (mg/kg)	Area Weighted Average Concentration*** (mg/kg)	Site Specific Carcinogenic Outdoor Subsoil Concentration Limit*** (mg/kg)	Site Specific Non-Carcinogenic Outdoor Subsoil Concentration Limit*** (mg/kg)
benzene	0.1	0.014	0.06	na	6.4	5
ethylbenzene	14.2	0.1	5.5	na	na	935
toluene	1	0.1	1.5	na	na	317
1,2,4-trimethylbenzene	**305**	0.1	13	31	na	169
1,3,5-trimethylbenzene	63.6	0.1	3.3	na	na	169
o-xylene	29.8	0.1	1.2	na	na	563
m-xylene	107	0.1	1.2	na	na	699
p-xylene	107	0.1	1.2	na	na	292
naphthalene	**102**	0.2	13	10.2	na	10.2
isopropylbenzene	0.7	0.1	5	na	na	13

Key:
mg/kg = milligrams per kilogram
NA = Not applicable.
Bold type indicates an exceedance of the allowable calculated concentration.
*DEC STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy, August 1992.
** NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum (TAGM) HWR 94-4046 (Revised), revised December 20, 2000, Recommended Soil Cleanup Objective (RSCO).
***Calculated Values using New York State Department of Environmental Conservation, Guidelines for Petroleum Spill Inactivation, February 23, 1998. Calculations assume NYSDEC default values with exception of depth to contaminated subsoil layer and source width.
****Area weighted average concentrations calculated in Table 9.

Table 9
Calculated Maximum Allowable Contaminant Concentrations in Surficial Soil
Protective of Inhalation/Dermal Contact/Ingestion
Construction Worker

180-182 Exchange Street
Rochester, New York

Contaminant of Concern	Maximum Detected Concentration (mg/kg)	Guidance Value* (mg/kg)	TAGM RSCO** (mg/kg)	Surficial Soil Concentration for inhalation, dermal & ingest.*** (Carcinogenic - mg/kg)	Surficial Soil Concentration for inhalation, dermal & ingest.*** (Non-Carcinogenic - mg/kg)
benzene	0.1	0.014	0.06	421	187
ethylbenzene	14.2	0.1	5.5	NA	29268
toluene	1	0.1	1.5	NA	19017
1,2,4-trimethylbenzene	305	0.1	13	NA	7606
1,3,5-trimethylbenzene	63.6	0.1	3.3	NA	7606
o-xylene	29.8	0.1	1.2	NA	40044
m-xylene	107	0.1	1.2	NA	40044
p-xylene	107	0.1	1.2	NA	NA
napthalene	102	0.2	13	NA	606
isopropylbenzene	0.7	0.1	5	NA	527

Key:
mg/kg = milligrams per kilogram
NA = Not applicable.
Bold type indicates an exceedance of the allowable calculated concentration.
*DEC STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy, August 1992.
** NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum (TAGM) HWR 94-4046 (Revised), revised December 20, 2000 Recommended Soil Cleanup Objective (RSCO).
***Calculated Values using New York State Department of Environmental Conservation, Guidelines for Petroleum Spill Inactivation, February 23, 1998.
Calculations assume NYSDEC default values with exception of depth to contaminated subsoil layer.
ND = not detected

TABLE 10
Comparison of Calculated Groundwater Concentrations Protective of Indoor Air Vapor Inhalation to Maximum Detected Concentrations of Contaminants of Concern
Construction Worker Receptor

180-182 Exchange Street
Rochester, New York

Contaminant of Concern	Carcinogenic Indoor Groundwater Concentration (ug/L)	Non-Carcinogenic Indoor Groundwater Concentration (mg/L)	Maximum Detected Concentration (mg/L)
benzene	5.54	3.9	0.2
ethylbenzene	na	610.5	0.5
toluene	na	245.4	0.8
1,2,4-trimethylbenzene	na	141.4	1.0
1,3,5-trimethylbenzene	na	185.6	0.2
o-xylene	na	495.2	0.7
m-xylene	na	626.4	3.1
p-xylene	na	200.4	3.1
naphthalene	na	27.4	0.3
Isopropylbenzene	na	3.3	0.04

Key:
mg/L = milligrams per liter.
na = Not applicable.
*Calculated Values using New York State Department of Environmental Conservation, Guidelines for Petroleum Spill Inactivation, February 23, 1998.
Calculations assume NYSDEC default values with exception of depth to groundwater and source width.

TABLE 11
Area Weighted Average Calculations

180-182 Exchange Street
Rochester, New York

Contaminant	Element	Sub Element	Base (ft)	Height (ft)	Sub Area (sf)	Ai Element Area (sf)	Respective Concentrations			Ci Element Avg. Conc.	Ai * Ci
Naphthalene	1	1	6	17	51		**B-7**	**MW-3**	**ntestpit**		
		2	6	17	51	102	0	5.55	24.2	10	1011.5
	2	1	13	18	117		**B-3**	**MW-3**	**ntestpit**		
						117	0	5.55	24.2	10	1160.25
	3	1	15	16.5	123.75		**B-3**	**MW-3**	**ntanksw**		
		2	15	16.5	123.75	247.5	0	5.55	102000	34002	8415457.9
	4	1	15	9	67.5		**B-3**	**GP-106**	**ntanksw**		
		2	8	9	36	103.5	0	2200	102000	34733	3594900
	5	1	14	4	28		**north**	**GP-106**	**ntanksw**		
		2	3	4	6	34	21.15	2200	102000	34740	1181173
	6	1	11	4.5	24.75		**north**	**GP-106**	**nwest**		
		2	2	4.5	4.5	29.25	21.15	2200	21.65	748	21867.3
	7	1	12	16	96		**GP-107**	**GP-106**	**nwest**		
						96	2580.5	2200	21.65	1601	153668.8
	8	1	7	19	66.5		**GP-107**	**GP-106**	**B-3**		
		2	5	19	47.5	114	2580.5	2200	0	1594	181659
	9	1	10	17	85		**GP-107**	**B-6**	**B-3**		
		2	16	17	136	221	2580.5	8.25	0	863	190704.58
	10	1	16	9	72		**ntestpit**	**B-6**	**B-3**		
		2	10	9	45	117	24.2	8.25	0	11	1265.55
	11	1	7	10	35		**ntestpit**	**B-6**	**B-7**		
		2	15	10	75	110	24.2	8.25	0	11	1189.8333
	12	1	16	17	136		**GP-107**	**B-6**	**GP-109**		
		2	11	17	93.5	229.5	2580.5	8.25	15.3	868	199209.83
	13	1	13.5	15	101.25		**GP-107**	**GP-108**	**GP-109**		
		2	19.5	15	146.25	247.5	2580.5	615.3	15.3	1070	264915.75
	14	1	11.5	12	69		**GP-107**	**GP-108**	**nwest**		
		2	13	12	78	147	2580.5	615.3	21.65	1072	157655.05
	15	1	6	6	18		**B-5**	**GP-108**	**nwest**		
		2	11	6	33	51	307	615.3	21.65	315	16047.15
	16	1	8	10	40		**B-5**	**GP-108**	**GP-103**		
Naphthalene		2	10	10	50	90	307	615.3	4.95	309	27817.5
	17	1	21	8	84		**south**	**MW-7**	**swest**		

Note: One-half the detection limit was used for concentration where result was non-detect.

TABLE 11
Area Weighted Average Calculations

180-182 Exchange Street
Rochester, New York

Contaminant	Element	Sub Element	Base (ft)	Height (ft)	Sub Area (sf)	Ai Element Area (sf)	Respective Concentrations			Ci Element Avg. Conc.	Ai * Ci
		2	6	8	24	108	23.1	665	22.95	237	25597.8
	18	1	10.5	4	21		**west**	**MW-7**	**GP-103**		
		2	25	4	50	71	28.4	665	4.95	233	16527.617
	19	1	13	5	32.5		**west**	**B-5**	**GP-103**		
		2	10	5	25	57.5	28.4	307	4.95	113	6523.375
	20	1	30	9	135		**ntankbott**	**B-5**	**ntanksw**		
					0	135	193	307	102000	34167	4612500
	21	1	9	11	49.5		**ntankbott**	**neast**	**ntanksw**		
					0	49.5	193	26.9	102000	34073	1686628.4
	22	1	27	9.5	128.25		**MW-3**	**neast**	**ntanksw**		
		2	9	9.5	42.75	171	5.55	26.9	102000	34011	5815849.7
	23	1	18	5.5	49.5		**west**	**MW-7**	**swest**		
		2	8	5.5	22	71.5	28.4	665	22.95	239	17073.008
	24	1	18	4.5	40.5		**B-5**	**north**	**ntanksw**		
		2	12	4.5	27	67.5	307	21.15	102000	34109	2302383.4
	25	1	6	5	15		**B-5**	**north**	**nwest**		
		2	11	5	27.5	42.5	307	21.15	21.65	117	4955.5
Totals						2829.75					28897742
Area Weighted Avg (ppb)											**10212.1**

Note: One-half the detection limit was used for concentration where result was non-detect.

NYSDEC SPILL REPORT FORM

DEC REGION# 8 (Avon) SPILL NUMBER 0070040

SPILL NAME: MONROE COUNTY SHERIFF DEC LEAD: PM

CALLER'S NAME: NOTIFIER'S NAME:

CALLER'S AGENCY: NOTIFIER'S AGENCY:

CALLER'S PHONE: EXT. NOTIFIER'S PHONE: EXT.

SPILL DATE: 03/31/1999 TIME: 12:00

CALL RECEIVED DATE: 04/19/2000 TIME: 11:09 RECEIVED BY CID #:

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) GASOLINE	(Pet)-Haz-Other-Unk.	Unknown	(Gal) - Lbs	Unknown
2)	Pet-Haz-Other-Unk.		Gal - Lbs	
3)	Pet-Haz-Other-Unk.		Gal - Lbs	
4)	Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION

PLACE: MONROE COUNTY SHERIFF

STREET: 180-182 EXCHANGE STREET

T/C/V: ROCHESTER CO: MONROE

CONTACT: CALLER

PHONE: ( ) - EXT.

POTENTIAL SPILLER

NAME: MONROE COUNTY

STREET: 39 WEST MAIN STREET

CITY: ROCHESTER

STATE: NY ZIP: 14614-

CONTACT: REINHARD GFELLMEIER

PHONE: (716) 760-7600 EXT.

SPILL CAUSE

Human Error	Tank Test Failure*	(Tank Failure)
Traffic Accident	Housekeeping	Tank Overfill
Equipment Failure	Deliberate	Other
Vandalism	Abandoned Drums	Unknown

SPILL SOURCE

Gas Station	Private Dwelling	Non-Maj Facility
Passenger Vehicle	Vessel	Comm/Indust
Comm. Vehicle	Railroad Car	(Non-Comm/Instit)
Tank Truck	Major Facility	Unknown

RESOURCE AFFECTED

On Land	(Groundwater)	Air
In Sewer	Surface Water**	

**WATERBODY:

SPILL REPORTED BY

Responsible Party	Tank Tester	(Local Agency)
Affected Persons	DEC	Federal Gov't
Police Department	Citizen	Other
Fire Department	Health Dept.	

CALLER REMARKS: CALLER REPORTS THAT A PHASE 2 REPORT PREPARED BY SEAR BROWN WAS SENT TO THE DEC IN MARCH 1999 OUTLINING CONTAMINATION FOUND AT THE SITE. 4 MONITORING WELLS WERE INSTALLED AND 11 GEOPROBE POINTS WERE ALSO INSTALLED TO DEFINE EXTENT OF CONTAMINATION. LOCATION IS AT MONROE COUNTY SHERIFFS QUANSETT HUT. CITY HAS

*PBS Number	Tank Number	Tank Size	Test Method	Leak Rate

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs.

SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#:

PIN #	T & A	Cost Center	SR to Central Office
Cleanup Ceased	Meets St'ds NO	Last Inspection	Penalty NO
RP-CUI	ENF-INIT	INVES-COM	CAP
UST Trust Eligible YES	Site: A (B) C D E	Resp. Party 1 2 (3) 4 5 6	Reg Close Date

Created on 04/19/2000 Last Updated on 07/24/2000 Is Updated? NO EDO DATA INPUT [ ]

Date Printed: 08/14/2000

CALLER'S REMARKS (continued)

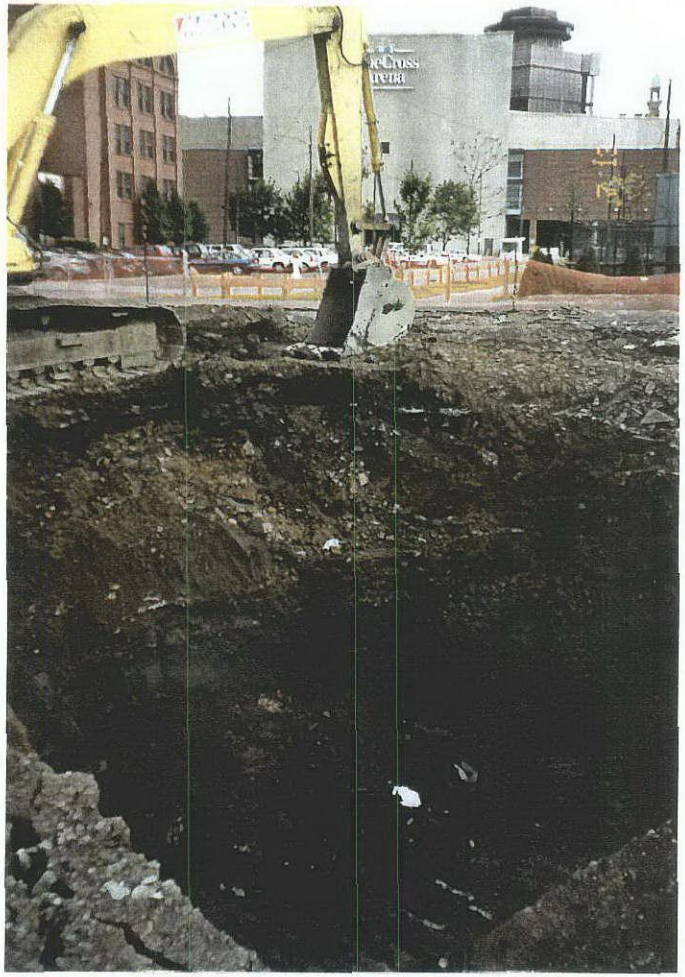
SINCE TAKEN OVER OWNERSHIP OF PROPERTY FROM COUNTY AND WANTS TO CLEAN UP THE PROPERTY FOR THE DEVELOPMENT OF THE TRAIL. RECENT SAMPLING INDICATES GASOLINE CONTAMINATION IN THE SUBSURFACE. CITY OF ROCHESTER TO FORWARD REPORT. FAXED TO MCHD ON 04/27/2000 AT 1123 HRS.

DEC REMARKS

07/21/2000: TH ON SITE WITH APRIL (SEAR BROWN) AND PETE SPAGNOLA (MARCOR). MARCOR HAS EXCAVATED AND DISPOSED OF THE MAJORITY OF CONTAMINATED SOILS. EXCAVATION WORK LIMITED BY THE CHILLER LINE THAT RUNS THROUGH THE AREA. FURTHER INVESTIGATION (TEST PIT) NEEDED TO DETERMINE LOCATION OF SUSPECTED UST LOCATED JUST NORTH OF CHILLER LINE.

PHOTOS 1 THRU 3: **SOIL EXCAVATION** (*2700 ft² area*)

Top Left: South Wall
Top Right: Southwest Wall
Bottom Left: West Wall



PHOTOS 4 THRU 6: **SOIL EXCAVATION**

Top Left: West Wall
Top Right: Northwest Wall
Bottom Right: North Wall *(subsequent to removal of 2000-gallon UST)*

PHOTOS 7 THRU 10:

REMOVAL OF 2000-GALLO
CLOSED-IN-PLACE UST

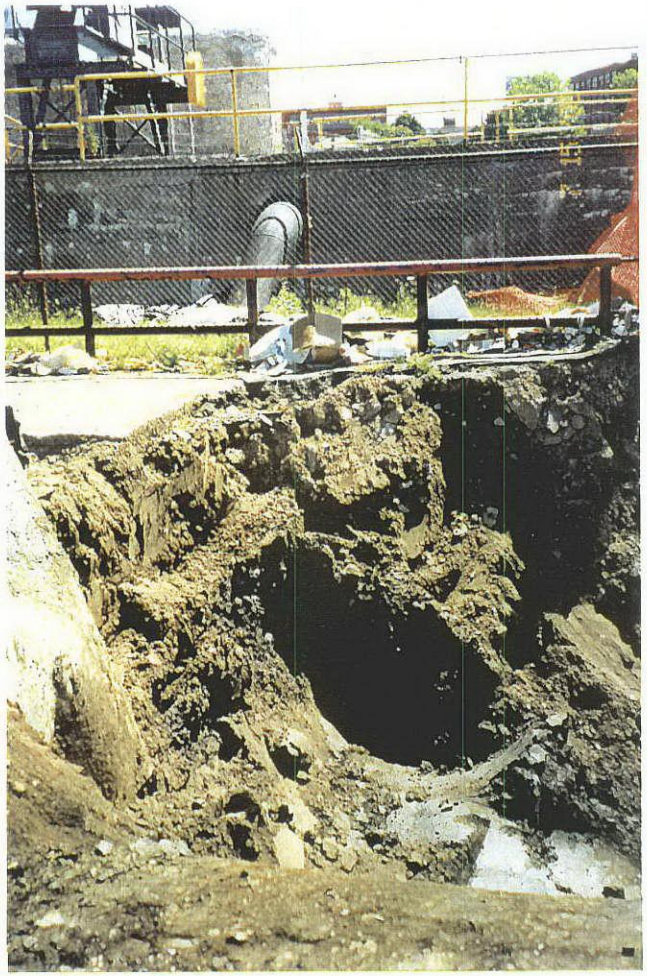


PHOTO 11: **SOIL EXCAVATION** (*440 ft² area*)
North Wall upon removal
of 2000-gallon UST

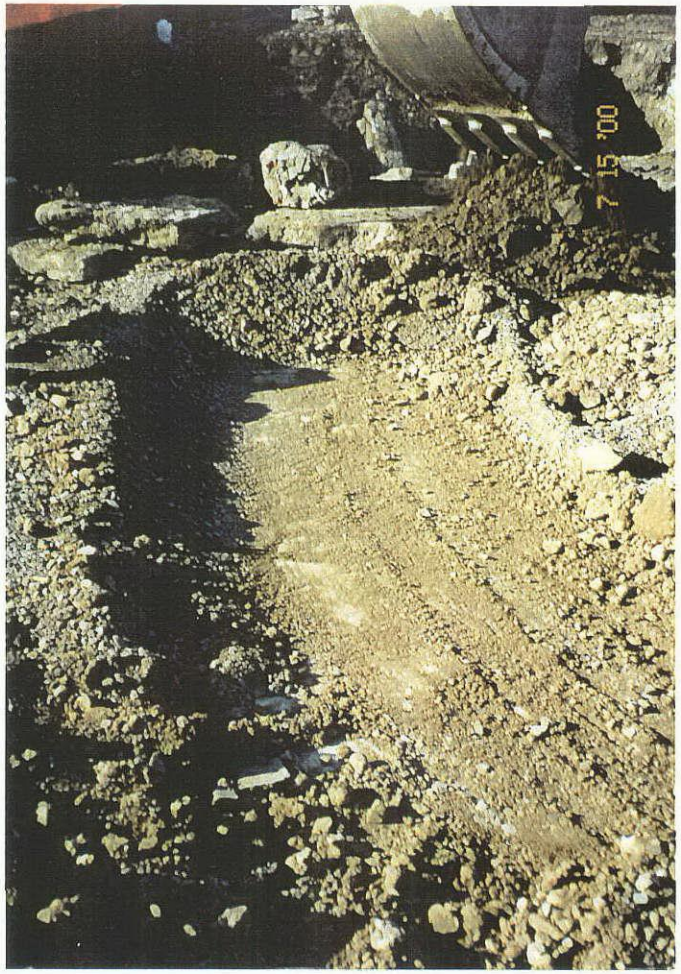
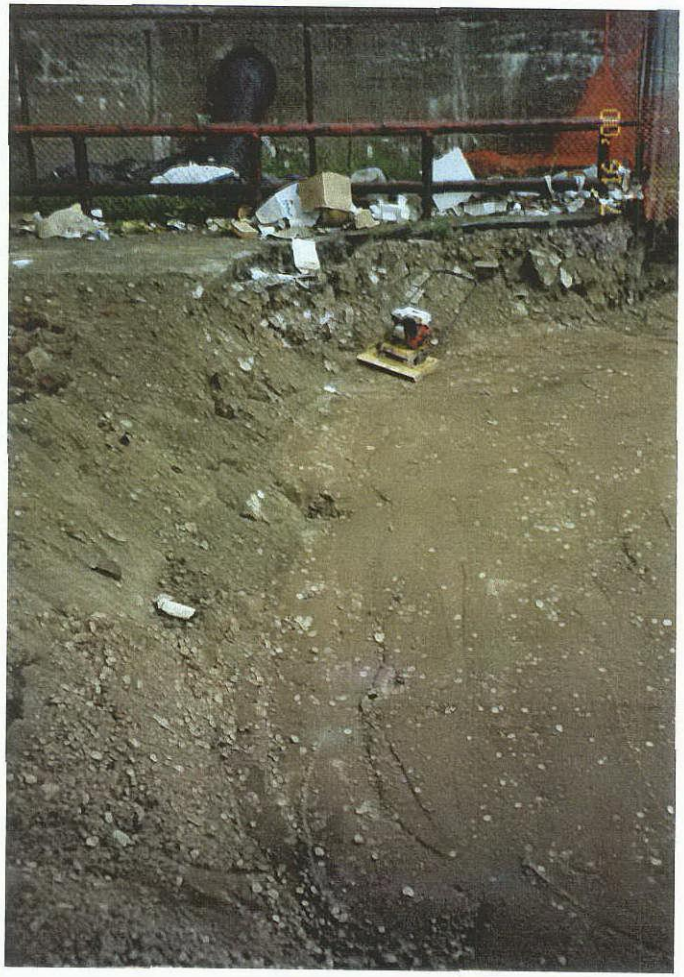


PHOTO 12: **CONCRETE SLAB LOCATED NORTH OF 18-INCH DISCHARGE LINE**

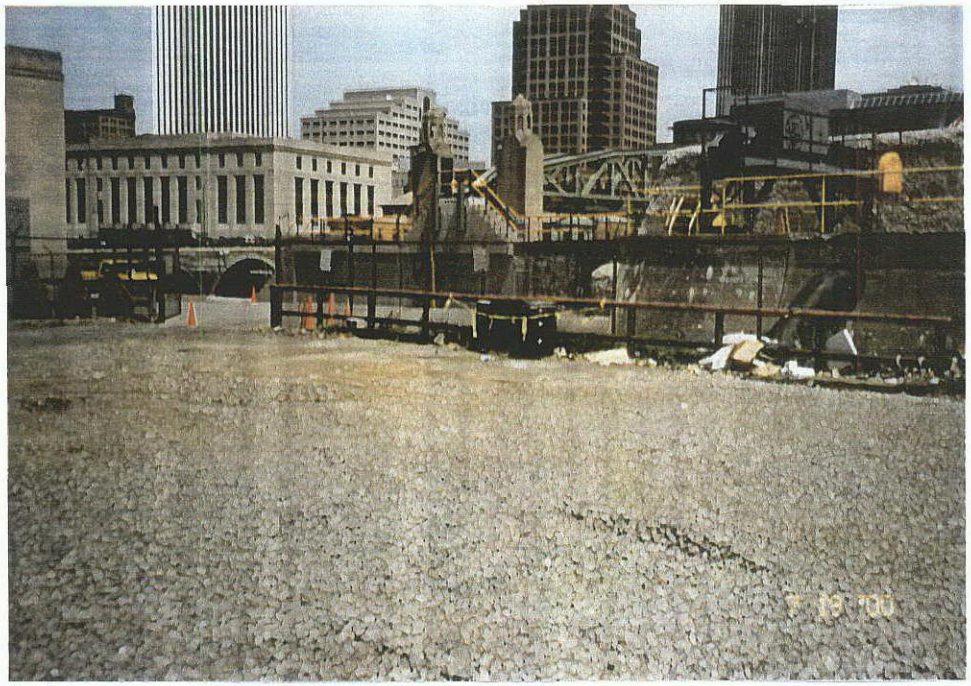
PHOTO 13: **TEST PIT 2**
(*located beneath concrete slab*)

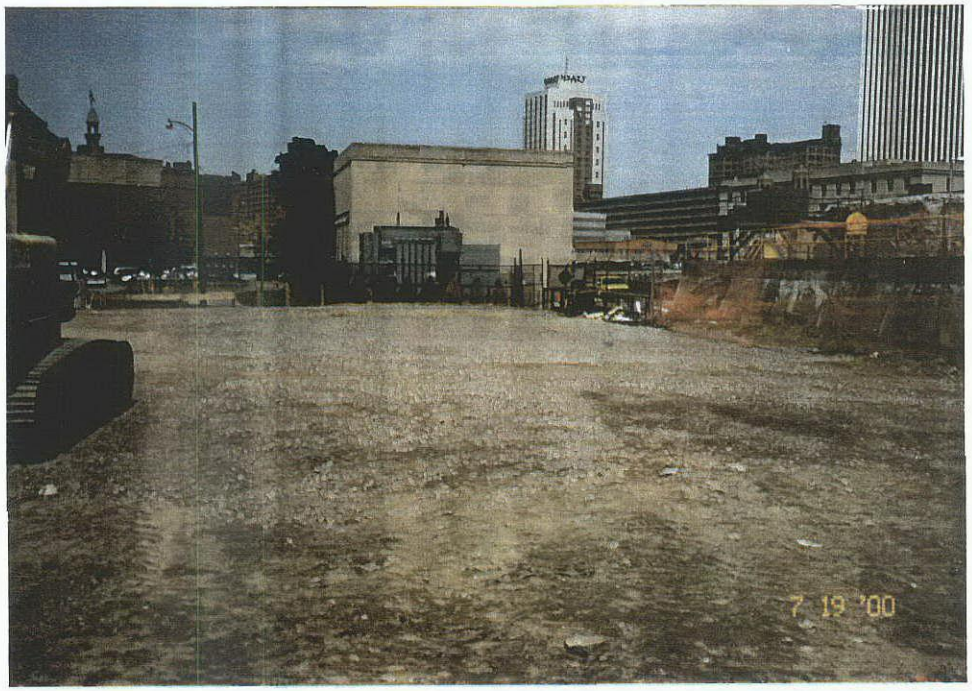
PHOTOS 14 THRU 17:

APPLICATION OF OXYGEN RELEASE COMPOUND (ORC)



PHOTOS 18 THRU 20: BACKFILL AND COMPACTION





PHOTOS 21 THRU 23: SITE RESTORATION

MONROE COUNTY

County of Monroe
Dept of Environmental Services
50 West Main Street
Rochester, NY 14614

Ticket No : 75693
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester, NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 1
Miles : 0
Tons : 0.00

76
122 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 73040 Scale 1 In 8:27:09AM
Tare : 30840 Scale 2 In 8:47:33AM

Net : 42200 lb
21.100 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	337.60
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	337.60

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester, NY 14614

Ticket No : 75726
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester, NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 3
Miles : 0
Tons : 0.00

82
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 67320 Scale 1 In 9:22:16AM
Tare : 29980 Scale 2 In 9:34:33AM
Net : 37340 lb
18.670 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	298.72
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	298.72

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester, NY 14614

Ticket No : 75694
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester, NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 8
Miles : 0
Tons : 0.00

83
132 ADC-PETROL CONT SOIL
Price/tn $ 16.0000

Gross : 73200 Scale 1 In 8:29:10AM
Tare : 38520 Scale 2 In 8:49:39AM
Net : 44280 lb
22.140 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	354.24
Misc $	0.00
Tax $	0.00
Total $	354.24

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75745
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 5
Miles : 0
Tons : 0.00

76
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 70100 Scale 1 In 9:54:11AM
Tare : 31120 Scale 2 In 10:04:58AM
Net : 38980 lb
19.490 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	311.84
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	311.84

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75727
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 4
Miles : 0
Tons : 0.00

78 HD3599 ROLLOFF
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 66700 Scale 1 In 9:23:50AM
Tare : 28580 Scale 2 In 9:35:47AM
Net : 38120 lb
19.060 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	304.96
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	304.96

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75789
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 7
Miles : 0
Tons : 0.00

82
132 ADC-PETROL CONT SOIL
Q1727 C/19 700 STG II 7/6/00
Price/tn $ 16.0000

Gross : 72680 Scale 1 In 10:46:48AM
Tare : 29960 Scale 2 In 10:56:24AM
Net : 42720 lb
21.360 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	341.76
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	341.76

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75748
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 6
Miles : 0
Tons : 0.00

83
132 ADC-PETROL CONT SOIL
Q1727 C/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 73740 Scale 1 In 9:57:21AM
Tare : 28880 Scale 2 In 10:07:05AM
Net : 44860 lb
22.430 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	358.88
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	358.88

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75814
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 9
Miles : 0
Tons : 0.00

76
132 / ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 80300 Scale 1 In 11:21:40AM
Tare : 31360 Scale 2 In 11:36:14AM
Net : 48940 lb
24.470 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	391.52
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	391.52

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75796
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 8
Miles : 0
Tons : 0.00

78 HD3599 ROLLOFF
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 64820 Scale 1 In 10:56:45AM
Tare : 28520 Scale 2 In 11:07:44AM
Net : 36300 lb
18.150 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	290.40
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	290.40

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75856
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 11
Miles : 0
Tons : 0.00

78 HD3599 ROLLOFF
132 ADC-PETROL CONT SOIL
Q1732 D/19 700 STGII 7/13/00
Price/tn $ 16.0000

Gross : 66220 MAN WT In 12:18:34PM
Tare : 28480 Scale 2 In 12:29:10PM
Net : 37740 lb
18.870 tn

Weigh Master: MEL

Driver: Jeff Gilbert

Remarks:

Material $	301.92
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	301.92

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75815
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 10
Miles : 0
Tons : 0.00

83
132 ADC-PETROL CONT SOIL
Q1737 D/ - 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 76900 Scale 1 In 11:22:48AM
Tare : 28780 Scale 2 In 11:37:22AM
Net : 48120 lb
24.060 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	384.96
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	384.96

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75869
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 13
Miles : 0
Tons : 0.00

76
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 75500 Scale 1 In 12:45:07PM
Tare : 31580 Scale 2 In 1:05:12PM
Net : 43920 lb
21.960 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	351.36
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	351.36

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75857
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 12
Miles : 0
Tons : 0.00

82
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 69060 Scale 1 In 12:19:03PM
Tare : 29840 Scale 2 In 12:30:37PM
Net : 39220 lb
19.610 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	313.76
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	313.76

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75902
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 15
Miles : 0
Tons : 0.00

82
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 68060 Scale 1 In 1:43:05PM
Tare : 29780 Scale 2 In 1:54:15PM
Net : 38280 lb
19.140 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	306.24
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	306.24

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75872
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 14
Miles : 0
Tons : 0.00

83
132 ADC-PETROL CONT SOIL
Q173 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 71380 Scale 1 In 12:46:14PM
Tare : 28760 Scale 2 In 1:06:42PM
Net : 42620 lb
21.310 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	340.96
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	340.96

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75915
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 17
Miles : 0
Tons : 0.00

76
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 76300 Scale 1 In 2:09:32PM
Tare : 31580 Scale 2 In 2:35:14PM
Net : 44720 lb
22.360 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	357.76
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	357.76

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75904
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 16
Miles : 0
Tons : 0.00

78 HD3599 ROLLOFF
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 70780 Scale 1 In 1:45:05PM
Tare : 28480 Scale 2 In 1:55:15PM
Net : 42300 lb
21.150 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	338.40
Misc $	0.00
Tax $	0.00
Total $	338.40

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 76020
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 21
Miles : 0
Tons : 0.00

EK8 EL3980 DUMP
132 ADC-PETROL CONT SOIL
Q1738 C/18 700 STGII 7/21/00
Price/tn $ 16.0000

Gross : 106580 Scale 1 In 8:08:43AM
Tare : 35280 Scale 2 In 8:19:00AM
Net : 71300 lb
35.650 tn

Weigh Master: MEL

Driver:

Remarks: SPILL

Material $	570.40
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	570.40

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 75920
Date : 7/20/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 19
Miles : 0
Tons : 0.00

83
132 ADC-PETROL CONT SOIL
Q1737 D/19 700 STG II 7/20/00
Price/tn $ 16.0000

Gross : 72320 Scale 1 In 2:13:13PM
Tare : 28700 Scale 2 In 2:37:06PM
Net : 43620 lb
21.810 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	348.96
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	348.96

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester, NY 14614

Ticket No : 76070
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester, NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 23
Miles : 0
Tons : 0.00

EK8 EL3980 DUMP
132 ADC-PETROL CONT SOIL
Q1738 C/18 700 STGII 7/21/00
Price/tn $ 16.0000

Gross : 106120 Scale 1 In 9:31:43AM
Tare : 35200 Scale 2 In 9:40:26AM
Net : 70920 lb
35.460 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	567.36
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	567.36

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester, NY 14614

Ticket No : 76021
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester, NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 22
Miles : 0
Tons : 0.00

EK7
132 ADC-PETROL CONT SOIL
SPSOIL STOCK PILE CONTAMINATED SOI
Price/tn $ 16.0000

Gross : 103060 Scale 1 In 8:10:54AM
Tare : 38160 Scale 2 In 8:21:14AM
Net : 64900 lb
32.450 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	519.20
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	519.20

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 76129
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 25
Miles : 0
Tons : 0.00

EK8 EL3980 DUMP
132 ADC-PETROL CONT SOIL
Q1738 C/18 700 STGII 7/21/00
Price/tn $ 16.0000

Gross : 106640 Scale 1 In 10:50:43AM
Tare : 35140 Scale 2 In 11:01:42AM
Net : 71700 lb
35.850 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	573.60
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	573.60

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 76073
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 24
Miles : 0
Tons : 0.00

EK7
132 ADC-PETROL CONT SOIL
Q1738 C/18 700 STGII 7/21/00
Price/tn $ 16.0000

Gross : 105400 Scale 1 In 9:36:07AM
Tare : 38200 Scale 2 In 9:46:01AM
Net : 67200 lb
33.600 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	537.60
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	537.60

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14514

Ticket No : 76186
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 27
Miles : 0
Tons : 0.00

EK8 EL3980 DUMP
132 ADC-PETROL CONT SOIL
SPSOIL STOCK PILE CONTAMINATED SOI
Price/tn $ 16.0000

Gross : 92520 Scale 1 In 12:22:54PM
Tare : 35020 Scale 2 In 12:37:52PM
Net : 57500 lb
28.750 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	460.00
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	460.00

MONROE COUNTY

County of Monroe
Dept of Enviromental Services
50 West Main Street
Rochester,NY 14614

Ticket No : 76150
Date : 7/21/00

Customer: C0116
City of Rochester (SW)
DES-Attention: Anne Spaulding
30 Church Street - City Hall
Rochester,NY 14614

Order No :07190001
CONTAMINATED SOIL-PETROLEUM
Loads : 26
Miles : 0
Tons : 0.00

EK7
132 ADC-PETROL CONT SOIL
01739 C/18 700 STGII 7/21/00
Price/tn $ 16.0000

Gross : 112360 Scale 1 In 11:15:50AM
Tare : 38020 Scale 2 In 11:27:56AM
Net : 74340 lb
37.170 tn

Weigh Master: MEL

Driver:

Remarks:

Material $	594.72
Delvry $	0.00
Misc $	0.00
Tax $	0.00
Total $	594.72

Appendix D

MARCOR ENVIRONMENTAL

MARCOR Remediation, Inc.
52 Marway Circle
Rochester, NY 14624-2363

716-247-6955
716-247-6852 (FAX)
800-388-5933
www.marcor.com

July 25, 2000

Ms. April Krause
The Sear-Brown Group
85 Metro Park
Rochester, New York 14623

Re: Tank Removal Project
180-181 Exchange Street
Rochester New York

Dear Ms. Krause:

MARCOR Remediation, Inc. removed one (1) 2000-gallon tank. The tank was formerly filled using K-Crete. The steel outer portion of the tank was sent to Genesee Scrape for recycling. The K-Crete was shipped out as contaminated soil to Mill Seat Landfill.

Tank	Size	Type	Product Contained	Date Cleaned
#1	2000 gallon	Bare Steel	Gasoline	7/19/00

If you have any questions or comments, please feel free to contact me at (716) 247-6955 ext. 4206

Sincerely,
MARCOR Remediation, Inc.

Stephen P. Stockmaster
Environmental Project Manager

CONFIRMATORY SOIL SAMPLE LABORATORY ANALYTICAL REPORT

180-182 EXCHANGE STREET ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5538
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/19/00
Field Location:	WEST-SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 5.72
Benzene	ND< 5.72
Toluene	ND< 5.72
Ethylbenzene	ND< 5.72
m,p-Xylene	ND< 5.72
o-Xylene	19.5
Isopropylbenzene	ND< 5.72
n-Propylbenzene	ND< 5.72
1,3,5-Trimethylbenzene	20.5
tert-Butylbenzene	ND< 5.72
1,2,4-Trimethylbenzene	ND< 5.72
sec-Butylbenzene	ND< 5.72
p-Isopropyltoluene	ND< 5.72
n-Butylbenzene	ND< 5.72
Naphthalene	ND< 28.6

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5539
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/19/00
Field Location:	WEST-BOTT	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 11.4
Benzene	114
Toluene	ND< 11.4
Ethylbenzene	16.0
m,p-Xylene	66.0
o-Xylene	28.1
Isopropylbenzene	26.8
n-Propylbenzene	28.6
1,3,5-Trimethylbenzene	12.0
tert-Butylbenzene	ND< 11.4
1,2,4-Trimethylbenzene	37.2
sec-Butylbenzene	ND< 11.4
p-Isopropyltoluene	ND< 11.4
n-Butylbenzene	ND< 11.4
Naphthalene	ND< 56.8

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5540
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/19/00
Field Location:	SWEST-SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 9.19
Benzene	ND< 9.19
Toluene	ND< 9.19
Ethylbenzene	ND< 9.19
m,p-Xylene	ND< 9.19
o-Xylene	34.6
Isopropylbenzene	ND< 9.19
n-Propylbenzene	ND< 9.19
1,3,5-Trimethylbenzene	14.9
tert-Butylbenzene	ND< 9.19
1,2,4-Trimethylbenzene	ND< 9.19
sec-Butylbenzene	ND< 9.19
p-Isopropyltoluene	ND< 9.19
n-Butylbenzene	ND< 9.19
Naphthalene	ND< 45.9

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5541
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/19/00
Field Location:	SWEST-BOTT	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 8.18
Benzene	178
Toluene	ND< 8.18
Ethylbenzene	19.6
m,p-Xylene	185
o-Xylene	30.4
Isopropylbenzene	ND< 8.18
n-Propylbenzene	ND< 8.18
1,3,5-Trimethylbenzene	8.85
tert-Butylbenzene	ND< 8.18
1,2,4-Trimethylbenzene	24.7
sec-Butylbenzene	ND< 8.18
p-Isopropyltoluene	ND< 8.18
n-Butylbenzene	ND< 8.18
Naphthalene	ND< 40.9

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5542
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/19/00
Field Location:	SOUTH-SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 9.24
Benzene	ND< 9.24
Toluene	ND< 9.24
Ethylbenzene	20.4
m,p-Xylene	69.8
o-Xylene	24.1
Isopropylbenzene	ND< 9.24
n-Propylbenzene	ND< 9.24
1,3,5-Trimethylbenzene	ND< 9.24
tert-Butylbenzene	ND< 9.24
1,2,4-Trimethylbenzene	26.2
sec-Butylbenzene	ND< 9.24
p-Isopropyltoluene	ND< 9.24
n-Butylbenzene	ND< 9.24
Naphthalene	ND< 46.2

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5543
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/19/00
Field Location:	SOUTH-BOTT	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/25/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 9.04
Benzene	ND< 9.04
Toluene	ND< 9.04
Ethylbenzene	ND< 9.04
m,p-Xylene	18.3
o-Xylene	ND< 9.04
Isopropylbenzene	ND< 9.04
n-Propylbenzene	ND< 9.04
1,3,5-Trimethylbenzene	ND< 9.04
tert-Butylbenzene	ND< 9.04
1,2,4-Trimethylbenzene	9.27
sec-Butylbenzene	ND< 9.04
p-Isopropyltoluene	ND< 9.04
n-Butylbenzene	ND< 9.04
Naphthalene	ND< 45.2

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Soil/Sludge (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5544
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NTANK-SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 9,720
Benzene	ND< 9,720
Toluene	ND< 9,720
Ethylbenzene	14,200
m,p-Xylene	107,000
o-Xylene	29,800
Isopropylbenzene	ND< 9,720
n-Propylbenzene	19,900
1,3,5-Trimethylbenzene	63,600
tert-Butylbenzene	ND< 9,720
1,2,4-Trimethylbenzene	305,000
sec-Butylbenzene	ND< 9,720
p-Isopropyltoluene	ND< 9,720
n-Butylbenzene	ND< 9,720
Naphthalene	102,000

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5545
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NTANK-BOTT	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 11.4
Benzene	31.6
Toluene	345
Ethylbenzene	507
m,p-Xylene	1,600
o-Xylene	787
Isopropylbenzene	140
n-Propylbenzene	520
1,3,5-Trimethylbenzene	390
tert-Butylbenzene	ND< 11.4
1,2,4-Trimethylbenzene	1,500
sec-Butylbenzene	33.9
p-Isopropyltoluene	ND< 11.4
n-Butylbenzene	143
Naphthalene	193

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5546
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NEAST-SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 10.8
Benzene	ND< 10.8
Toluene	ND< 10.8
Ethylbenzene	ND< 10.8
m,p-Xylene	76.0
o-Xylene	21.9
Isopropylbenzene	20.6
n-Propylbenzene	19.8
1,3,5-Trimethylbenzene	59.8
tert-Butylbenzene	ND< 10.8
1,2,4-Trimethylbenzene	150
sec-Butylbenzene	ND< 10.8
p-Isopropyltoluene	ND< 10.8
n-Butylbenzene	ND< 10.8
Naphthalene	ND< 53.8

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5547
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	EAST-SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 10.1
Benzene	23.1
Toluene	10.3
Ethylbenzene	ND< 10.1
m,p-Xylene	ND< 10.1
o-Xylene	ND< 10.1
Isopropylbenzene	ND< 10.1
n-Propylbenzene	ND< 10.1
1,3,5-Trimethylbenzene	ND< 10.1
tert-Butylbenzene	ND< 10.1
1,2,4-Trimethylbenzene	ND< 10.1
sec-Butylbenzene	ND< 10.1
p-Isopropyltoluene	ND< 10.1
n-Butylbenzene	ND< 10.1
Naphthalene	ND< 50.5

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5548
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	EAST-BOTT 1	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 9.72
Benzene	30.0
Toluene	17.4
Ethylbenzene	ND< 9.72
m,p-Xylene	ND< 9.72
o-Xylene	ND< 9.72
Isopropylbenzene	ND< 9.72
n-Propylbenzene	ND< 9.72
1,3,5-Trimethylbenzene	ND< 9.72
tert-Butylbenzene	ND< 9.72
1,2,4-Trimethylbenzene	ND< 9.72
sec-Butylbenzene	ND< 9.72
p-Isopropyltoluene	ND< 9.72
n-Butylbenzene	ND< 9.72
Naphthalene	ND< 48.6

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5549
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	EAST - BOTT 2	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 9.73
Benzene	25.0
Toluene	18.0
Ethylbenzene	ND< 9.73
m,p-Xylene	ND< 9.73
o-Xylene	ND< 9.73
Isopropylbenzene	ND< 9.73
n-Propylbenzene	ND< 9.73
1,3,5-Trimethylbenzene	ND< 9.73
tert-Butylbenzene	ND< 9.73
1,2,4-Trimethylbenzene	ND< 9.73
sec-Butylbenzene	ND< 9.73
p-Isopropyltoluene	ND< 9.73
n-Butylbenzene	ND< 9.73
Naphthalene	ND< 48.7

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5550
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NWEST - SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 8.66
Benzene	8.73
Toluene	ND< 8.66
Ethylbenzene	ND< 8.66
m,p-Xylene	ND< 8.66
o-Xylene	ND< 8.66
Isopropylbenzene	ND< 8.66
n-Propylbenzene	ND< 8.66
1,3,5-Trimethylbenzene	ND< 8.66
tert-Butylbenzene	ND< 8.66
1,2,4-Trimethylbenzene	ND< 8.66
sec-Butylbenzene	ND< 8.66
p-Isopropyltoluene	ND< 8.66
n-Butylbenzene	ND< 8.66
Naphthalene	ND< 43.3

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group
Client Job Site: Exchange Blvd.
Client Job No.: 1515507
Field Location: NWEST - BOTT
Field ID No.: N/A

Lab Project No.: 00-1545
Lab Sample No.: 5551
Sample Type: Soil
Date Sampled: 07/20/00
Date Received: 07/21/00
Date Analyzed: 07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 8.13
Benzene	35.8
Toluene	10.7
Ethylbenzene	ND< 8.13
m,p-Xylene	76.0
o-Xylene	ND< 8.13
Isopropylbenzene	ND< 8.13
n-Propylbenzene	9.57
1,3,5-Trimethylbenzene	38.6
tert-Butylbenzene	ND< 8.13
1,2,4-Trimethylbenzene	240
sec-Butylbenzene	ND< 8.13
p-Isopropyltoluene	ND< 8.13
n-Butylbenzene	ND< 8.13
Naphthalene	ND< 40.6

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
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SERVICES, INC.

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

Volatile Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5552
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NORTH - SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 8.45
Benzene	ND< 8.45
Toluene	ND< 8.45
Ethylbenzene	ND< 8.45
m,p-Xylene	ND< 8.45
o-Xylene	ND< 8.45
Isopropylbenzene	ND< 8.45
n-Propylbenzene	ND< 8.45
1,3,5-Trimethylbenzene	ND< 8.45
tert-Butylbenzene	ND< 8.45
1,2,4-Trimethylbenzene	ND< 8.45
sec-Butylbenzene	ND< 8.45
p-Isopropyltoluene	ND< 8.45
n-Butylbenzene	ND< 8.45
Naphthalene	ND< 42.3

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5553
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NORTH - BOTT	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 67.0
Benzene	ND< 67.0
Toluene	ND< 67.0
Ethylbenzene	1,800
m,p-Xylene	1,520
o-Xylene	148
Isopropylbenzene	ND< 67.0
n-Propylbenzene	339
1,3,5-Trimethylbenzene	507
tert-Butylbenzene	ND< 67.0
1,2,4-Trimethylbenzene	2,430
sec-Butylbenzene	ND< 67.0
p-Isopropyltoluene	ND< 67.0
n-Butylbenzene	ND< 67.0
Naphthalene	ND< 335

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5554
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NEAST - SW 3.5	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/27/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 9.02
Benzene	13.7
Toluene	ND< 9.02
Ethylbenzene	ND< 9.02
m,p-Xylene	ND< 9.02
o-Xylene	ND< 9.02
Isopropylbenzene	ND< 9.02
n-Propylbenzene	ND< 9.02
1,3,5-Trimethylbenzene	ND< 9.02
tert-Butylbenzene	ND< 9.02
1,2,4-Trimethylbenzene	ND< 9.02
sec-Butylbenzene	ND< 9.02
p-Isopropyltoluene	ND< 9.02
n-Butylbenzene	ND< 9.02
Naphthalene	ND< 45.1

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5555
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NTESTPIT - SW	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/27/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 9.68
Benzene	ND< 9.68
Toluene	ND< 9.68
Ethylbenzene	ND< 9.68
m,p-Xylene	ND< 9.68
o-Xylene	ND< 9.68
Isopropylbenzene	ND< 9.68
n-Propylbenzene	ND< 9.68
1,3,5-Trimethylbenzene	ND< 9.68
tert-Butylbenzene	ND< 9.68
1,2,4-Trimethylbenzene	ND< 9.68
sec-Butylbenzene	ND< 9.68
p-Isopropyltoluene	ND< 9.68
n-Butylbenzene	ND< 9.68
Naphthalene	ND< 48.4

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-1545
		Lab Sample No.:	5556
Client Job Site:	Exchange Blvd.		
		Sample Type:	Soil
Client Job No.:	1515507		
		Date Sampled:	07/20/00
Field Location:	NTESTPIT - BOTT	**Date Received:**	07/21/00
Field ID No.:	N/A	**Date Analyzed:**	07/27/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 11.7
Benzene	15.4
Toluene	ND< 11.7
Ethylbenzene	ND< 11.7
m,p-Xylene	ND< 11.7
o-Xylene	ND< 11.7
Isopropylbenzene	ND< 11.7
n-Propylbenzene	ND< 11.7
1,3,5-Trimethylbenzene	ND< 11.7
tert-Butylbenzene	ND< 11.7
1,2,4-Trimethylbenzene	ND< 11.7
sec-Butylbenzene	ND< 11.7
p-Isopropyltoluene	ND< 11.7
n-Butylbenzene	ND< 11.7
Naphthalene	ND< 58.5

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue

Rochester, NY 14608

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

REPORT TO:	INVOICE TO:	LAB PROJECT #:	CLIENT PROJECT #:
COMPANY: THE SEAR-BROWN GROUP	COMPANY: <SAME AS TO LEFT>	00-1545	1515507
ADDRESS: 85 METRO PARK	ADDRESS: <SAME AS TO LEFT>		
CITY: ROCHESTER STATE: NY ZIP:	CITY: <SAME AS TO LEFT> STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: (716) 475-1440 FAX:	PHONE: <SAME AS TO LEFT> FAX:	STD ☑ 5	OTHER ☐
PROJECT NAME/SITE NAME: EXCHANGE BLVD	ATTN: APRIL S KRAUSE	ATTN: MIKE STORONSKY	☐ 1 ☐ 2 ☐ 3
	COMMENTS:		

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8021 BTEX + TOTAL VOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 07/19/00	11:30A	✓		WEST - SW	SOIL	2, 4oz	✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55388
2 07/19/00	11:30A		✓	WEST - BOTT	SOIL	1, 4oz	✓		55389
3 07/19/00	11:45A	✓		SWEST - SW	SOIL	2, 4oz	✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55390
4 07/19/00	11:45A		✓	SWEST - BOTT	SOIL	1, 4oz	✓		55391
5 07/19/00	12:00P	✓		SOUTH - SW	SOIL	2, 4oz	✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55392
6 07/19/00	12:00P		✓	SOUTH - BOTT	SOIL	1, 4oz	✓		55393
7 07/20/00	1:00P		✓	NTANK - SW	SOIL	1, 4oz	✓		55394
8 07/20/00	1:00P		✓	NTANK - BOTT	SOIL	1, 4oz	✓		55395
9 07/20/00	2:00P	✓		NEAST - SW	SOIL	2, 4oz	✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55396
10 7/20/00	2:25P	✓		EAST - SW	SOIL	2, 4oz	✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55397

LAB USE ONLY

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

Sampled By:	Date/Time:	Received By:	Date/Time:	Total Cost:
April M Krause	07/21/00 2:35pm			
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
April M Krause	07/21/00 2:35pm			
Relinquished By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**
			7/21/00, 14:15	

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	THE SEAR-BROWN GROUP	COMPANY:	< SAME AS TO LEFT >
ADDRESS:	85 METRO PARK	ADDRESS:	< SAME AS TO LEFT >
CITY:	ROCHESTER, NY	CITY:	< SAME AS TO LEFT >
STATE:		STATE:	
ZIP:		ZIP:	
PHONE:	(716) 475-1440	PHONE:	< SAME AS TO LEFT >
FAX:		FAX:	
ATTN:	APRIL S KRAUSE	ATTN:	MIKE STORONSKY

LAB PROJECT #: 00-15415
CLIENT PROJECT #: 151550.7

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

PROJECT NAME/SITE NAME: EXCHANGE BLVD

COMMENTS:

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TOTAL VOCs	8021 STARS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 07/20/00	2:30P		✓	EAST - BOTT 1	SOIL	1,4oz		✓		55488
2 07/20/00	2:30P		✓	EAST - BOTT 2	SOIL	1,4oz		✓		55489
3 07/21/00	8:30A	✓		NWEST - SW	SOIL	2,4oz		✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55550
4 07/21/00	8:30A	✓		NWEST - BOTT	SOIL	2,4oz		✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55551
5 07/21/00	8:45A	✓		NORTH - SW	SOIL	2,4oz		✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55552
6 07/21/00	8:45A	✓		NORTH - BOTT	SOIL	2,4oz		✓	PLEASE COMPOSITE PRIOR TO ANALYSIS	55553
7 07/21/00	12:00P		✓	NEAST - SW 3.5	SOIL	1,4oz		✓		55554
8 07/21/00	2:20P		✓	NTESTPIT - SW	SOIL	1,4oz		✓		55555
9 07/21/00	2:20P		✓	NTESTPIT - BOTT	SOIL	1,4oz		✓		55556
10										

LAB USE ONLY

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

Sampled By:	Date/Time:	Received By:	Date/Time:	Total Cost:
April A Krause	07/21/00 2:35pm			
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
April A Krause	07/21/00 2:15pm		7/21/00 14:15	
Relinquished By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**

SOIL BORING
LABORATORY ANALYTICAL REPORT

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group
Client Job Site: Exchange BLVD
Client Job No.: 15155.07
Field Location: MW-7 (10'-12')
Field ID No.: N/A

Lab Project No.: 00-2149
Lab Sample No.: 7765
Sample Type: Soil
Date Sampled: 09/18/00
Date Received: 09/25/00
Date Analyzed: 09/26/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 117
Benzene	ND< 117
Toluene	3,690
Ethylbenzene	2,820
m,p-Xylene	11,700
o-Xylene	5,160
Isopropylbenzene	171
n-Propylbenzene	774
1,3,5-Trimethylbenzene	1,720
tert-Butylbenzene	ND< 117
1,2,4-Trimethylbenzene	6,070
sec-Butylbenzene	ND< 117
p-Isopropyltoluene	ND< 117
n-Butylbenzene	ND< 117
Naphthalene	665

Analytical Method: EPA 8021 NYS 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
FAX (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT # 00-1149
COMPANY	SEAR-BROWN	COMPANY	SEAR-BROWN	
ADDRESS	85 METRO PARK	ADDRESS	85 METRO PARK	
CITY / STATE / ZIP	ROCHESTER NY 14623	CITY / STATE / ZIP	ROCHESTER NY 14623	P.O. #
ATT. / PHONE#	APRIL S KRAUSE 475-1440 x741	ATT. / PHONE#	APRIL S KRAUSE 475-1440 x741	
FAX#	424-5951	FAX#	424-5951	☐ ADDENDUM
PROJECT NAME/SITE NAME: EXCHANGE BLVD	COMMENTS:			
PROJECT #: 15155.07		TURN AROUND TIME (WORKING DAYS)	☐ ONE ☐ THREE ☑ FIVE(STD) ☐ OTHER	
		REPRESENTATIVE:		

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS: 8021 STARS VOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
1	09-18-00	15:00		✓	MW-7 (10'-12')	SOIL	1,4oz	✓		7765	
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOTAL COST	
Sean M Krause	09-25-00/08:20	M. Sala	9/25/00 0820				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P.I.F	
RELINQUISHED BY:	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY:		DATE/TIME
		Anne Ortega	9-25-00 950				

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

8222 Routes 5&20 • P.O. Box 65 • West Bloomfield, New York 14585
(716) 657-8001 • Fax (716) 657-6575 • Dispatch (716) 657-8000
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" Over 100 Years of Quality and Service"

August 15, 2000

Marcor of New York, Inc.
52 Marway Circle
Rochester, NY 14624

ATTN: Steve FAX # 247-6852

RE: Material Certification for Coarse Aggregate

Dear Steve:

Please be advised that the screened gravel produced by Elam Sand & Gravel Corp. (ELAM) at the **Route 64 Plant-Ionia, New York** is produced in accordance with the New York State Department of Transportation, (NYS-DOT) "Standard Specifications Handbook" (Handbook), dated January 2, 1995 and meets or exceeds the specifications contained therein.

The NYS-DOT approval letters indicating the same have been enclosed for your review.

The NYS-DOT Source Number for this plant is **4-60G** and the NYS-DOT test numbers for coarse aggregate is **99 AG 23C**.

This is the material that will be supplied to your **180 Exchange Street, Rochester Job.**

I trust that this information and enclosed certification will be sufficient. However, if you have any further questions regarding this matter, please do not hesitate to contact me.

Respectfully,

David Spallina
President

APPLIED BUSINESS SYSTEMS INC.

GROSS 75240 Scale 1 DATE 7/21/00

TARE 25760 STORED

NET 49480 lb TIME 6:40:05AM
24.74 T 22.44 Met Tn 22.44

Loads : 1 Tons : 24.74

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT: TE4TN ITEM #4 PER TON

TRUCKER: NIC42 NICOLETTA, SAM

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

TRUCKER COPY

AGGREGATE TICKET NO. 1013959

APPLIED BUSINESS SYSTEMS INC.

GROSS 73680 Scale 1 DATE 7/21/00

TARE 25760 STORED

NET 47920 lb TIME 8:05:18AM
23.96 T 21.74 Met Tn 104.28

Loads : 5 Tons : 114.95

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT: TE4TN ITEM #4 PER TON

TRUCKER: NIC42 NICOLETTA, SAM

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/

SEE REVERSE FOR TERMS & CONDITIONS

TRUCKER COPY

8222 Routes 5 & 20
P.O. Box 65 • West Bloomfield, NY 14585
(716) 657-8001

ELAM
SAND & GRAVEL

Est. 1892
"100 Years of Quality and Service"

AGGREGATE TICKET NO. 1013944

GROSS	73720	Scale 1	DATE 7/21/00
TARE	30700	STORED	
NET	43020 lb		TIME 6:58:42AM
	21.51 T	19.51 Met Tn	41.96
	Loads 1	Tons 1	46.25

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MINI
DELIVER TO: MARCOR EXCHANGE STREET
PIT: PB01 MENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER ROCHA201 ROCHESTER HAULERS CO.

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/F

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AGGREGATE TICKET NO. 1013962

GROSS	75040	Scale 1	DATE 7/21/00
TARE	30700	STORED	
NET	44340 lb		TIME 8:26:47AM
	22.17 T	20.11 Met Tn	124.39
	Loads 1	Tons 1	137.12

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS

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AGGREGATE TICKET NO. 1013945

GROSS 75460 Scale 1 DATE 7/21/00

TARE 30600 STORED

NET 44860 lb TIME 7:00:03AM
22.43 T 20.35 Met Tn 62.31

Loads : 3 Tons : 68.68

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

W. Ja.

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MERCO

PRODUCT: TE4TN ITEM #4 PER TON

TRUCKER: ROCHA205 ROCHESTER HAULERS

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162

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APPLIED BUSINESS SYSTEMS INC.

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

Loads : 7 Tons : 157.56

ORDER NO P00MES01

GROSS 71400 Scale 1 DATE 7/21/00

TARE 30600 STORED

NET 40800 lb TIME 8:41:25AM
20.44 T 18.54 Met Tn 142.94

AGGREGATE TICKET NO. 1013966

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AGGREGATE TICKET NO. 1013952

GROSS	73580	Scale 1	DATE 7/21/00
TARE	28960	STORED	
NET	44620 lb		TIME 7:28:08AM
	22.31 T	20.24 Met Tn	82.54

Loads : 4 Tons : 90.99

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

JE

SOLD TO: MINORITY MATERIAL HAULERS
MIN1

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER LAJ83 LAJ ENTERPRISES

UNIT	NET PRICE	TOTAL
	Ta	
		WEIGHMAN PB01 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

CUSTOMER COPY

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

AGGREGATE TICKET NO. 1013969

GROSS 71240 Scale 1 DATE 7/21/00
TARE 28960 STORED
NET 42280 lb TIME 9:02:36AM
21.14 T 19.18 Met Tn 162.11
Loads : 8 Tons : 178.70
ORDER NO P00MES01

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APPLIED BUSINESS SYSTEMS INC.

AGGREGATE TICKET NO. [illegible]

GROSS	72900	Scale 1	DATE 7/21/00
TARE	25760	STORED	
NET	47140 lb		TIME 9:25:59AM
	23.57 T	21.38 Met Tn	183.50

Loads : 9 Tons : 202.27

ORDER NO. P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT: ITE4TN ITEM #4 PER TON

TRUCKER: NIC42 NICOLETTA, SAM

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/P

TRUCKER COPY

SEE REVERSE FOR TERMS & CONDITIONS

APPLIED BUSINESS SYSTEMS INC.

AGGREGATE TICKET NO. 1013981

GROSS	73840	Scale 1	DATE 7/21/00
TARE	25760	STORED	
NET	48080 lb		TIME 10:46:41AM
	24.04 T	21.81 Met Tn	240.53

Loads : 12 Tons : 265.14

ORDER NO. P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT: ITE4TN ITEM #4 PER TON

TRUCKER: NIC42 NICOLETTA, SAM

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PBD [illegible]

SEE REVERSE FOR TERMS & CONDITIONS

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Est. 1892
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AGGREGATE TICKET NO. 1013974

GROSS	68260 Scale 1	DATE	7/21/00
TARE	30700 STORED		
NET	37560 lb	TIME	9:58:12AM
	18.78 T 17.04 Met Tn		200.53

Loads : 10 Tons : 221.05

ORDER NO P00M2601

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MIN1 [redacted] NORTEX MATERIAL HAULERS

DELIVER TO: [redacted] MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT: TE4TN ITEM #4 PER TON

TRUCKER: ROCHA201 ROCHESTER HAULERS CO.

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

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APPLIED BUSINESS SYSTEMS INC.

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

ELAM
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AGGREGATE TICKET NO. 1013963

GROSS	72740 Scale 1	DATE	7/21/00
TARE	30700 STORED		
NET	42040 lb	TIME	11:11:17AM
	21.02 T 19.07 Met Tn		279.33

Loads : 14 Tons : 307.91

ORDER NO P00ME501

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AGGREGATE TICKET NO. 1013982

GROSS	72460	DATE	7/21/00
TARE	28960 STORED		
NET	43500	TIME	10:47:48AM
	21.75 Tons	19.00 Met Tn	260.26
	Loads 1	Tons 1	286.89

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINI

DELIVER TO:

PIT: PB01

PRODUCT: TE4TN ITEM #4 PER TON

TRUCKER: LAJ83 LAJ ENTERPRISES

UNIT	NET PRICE	TOTAL
		WEIGHMAN
		PB01 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

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SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

ORDER NO P00MES01

GROSS	75040	DATE	7/21/00
TARE	28960 STORED		
NET	46080	TIME	12:14:45PM
	23.04 Tons	20.90 Met Tn	339.29
	Loads 1	Tons 1	374.01

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AGGREGATE TICKET NO. 1013993

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AGGREGATE TICKET NO. 1013984

GROSS	73140	Scale 1	DATE 7/21/00
TARE	30600	STORED	
NET	42540 lb		TIME 11:13:25AM
	21.27 T	19.30 Met Tn	298.63

Loads : 15 Tons : 329.18

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MIN10 MINORITY MATERIAL HAULERS

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER ROCHA205 ROCHESTER HAULERS

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/P

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AGGREGATE TICKET NO. 1013975

GROSS 73140 Scale 1 DATE 7/21/00
TARE 30600 STORED
NET 42540 lb TIME 9:59:37AM
20.05 T 18.19 Met Tn 219.72
Loads : 11 Tons : 241.10
ORDER NO P00MES01

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AGGREGATE TICKET NO. 1014014

GROSS 71400 Scale 1	DATE 7/21/00
TARE 28960 STORED	
NET 42440 lb	TIME 1:48:18PM
21.22 T	511.36

Loads 24 563.68

ORDER NO P00MEB01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MIN1 [redacted]

DELIVER TO:

PIT: P801

PRODUCT TE4TN

TRUCKER LAJ83

UNIT	NET PRICE	TOTAL
		WEIGHMAN P801 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

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SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

ORDER NO P00MES01

Loads 432.26

GROSS 72780	DATE 7/21/00
TARE 30600 STORED	
NET 42180	TIME 12:29:34PM
21.09	410.28

AGGREGATE TICKET NO. 1013998

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APPLIED BUSINESS SYSTEMS INC.

AGGREGATE TICKET NO. 1014008

GROSS 103900 Scale 1 DATE 7/21/00

TARE 34660 STORED

NET 69240 lb TIME 1:36:32PM

34.62 T 31.41 Met Tn 441.69

Loads : 21 Tons : 486.88

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS

MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER KIM08P KIMBALL, ERNIE W/PUP

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/P

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TRUCKER COPY

APPLIED BUSINESS SYSTEMS INC.

AGGREGATE TICKET NO. 1013992

GROSS 69340 Scale 1 DATE 7/21/00

TARE 25760 STORED

NET 43580 lb TIME 12:01:19PM

21.79 T 19.77 Met Tn 318.39

Loads : 16 Tons : 350.97

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS

MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER NIC42 NICOLETTA, SAM

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN

SEE REVERSE FOR TERMS & CONDITIONS

APPLIED BUSINESS SYSTEMS INC.

AGGREGATE TICKET NO.

GROSS 107460 Scale 1 DATE 7/21/00

TARE 37260 STORED

NET 70200 lb TIME 12:23:38PM

35.10 T 31.84 Met Tn 371.14

Loads : 18 Tons : 409.11

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MIN10 MINORITY MATERIAL HAULERS

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: P801 HENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER KIM07P KIMBALL, ERNIE W/PUP

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN

#320162/P

& CONDITIONS

AGGREGATE TICKET NO. 4009

GROSS 107920 DATE 7/21/00

TARE 37260 STORED

NET 70660 lb TIME 4:19PM

35.33 T 32.05 Met Tn 473.74

Loads : 22 Tons : 522.21

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS

MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: P801

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER KIM07P KIMBALL, ERNIE W/PUP

UNIT	NET PRICE	TOTAL
		WEIGHMAN

DRM1

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AGGREGATE TICKET NO. 1013996

GROSS 74820 Scale 1 DATE 7/21/00

TARE 30700 STORED

NET 44120 lb TIME 12:25:46PM
22.06 T 20.01 Met Tn 391.15

Loads 19 Tons 431.17

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

DELIVER TO: MARCOR-EXCHANGE STREET

PIT: PB01 MENDON

PRODUCT ITE4TN ITEM #4 PER TON

TRUCKER ROCHA201 ROCHESTER HAULERS CO.

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162

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AGGREGATE TICKET NO. 1014012

GROSS 71200 Scale 1 DATE 7/21/00

TARE 30700 STORED

NET 40500 lb TIME 1:49:17PM
20.25 T 18.37 Met Tn 492.11

Loads 1 Tons 23 542.46

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS
MIN10

APPLIED BUSINESS SYSTEMS INC.

AGGREGATE TICKET NO.

GROSS [illegible] Scale 1 DATE [illegible]

TARE [illegible] STORED

NET [illegible] TIME 2:21:31PM

[illegible] 22.55 Met Tn [illegible]

Loads : 25 Tons : 586.33

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS

MIN10 MARCOR-EXCHANGE STREET

DELIVER TO:

PIT: PB01 MENDON

PRODUCT: TE/TN ITEM #4 PER TON

TRUCKER: LAJ83 LAJ ENTERPRISES

UNIT	NET PRICE	TOTAL
	Tax	
		WEIGHMAN PB01 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

TRUCKER COPY

APPLIED BUSINESS SYSTEMS INC.

GROSS 74640 Scale 1 DATE 7/24/00

TARE 25760 STORED

NET 48880 TIME 9:20:47AM

24.44 [illegible] 22.17 Met Tn 22.17

Loads : 1 Tons : 24.44

ORDER NO P00MES01

SIGNATURE—BEFORE SIGNING SEE TERMS & CONDITIONS ON REVERSE SIDE

SOLD TO: MINORITY MATERIAL HAULERS

MIN10 MARCOR-EXCHANGE STREET

DELIVER TO:

PIT: PB01 MENDON

PRODUCT: TE/TN ITEM #4 PER TON

TRUCKER: [illegible]

UNIT	NET PRICE	TOTAL
	Tax	WEIGHMAN PB01 #320162/P

SEE REVERSE FOR TERMS & CONDITIONS

TRUCKER COPY

APPLIED BUSINESS SYSTEMS INC.

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

Shipper's No. _____

(Carrier) MARCON Remediation Inc. SCAC. _____ Carrier's No. _____

Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:

at _____, date 7-25-00 from _____

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)	FROM:
Consignee Industrial Oil Tank Service	Shipper City of Rochester
Street 120 Dry Rd	Street 180-182 Exchange St
Destination Oriskany NY Zip 13424	Origin Rochester NY Zip
Route: 90E to Oriskany	
Delivering Carrier MARCON Remediation, Inc.	Trailer Initial/Number 11380AA N.Y.
U.S. DOT Hazmat Reg. Number 057115T	

No. of packages	HM	Description of articles, special marks, and exceptions	Hazard Class	I.D. Number	Packing Group	*Weight (subject to correction)	Class or rate	Labels required (or exemption)	Check column
2		Non-Regulated Material (petroleum Cont Soil)	-	-	-	10001bs	-	none	
2		non-Regulated Material (petroleum Cont Water)	-	-	-	5001bs	-	none	
		Job # 51-02786-013							
		P.O. # RO-23080							
		Brett D. Field 7/27/00							

Remit C.O.D. to:
Address:
City: — State: — Zip: —

COD AMT: $ —

Charges Advanced $ _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. FEE:
Prepaid ☒
Collect ☐ $

FREIGHT CHARGES
☐ Prepaid ☐ Collect

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".
Note. – where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby _____ per _____
specifically stated by the shipper to be not exceeding _____ per _____

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED none

PLACARDS SUPPLIED ☐ YES ☒ NO - FURNISHED BY CARRIER

DRIVER'S SIGNATURE:

SPECIAL INSTRUCTIONS:

SHIPPER: City of Rochester
PER: Agent for City DATE: 7/25/00

CARRIER: Marcon
PER: _____ DATE: 7-25

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 388 1533
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604).

Permanent post office address of shipper

29-BLS-C4 (Rev. 6/95)

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

THIS MEMORANDUM is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. ______

(Carrier) [illegible] SCAC. ______ Carrier's No. [illegible]-023

Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:

at ______, date 10-17-00 from ______

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)	FROM:
Consignee [illegible]	Shipper City of Rochester
Street 120 Day Rd	Street 1?0 N Exchange St
Destination [illegible] NY Zip [illegible]	Origin Rochester NY Zip
Route: 90 E to [illegible]	

Delivering Carrier	Trailer Initial/Number	U.S. DOT Hazmat Reg. Number
[illegible]	11380AA	052?159

No. of packages	HM	Description of articles, special marks, and exceptions	Hazard Class	I.D. Number	Packing Group	*Weight (subject to correction)	Class or rate	Labels required (or exemption)	Check column
3		Non-Regulated Material (Petroleum Impacted Soil)	—	—	—	600 lbs	—	none	
2		Non-Regulated Material (Petro Impacted Water)	—	—	—	100 gl			
		Job # 51-02786-003	Brett D. Field				10/19/00		
		P.O # RO-23401							

Remit C.O.D. to:
Address:
City: —— State: — Zip: ——

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".
Note. – where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding —— per ——

COD AMT: $ ——

Charges Advanced $ ——

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

—— (Signature of consignor)

C. O. D. FEE:
Prepaid ☐
Collect ☐ $

FREIGHT CHARGES
☒ Prepaid ☐ Collect

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per ——

PLACARDS REQUIRED none

PLACARDS SUPPLIED ☐ YES ☒ NO - FURNISHED BY CARRIER

DRIVER'S SIGNATURE:

SPECIAL INSTRUCTIONS:

SHIPPER: [illegible]
PER: [illegible] DATE: ______
[illegible] for C??

CARRIER: [illegible]
PER: Jeff [illegible] DATE: 10-17-00

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Permanent post office address of shipper

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604)

29-BLS-C4 (Rev. 6/95

SOIL BORING AND MONITORING WELL INSTALLATION LOGS

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

SEAR·BROWN

Soil Boring Log

Test Boring No.: MW-5

Page 1 of 1

Project: Exchange St.
Project #: 1515507
Location: Rochester, NY
Client: City of Rochester

Drilling Contractor: Nothnagle
Driller: Stephen Loranty
Elevation: NA
Weather: Sunny, clear and breezy, mid 70s

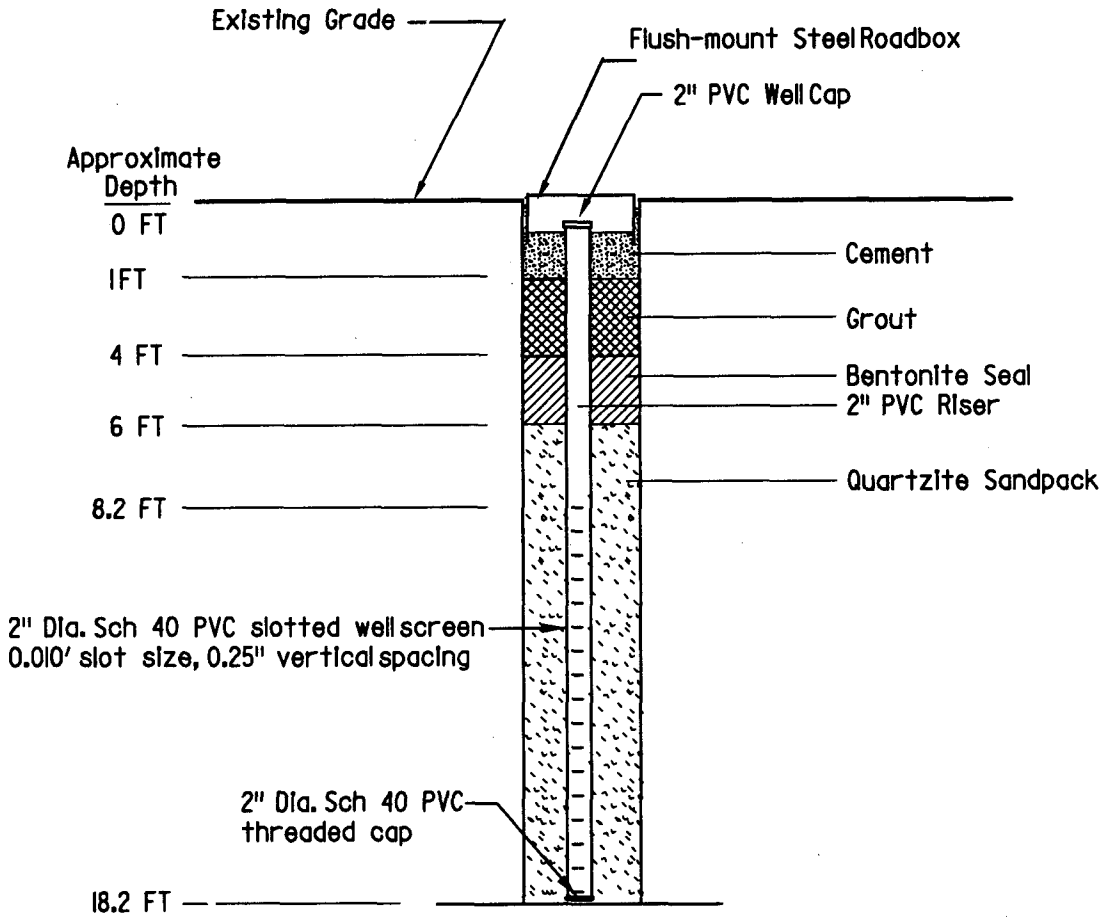
Start Date: 9-18-00
Completion Date: 9-18-00
Drilling Method: 4.25 H.S.A.
Supervisor: A. Krause

		Blows on Sampler				SAMPLE				Soil and Rock Information
0	C	0-6"	6-12"	12-18"	18-24"	PID Peak (ppm)	PID Sust. (ppm)	Rec. (inches)	Depth (feet)	Remarks
		14				5.2	0.6	10	0-2	Dry, FILL - black and brown, GRAVEL, little COBBLES
			16							
				19						
					15					
		11						NR	2-4	No Recovery - Brick in shoe
			6							
				8						
					5					
		3				0	0	8	4-6	Dry, brown, fine SAND, some black fine SAND and fine GRAVEL
			2							
				1						
					5					
		3				7.1	6.4	5	6-8	Dry, FILL - brown and black, fine SAND, some fine GRAVEL, little medium GRAVEL
			6							
				7						
					5					
		3				80.3	5.2	8	8-10	Moist, gray and black, fine SAND, trace CLAY *Faint petro odor*
			2							
				2						
10					3					
		1				118	22.6	15	10-12	Moist, gray, SILT and CLAY, some fine SAND *Faint petro odor*
			1							
				1						
					1					
		1				319	11.7	12	12-14	Wet, brown and gray, fine SAND and SILT, little CLAY
			1							
				1						
					100/4"					
										Rock interface at 13'10". Cored to 18'2".

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

Monitoring Well Installation
180-182 Exchange Street
Sear-Brown
15155.07

MW-5



Note: Drawing Not To Scale

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SEAR·BROWN

Soil Boring Log

Test Boring No.: MW-6

Project: Exchange St.
Project #: 1515507
Location: Rochester, NY
Client: City of Rochester

Drilling Contractor: Nothnagle
Driller: Stephen Loranty
Elevation: NA
Weather: Sunny, clear and breezy, upper 80s

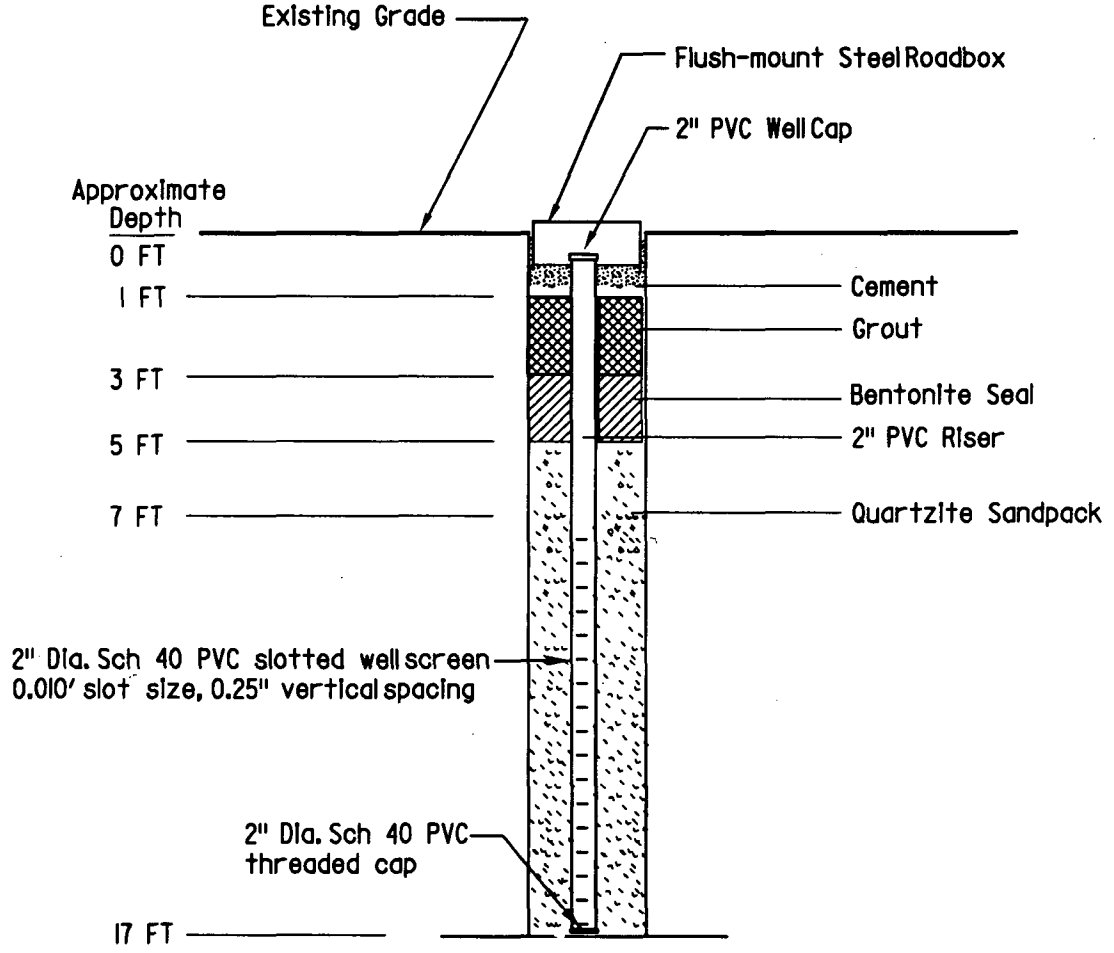
Start Date: 9-19-00
Completion Date: 9-19-00
Drilling Method: 4.25 H.S.A.
Supervisor: A. Krause

		Blows on Sampler				SAMPLE				Soil and Rock Information
0	C	0-6"	6-12"	12-18"	18-24"	PID Peak (ppm)	PID Sust. (ppm)	Rec. (inches)	Depth (feet)	Remarks
		7				12.4	0.5	12	0-2	0 - 2.5" Dry, TOPSOIL 2.5" - 12" Dry, gray, GRAVELS
			20							
				13						
					13					
		8				0	0	10	2-4	Dry, brown, medium SAND, some fine and medium GRAVEL, little coarse GRAVEL
			11							
				12						
					16					
		8				0	0	8	4-6	Dry, brown, medium SAND, some coarse GRAVEL, little medium GRAVEL
			11							
				10						
					9					
		5				0	0	8	6-8	Moist, brown, medium SAND, some fine and medium GRAVEL, little coarse GRAVEL
			8							
				13						
					11					
		6				1.6	0.4	6	8-10	Wet, brown, medium SAND, some fine and medium GRAVEL, little coarse GRAVEL
			13							
				5						
10					6					
		4				0	0	6	10-12	Wet, brown, medium SAND, some fine and medium GRAVEL, little coarse GRAVEL
			6							
				4						
					4					
		100/4"						1	12-14	Wet, brown, medium SAND, some fine and medium GRAVEL, little coarse GRAVEL
										Cored from 12'4" to 17'.

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

Monitoring Well Installation
180-182 Exchange Street
Sear-Brown
15155.07

MW-6



Note: Drawing Not To Scale

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SEAR·BROWN

Soil Boring Log

Test Boring No.: MW-7

Project: Exchange St.
Project #: 1515507
Location: Rochester, NY
Client: City of Rochester

Drilling Contractor: Nothnagle
Driller: Stephen Loranty
Elevation: NA
Weather: Sunny, clear and breezy, upper 70s/80s

Start Date: 9-18-00
Completion Date: 9-19-00
Drilling Method: 4.25 H.S.A.
Supervisor: A. Krause

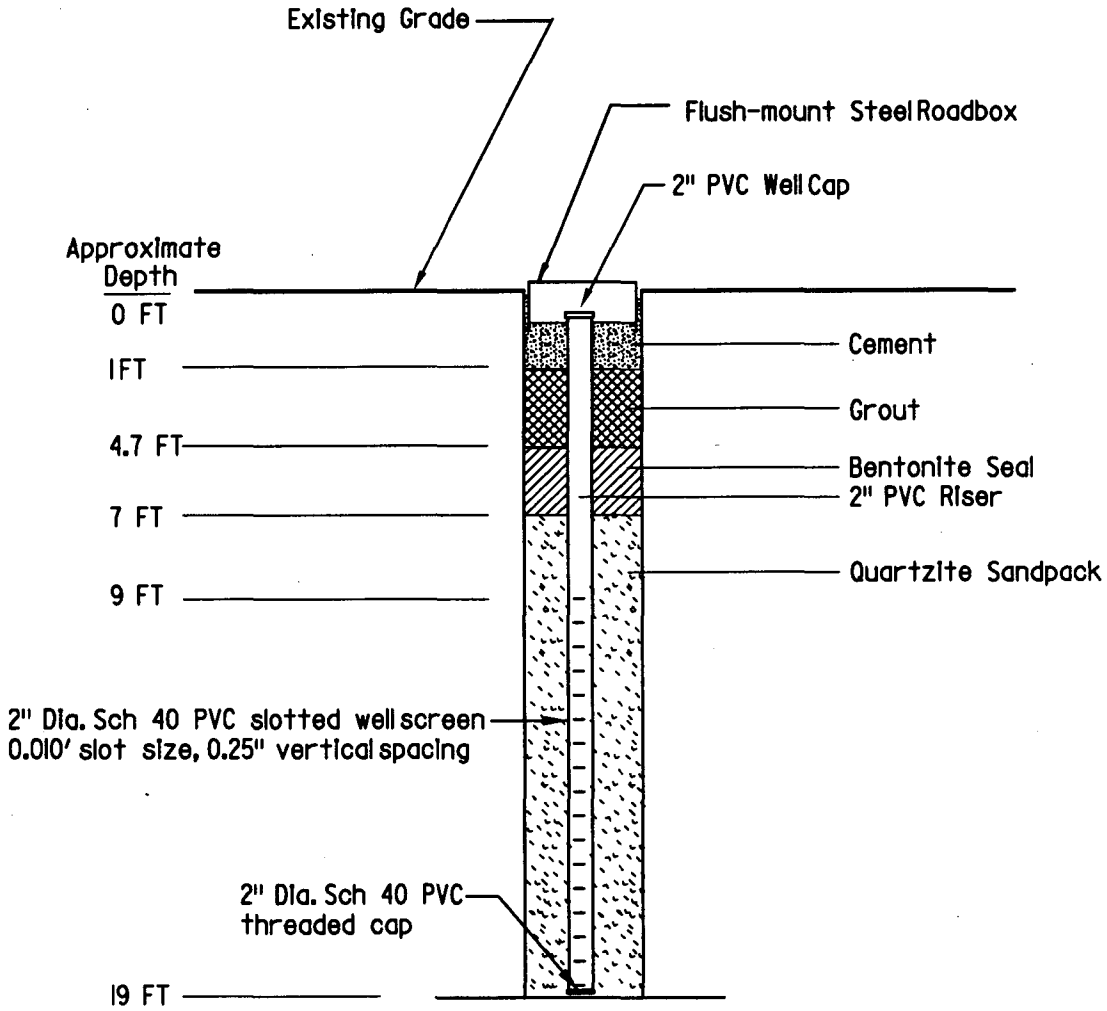
		Blows on Sampler				SAMPLE				Soil and Rock Information
0	C	0-6"	6-12"	12-18"	18-24"	PID Peak (ppm)	PID Sust. (ppm)	Rec. (inches)	Depth (feet)	Remarks
		13				15.2	10.1	12	0-2	Dry, FILL - concrete and brick COBBLES
			22							
				22						
					21					
		2				11.6	8.6	6	2-4	Dry, brown and black, fine and medium SAND, some fine GRAVEL, little coarse GRAVEL, trace COBBLES
			3							
				3						
					5					
		4				33.3	18.9	4	4-6	Dry, brown and black, fine SAND, some fine GRAVEL, little medium GRAVEL and COBBLES
			5							
				5						
					5					
		4				13.7	13.5	3	6-8	Dry, gray and black, fine and medium SAND, little fine GRAVEL
			3							
				2						
					2					
		4				0	0	6	8-10	Moist, brown, fine SAND and SILT, little fine GRAVEL
			4							
				7						
10					4					
		2				3340	730	10	10-12	0 - 6" Moist to wet, brown, fine SAND, little fine GRAVEL
			3							
				3						6" - 10" Wet, gray, fine SAND and SILT *Petro Odor*
					4					
		1				270	34.1	18	12-14	Wet, gray, fine SAND, some SILT, little CLAY
			1							
				1						
					1					
										Rock interface at 14'. Cored to 19'.

Note: MW-7 originally located 16' south of present location; Relocated due to fill and shot rock present throughout boring to a depth of 13' below grade, at which the boring was terminated and moved to present location.

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

Monitoring Well Installation
180-182 Exchange Street
Sear-Brown
15155.07

MW-7



Note: Drawing Not To Scale

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TEST PIT LOGS

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

SEAR·BROWN

ARCHITECTURE
ENGINEERING
PLANNING
CONSTRUCTION

Project: 180-182 Exchange Street
Project No.: 1515507
Date: 07/21/00 Page 1 of 1

TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No: Test Pit 2 Inspected By: A. S. K. Weather/Temp:

Location/Station: N: E: Elev.:

Equipment Used: PC200LC Contractor: MARCOR Operator: Peter Spagnola

Start Time: 2:00 PM Stop Time: 2:25 PM Agency Rep:

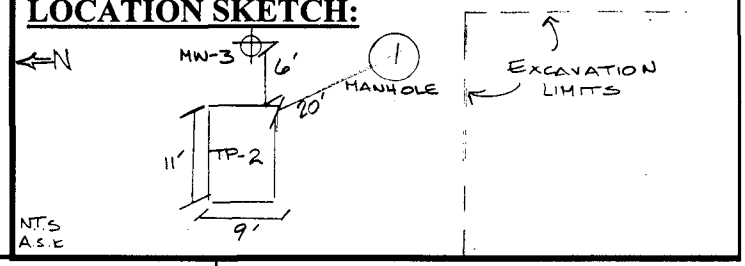
Comments: Located W of MW-3 & N of 18-inch discharge pipe to determine presence/ relative extent of petro contamination N of pipe and presence/absence of suspect UST

- [x] No Rock Encountered.
- [ ] Rock Encountered At ___ Ft.
- [x] No Ground Water Encountered.
- [ ] Ground Water Encountered At ___ Ft.

_____ Fill % _____ MSW %

_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:



DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max (ppm)	Sust (ppm)	Bkgd (ppm)	NOTES/SAMPLES
0-4'	Asphalt; Fill materials, incl. bricks	ND	ND	ND	
4'-6.5'	Dry, brown, fine and medium SAND and GRAVEL	ND	ND	ND	
6.5'-9.5'	Dry, gray, fine SAND, some SILT and coarse GRAVEL	7.0	5.0	ND	Sidewall sample (NTESTPIT-SW) taken and submitted for STARS 8021 analysis
9.5'-11'	Dry to moist, gray, SILT and CLAY, little fine SAND	10.0	4.5	ND	Bottom sample (NTESTPIT-BOTT) taken and submitted for STARS 8021 analysis
	End of TP @ 11'				
	ND = Not Detected				

SEAR·BROWN

ARCHITECTURE
ENGINEERING
PLANNING
CONSTRUCTION

Project: 180-182 Exchange Street
Project No.: 1515507
Date: 07/19/00 Page 1 of 1

TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No: Test Pit 1 Inspected By: A. S. K. Weather/Temp: _____

Location/Station: _____ N: _____ E: _____ Elev.: _____

Equipment Used: PC200LC Contractor: MARCOR Operator: Peter Spagnola

Start Time: 3:20 PM Stop Time: 3:40 PM Agency Rep: _____

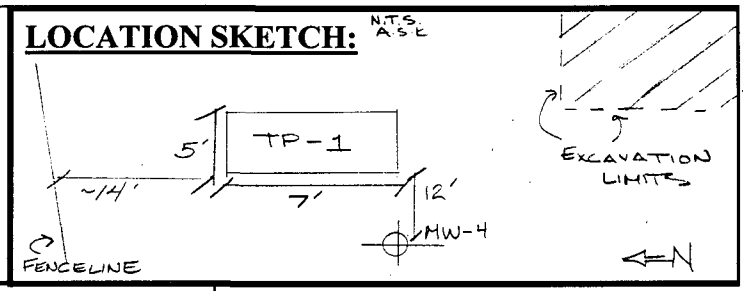
Comments: Located E of MW-4 & N of 18-inch discharge pipe to determine presence/ relative extent of petro contamination N of pipe

- [x] No Rock Encountered.
- [ ] Rock Encountered At ___ Ft.
- [x] No Ground Water Encountered.
- [ ] Ground Water Encountered At ___ Ft.

_____ Fill % _____ MSW %

_____ C&D% _____ Native %(USCS)

LOCATION SKETCH: N.T.S. A.S.L.



DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max (ppm)	Sust (ppm)	Bkgd (ppm)	NOTES/SAMPLES
0-4'	Asphalt; Fill materials, incl. bricks	ND	ND	ND	
4'-7'	Dry, brown, fine and medium SAND and GRAVEL	4.0	3.0	ND	
7'-8'	Dry, gray, fine SAND, some SILT and coarse GRAVEL	107	50	ND	Petro Odor
	End of TP @ 8'				
	ND = Not Detected				

THE SEAR-BROWN GROUP

Project: 180-182 Frankfort St. Project No. 151502

By: DPB Checked:

Date: 7.20.00 Sheet 1 of 13

Total excavation north of pipe = 127 yards

Total conservative estimate of contaminated soil able to be excavated = 44 yards (1.8 tons/yd.) ≈ 80 tons.

Contaminated soil East of GP-106 and North of pipe cannot be excavated due to maintaining 1:1 slopes for pipe.

Based on test pit completed north of pipe on 7.19.00 Volume of contaminated soil able to be excavated north of pipe is less than 80 tons.

Also due to access constraints with large trucks for the Thruway Authority, Work in this area needs to be coordinated with Thruway Authority.

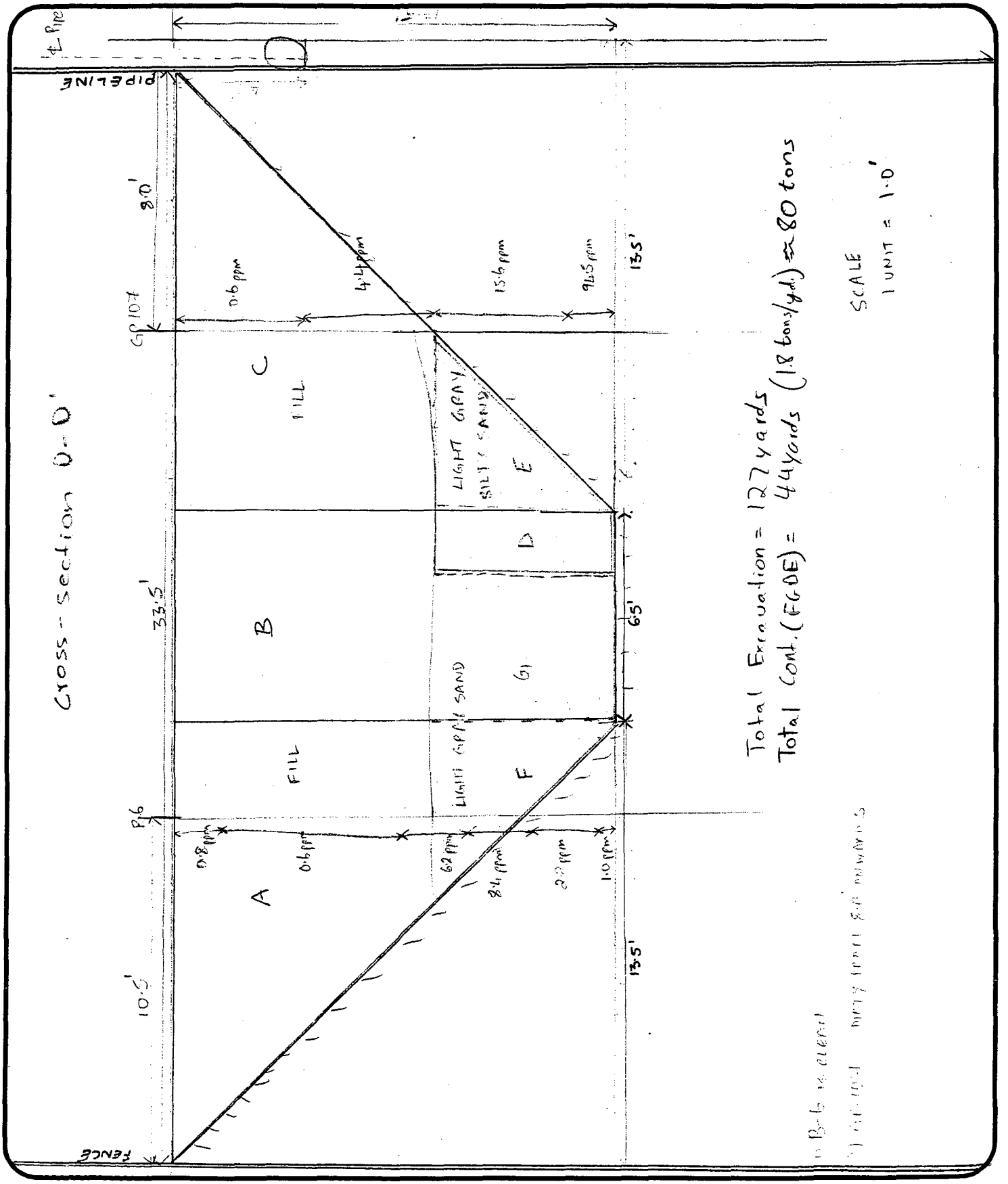
If a change is made in the excavation plan NYSDEC needs to be consulted.

THE SEAR-BROWN GROUP

Project: Exchange St. Project No. 15[illegible]22

By: B. Mar[illegible] Checked: DPR 7.20.00

Date: 7-19-00 Sheet 2 of 13



THE SEAR-BROWN GROUP

Project: EXCHANGE ST [illegible] | Project No. [illegible]
By: [illegible] | Checked: [illegible]
Date: [illegible] | Sheet 3 of 13

CALCULATIONS

1.0 AREA OF EXCAVATION

Area A = $\frac{1}{2} b h = \frac{1}{2} \times 13.5' \times 13.5' = 91.13\ ft^2$ ✓

Area C = $\frac{1}{2} b h = \frac{1}{2} \times 13.5' \times 13.5' = 91.13\ ft^2$ ✓

Area B = $L \times b = 13.5' \times 6.5' = 8.75\ ft^2$ ✓

2.0

- AREA OF CONTAMINATED SOIL; TAKING GPID7 TO BE DIRTY FROM 8.0' ONWARDS AND SPLITTING THE DIFFERENCE IN DISTANCE, WITH B-6.
- DIVIDING THE AREA COLORED RED, INTO D AND E

Area of D = $L \times b = 5.5' \times 2.0' = 11.0\ ft^2$ ✓

Area of E = $\frac{1}{2} b \times H = \frac{1}{2} \times 5.5 \times 5.5' = 15.13\ ft^2$ ✓

3.0

- AREA OF CONTAMINATED SOIL; TAKING GPID7 TO BE DIRTY AND ASSUMING B-6 TO BE DIRTY ALSO, FROM 8.0' ONWARDS.
- DIVIDING THE AREA COLORED GREY, INTO F AND G.

AREA OF F = $\frac{1}{2} b \times H = \frac{1}{2} \times 5.5' \times 5.5' = 15.13\ ft^2$ ✓

AREA OF G = $L \times b = 5.5' \times 4.5' = 24.75\ ft^2$ ✓

AREA D = $11.0\ ft^2$
AREA E = $15.13\ ft^2$

THE SEAR-BROWN GROUP

Project: EXCHANGE ST Project No. [illegible]

By: B. MAGUIRE Checked: DPB 7-20-00

Date: 7-19-00 Sheet 4 of 13

4.0 VOLUME OF EXCAVATION

= Area x 18' 18' → DB reference

= (91.13 + 91.13 + 8.75) ft^2 x 18'

= 191.01 x 18 = 3,438.2 ft^3 / 127 yards ✓

5.0 VOLUME OF CONTAMINATED SOIL, WITH ONLY GP107 TAKEN AS DIRTY

= Area x 18'

= (11.0 + 15.13) ft^2 x 18' = 470.3 ft^3 / 17 yards ✓

6.0 VOLUME OF CONTAMINATED SOIL, WITH GP107 TAKEN AS DIRTY AND B-6 ASSUMED DIRTY

= AREA x 18'

= (15.13 + 24.75 + 11.0 + 15.13) ft^2 x 18'

= 1,188.2 ft^3 / 44 yards

THE SEAR-BROWN GROUP

Project: EXXON #

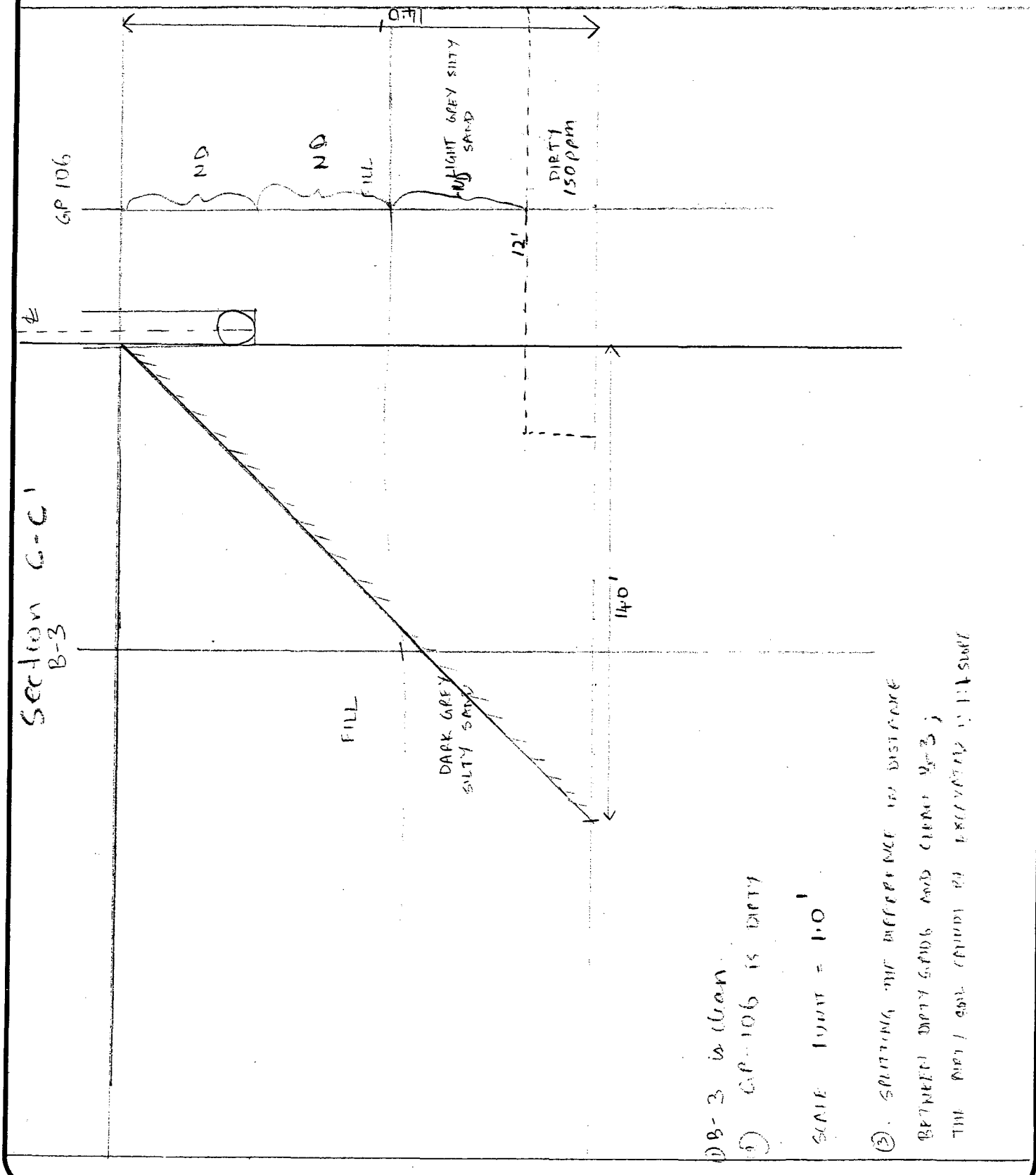
By: B. MACHUCA

Date: 7/19/00

Project No. 1515

Checked: 7-20-00 DPB

Sheet 5 of 13



Section C-C'
B-3

① B-3 is down
② GP-106 is DIRTY
③ SCALE 1 inch = 1.0'

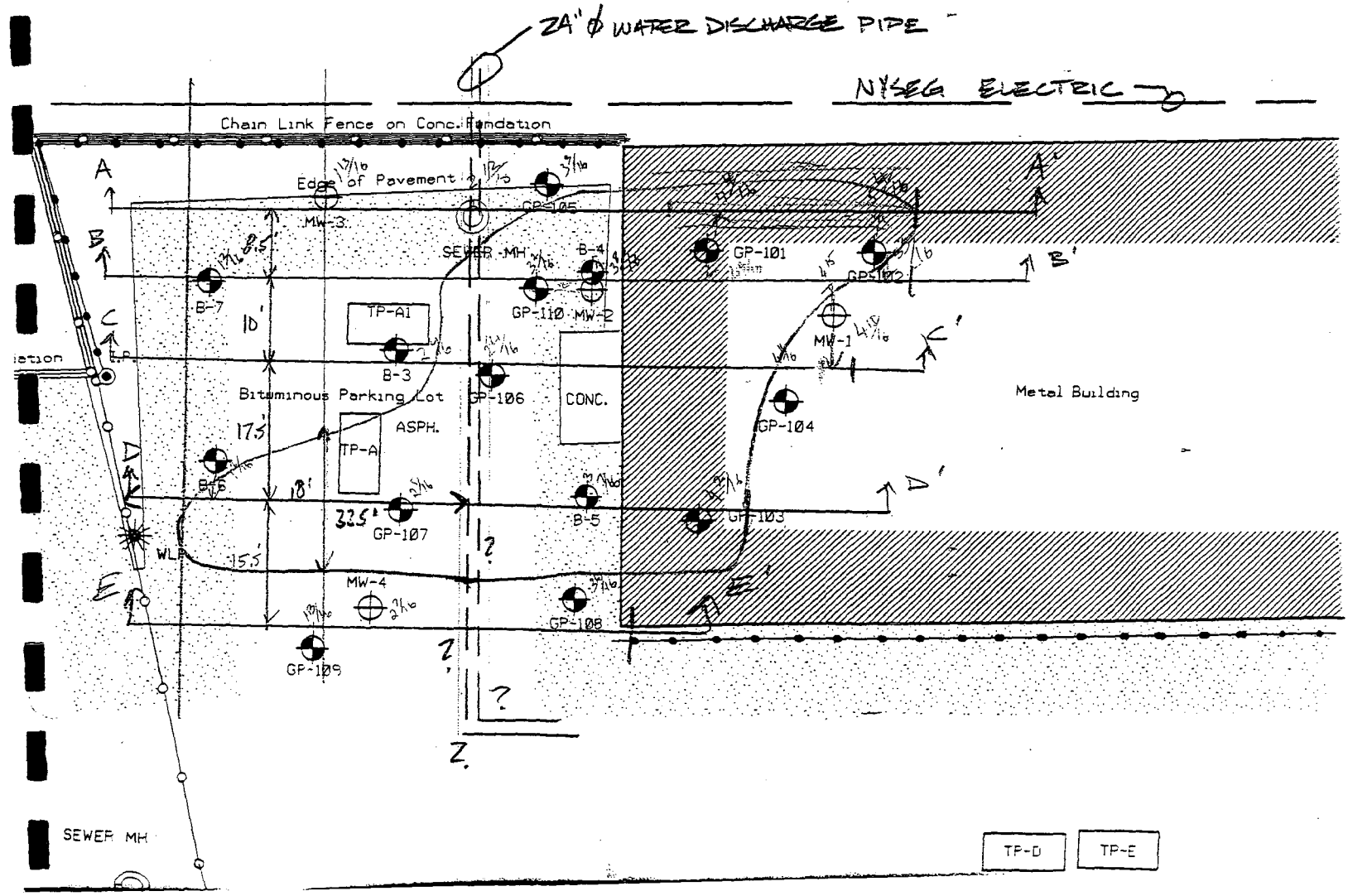
6113

RI

CROSS SECTIONS

SCALE 1"=20'

distances shown are actual measurements

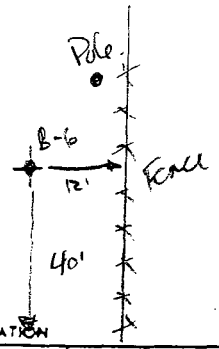


7/0

TABLE 1
SUMMARY OF MAXIMUM SOIL BORING PID HEADSPACE READINGS
180-182 Exchange Street
Rochester, NY

Boring	Sample	Depth (ft BGS)	PID Headspace		
			Peak (ppm)	Background (ppm)	Net (ppm)
B-1	3	5-7	3.6	2.8	0.8
	4	7-9	3.8	2.8	1.0
	5	10-12	3.9	2.8	1.1
	6	12-14.5	4.5	2.8	1.7
B-2	1	1-3	3.6	3.6	0.0
	5	9-11	3.6	3.6	0.0
	6	11-13	3.6	3.6	0.0
	7	13-15	3.6	3.6	0.0
B-3	1	1-1.5	3.4	2.9	0.5
	2	5-7	3.5	2.9	0.6
	3	7-9	4.2	2.9	1.3
	4	9-11	3.5	2.9	0.6
	5	11-13	4.1	2.9	1.2
B-4	1	3-5	18.6	2.6	16.0
	2	5-7	424	2.6	421.4
	3	7-9	1311	2.6	1308.4
	4	9-11	1851	2.6	1848.4
	5	11-13	>2000	NA	>2000
	6	13-14	>2000	NA	>2000
B-5	1	1-3	4.6	4.6	0.0
	2	3-5	8.6	4.6	4.0
	3	5-7	4.6	4.6	0.0
	4	7-9	10.1	4.6	5.5
	5	9-11	154.0	4.6	149.4
	7	13'-14'	>2000	NA	>2000
B-6	1	1-1.5	3.6	2.8	0.8
	2	5-7	3.4	2.8	0.6
	3	7-9	9.0	2.8	6.2
	4	9-11	11.2	2.8	8.4
	5	11-13	5.0	2.8	2.2
	6	13-13.5	3.8	2.8	1.0
B-7	1	3-5	4.1	3.0	1.1
	2	5-7	3.8	3.0	0.8
	3	7-8.3	4.2	3.0	1.2

15155.02 | CITY OF ROCHESTER | 8/13



DATUM ELEVATION

DRILLING METHOD: 3¼" HSA augers.

BORING NUMBER: B-6

SHEET: 1 OF 1

SAMPLING METHOD: 2" x 24" SPLIT SPOON.

DRILLING START TIME: 1150 | DRILLING FINISH TIME: 1130

SURFACE CONDITIONS: Asphalt

DATE: 10/17 | DATE: 10/17

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NUMBER / SAMPLE DEPTH	BLOWS/FT. SAMPLER	OVA AUGER	OVA SAMPLE	OVA CUTTINGS	DEPTH IN FEET	SOIL GRAPH	
								0		Asphalt.
	24 / 12"		1 / 1-1½	4 / 50/6		3.6		1		FILL MATERIAL. BRICK FRAGMENTS, COARSE GRAVEL
								2		
								3		
								4		
								5		
	24 / 24		2 / 5-7	12,22 / 18,14		3.4		6		FILL MATERIAL, BRICK FRAGMENTS, COARSE GRAVEL.
	24 / 24		3 / 7-9	14,11 / 7,10		9.0		7		SAME AS PREVIOUS. BOTTOM 12" LIGHT GRAY SILTY SAND.
	24 / 24		4 / 9-11	2,2 / 4,3		11.2		8		LIGHT GRAY SILTY SAND (WET) (STIFF) Weathered Petrol odor.
	24 / 6"		5 / 11-13	3,3 / 4,3		5.0		9		SAME AS PREVIOUS.
	6" / 6"		6 / 13-13.6	40/6		3.2		10		SAME AS PREVIOUS. DRILLER NOTES refusal @ 13.6' BGS. SPLIT SPOON - AUGER ATTEMPT - REFUSAL @ 13.6' BGS @ 1130
								11		NOTE BKG - 2.8 ppm
								12		
								13		
								14		
								15		
								16		
								17		
								18		
								19		
								20		

TABLE 1
Summary of PID Headspace Readings (ppm)
180-182 Exchange Boulevard
Rochester, NY

LOCATION	DEPTH (ft BGS)	PID READINGS		
		PEAK (ppm)	SUSTAINED (ppm)	BACKGROUND (ppm)
GP-101	0-4	0.4	0.4	0.3
	4-8	3.8	2.3	0.4
	8-12	210	209	0.4
	12-13.5	51.3	43.3	0.9
	Refusal @ 13.5			
GP-102	0-4	0.4	0.4	0.4
	4-8	0.5	0.5	0.4
	8-12	9.9	9.9	0.4
	12-14	0.7	0.7	0.6
	Refusal @ 14			
GP-103	0-4	0.8	0.8	0.8
	4-8	1.0	1.0	0.9
	8-12	1.1	1.1	0.6
	12-13.5	0.7	0.7	0.4
	Refusal @ 13.5			
GP-104	0-4	0.5	0.5	0.4
	4-8	4.3	4.0	0.4
	8-12	3.5	2.2	0.4
	Refusal @ 13.5			
GP-105	0-4	1.1	0.7	0.4
	4-8	3.6	2.0	0.5
	8-12	3.4	2.5	0.3
	12-13.5	1.9	1.3	0.4
	Refusal @ 13.5			
GP-106	0-4	0.4	0.4	0.4
	4-8	0.5	0.4	0.4
	8-12	0.6	0.5	0.4
	12-13	199	150	0.4
	Refusal @ 13			
GP-107	0-4	0.6	0.6	0.6
	4-8	7.8	4.4	0.5
	8-12	19.9	15.6	0.4
	12-13.5	106	94.5	0.3
	Refusal @ 13.5			

10/13

THE SEAR-BROWN GROUP
FULL SERVICE DESIGN PROFESSIONALS

85 METRO PARK
ROCHESTER NEW YORK 14623
716-475-1440
FAX: 716-272-1814

Test Boring No. GP-107
Page 1 of 1

Project 180-182 Exchange
Client C/O Rochester
Elevation _____ Start 3-22 Completed 3-22 Driller Mayer
Water Level - During Drilling _____ Inspector Gerardi
Water Level - At Completion _____
Seasonal and climatic changes may alter observed water levels.

Sample Rec.	Sample No	Depth	
			asphalt pieces, Brown sandy loam, Brick pieces wood and ash [FILL]
	1	5	
			7.5' Same as Previous
	2	10	Lt. Grey Silty Sand (moist) Petro odor
	3		13.5' Same as previous strong Petro odor
		15	Refusal @ 13.5'

11/13

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	98-1909
		Lab Sample No.:	6722
Client Job Site:	Exchange Street		
		Sample Type:	Soil
Client Job No.:	15155.02		
		Date Sampled:	10/17/98
Field Location:	B-6	**Date Received:**	10/20/98
Field ID No.:	9-11'	**Date Analyzed:**	10/20/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND < 6.6
Benzene	ND < 6.6
Toluene	ND < 6.6
Ethylbenzene	6.9
m,p-Xylene	68.5
o-Xylene	8.9
Isopropylbenzene	ND < 6.6
n-Propylbenzene	ND < 6.6
1,3,5-Trimethylbenzene	ND < 6.6
tert-Butylbenzene	ND < 6.6
1,2,4-Trimethylbenzene	ND < 6.6
sec-Butylbenzene	ND < 6.6
p-Isopropyltoluene	ND < 6.6
n-Butylbenzene	ND < 6.6
Naphthalene	ND < 16.5

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

12/13

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Semi-Volatile Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	Lab Project No.:	98-1909
		Lab Sample No.:	6722
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.02		
		Date Sampled:	10/17/98
Field Location:	B-6 9'-11'	Date Received:	10/20/98
Field ID No.:	N/A	Date Analyzed:	10/22/98

COMPOUND	RESULT (ug/Kg)
Naphthalene	ND < 336
Acenaphthene	ND < 336
Fluorene	ND < 336
Fluoranthene	ND < 336
Anthracene	ND < 336
Phenanthrene	ND < 336
Benzo (a) anthracene	ND < 336
Chrysene	ND < 336
Pyrene	ND < 336
Benzo (b) fluoranthene	ND < 336
Benzo (k) fluoranthene	ND < 336
Benzo (g,h,i) perylene	ND < 336
Benzo (a) pyrene	ND < 336
Dibenz (a,h) anthracene	ND < 336
Indeno (1,2,3-cd) pyrene	ND < 336

Analytical Method: EPA 8270 NYS ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By: _____
Laboratory Director

981909S4.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

D/O

Volatile Laboratory Analysis Report For Soil/Sludge

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2403
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07	**Date Sampled:**	03/23/00
Field Location:	GP-107	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/28/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromochloromethane	ND< 76.8	Benzene	ND< 76.8
Bromomethane	ND< 76.8	Bromobenzene	ND< 76.8
Carbon Tetrachloride	ND< 76.8	n-Butylbenzene	ND< 76.8
Chloroethane	ND< 76.8	sec-Butylbenzene	313.8
Chloromethane	ND< 76.8	tert-Butylbenzene	ND< 76.8
1,2-Dibromomethane	ND< 76.8	Chlorobenzene	ND< 76.8
Dibromomethane	ND< 76.8	2-Chlorotoluene	ND< 76.8
1,2-Dibromo-3-Chloropropane	ND< 76.8	4-Chlorotoluene	ND< 76.8
1,1-Dichloroethane	ND< 76.8	1,2-Dichlorobenzene	ND< 76.8
1,2- Dichloroethane	ND< 76.8	1,3-Dichlorobenzene	ND< 76.8
1,1-Dichloroethene	ND< 76.8	1,4-Dichlorobenzene	ND< 76.8
cis- 1,2-Dichloroethene	ND< 76.8	Ethyl Benzene	2177.0
trans-1,2-Dichloroethene	ND< 76.8	Hexachlorobutadiene	ND< 76.8
1,2 - Dichloropropane	ND< 76.8	Isopropylbenzene	662.8
1,3-Dichloropropane	ND< 76.8	4-Isopropyltoluene	703.4
2,2-Dichloropropane	ND< 76.8	Naphthalene	2580.5
1,1- Dichloropropene	ND< 76.8	n-Propylbenzene	2505.2
cis-1,3-Dichloropropene	ND< 76.8	styrene	ND< 76.8
trans-1,3-Dichloropropene	ND< 76.8	Toluene	ND< 76.8
Methylene Chloride	ND< 192.0	1,2,3-Trichlorobenzene	ND< 76.8
1,1,1,2-Tetrachloroethane	ND< 76.8	1,2,4-Trichlorobenzene	ND< 76.8
1,1,2,2-Tetrachloroethane	ND< 76.8	1,2,4-Trimethylbenzene	12791.0 E
Tetrachloroethene	ND< 76.8	1,3,5-Trimethylbenzene	3158.0
1,1,1-Trichloroethane	ND< 76.8	m,p-xylene	7716.2
1,1,2-Trichloroethane	ND< 76.8	o-Xylene	2351.6
Trichloroethene	ND< 76.8		
Trichlorofluoromethane	ND< 76.8		
1,2,3-Trichloropropane	ND< 76.8		
Vinyl Chloride	ND< 76.8		
Bromodichloromethane	ND< 76.8		
Bromoform	ND< 76.8		
Chloroform	ND< 76.8		
Dibromochloromethane	ND< 76.8		

Analytical Method: EPA 8021

NYS ELAP No.: 10958

Approved By: _____
Laboratory Director

Notes: ND denotes Not Detected
E = estimated value

OCTOBER 5, 2000
GROUNDWATER SAMPLING EVENT
LABORATORY ANALYTICAL REPORT

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	00-2279
		Lab Sample No.:	8227
Client Job Site:	180-182 Exchange St. Rochester	**Sample Type:**	Water
Client Job No.:	1515507		
		Date Sampled:	10/05/00
Field Location:	MW3-01	**Date Received:**	10/06/00
Field ID No.:	N/A	**Date Analyzed:**	10/06/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	6.7
Toluene	ND< 2.00
Ethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: Sear-Brown

Client Job Site: 180-182 Exchange St. Rochester

Client Job No.: 1515507

Field Location: MW4-01

Field ID No.: N/A

Lab Project No.: 00-2279

Lab Sample No.: 8228

Sample Type: Water

Date Sampled: 10/05/00

Date Received: 10/06/00

Date Analyzed: 10/06/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	18
Toluene	ND< 2.00
Ethylbenzene	40.1
m,p-Xylene	19.7
o-Xylene	3.43
Isopropylbenzene	15.0
n-Propylbenzene	21.5
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	18.1
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	25.6

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

002279V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	00-2279
		Lab Sample No.:	8229
Client Job Site:	180-182 Exchange St. Rochester	**Sample Type:**	Water
Client Job No.:	1515507		
		Date Sampled:	10/05/00
Field Location:	MW5-01	**Date Received:**	10/06/00
Field ID No.:	N/A	**Date Analyzed:**	10/06/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	140
Toluene	3.91
Ethylbenzene	30.9
m,p-Xylene	152
o-Xylene	56.7
Isopropylbenzene	14.9
n-Propylbenzene	24.5
1,3,5-Trimethylbenzene	19.6
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	77.3
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	24.9

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	00-2279
		Lab Sample No.:	8230
Client Job Site:	180-182 Exchange St. Rochester	**Sample Type:**	Water
Client Job No.:	1515507		
		Date Sampled:	10/05/00
Field Location:	MW6-01	**Date Received:**	10/06/00
Field ID No.:	N/A	**Date Analyzed:**	10/07/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	51
Toluene	70.9
Ethylbenzene	7.97
m,p-Xylene	E 1,110
o-Xylene	E 747
Isopropylbenzene	6.72
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	134
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	E 363
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	82.4

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected
E denotes Estimated. Concentration exceeds calibration range.

Approved By: _____
Laboratory Director
PRELIMINARY

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	00-2279
		Lab Sample No.:	8231
Client Job Site:	180-182 Exchange St. Rochester	**Sample Type:**	Water
Client Job No.:	1515507		
		Date Sampled:	10/05/00
Field Location:	MW7-01	**Date Received:**	10/06/00
Field ID No.:	N/A	**Date Analyzed:**	10/09/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 40.0
Benzene	97
Toluene	1,010
Ethylbenzene	ND< 40.0
m,p-Xylene	2,120
o-Xylene	1,300
Isopropylbenzene	ND< 40.0
n-Propylbenzene	ND< 40.0
1,3,5-Trimethylbenzene	164
tert-Butylbenzene	ND< 40.0
1,2,4-Trimethylbenzene	485
sec-Butylbenzene	ND< 40.0
p-Isopropyltoluene	ND< 40.0
n-Butylbenzene	ND< 40.0
Naphthalene	ND< 100

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	00-2279
		Lab Sample No.:	8232
Client Job Site:	180-182 Exchange St. Rochester	**Sample Type:**	Water
Client Job No.:	1515507		
		Date Sampled:	N/A
Field Location:	Trip Blank	**Date Received:**	10/06/00
Field ID No.:	N/A	**Date Analyzed:**	10/09/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	ND< 0.70
Toluene	ND< 2.00
Ethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8021 NYS 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 FOR REPORT
ADDRESS:	85 METRO PARK	ADDRESS:	"
CITY: / STATE: / ZIP:	ROCHESTER NY 14623	CITY: / STATE: / ZIP:	"
PHONE: / FAX:	(716) 475-1440 / 424-5951	PHONE: / FAX:	"
ATTN:	APRIL S KRAUSE	ATTN:	"

LAB PROJECT #: 002079   CLIENT PROJECT #: 151507

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

PROJECT NAME/SITE NAME: 130-182 EXCHANGE ST, ROCHESTER

COMMENTS: 8021 Stars + TripBlk added @ 10/6 1500 per AK

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8021 STARS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	10/05/00	12:56		✓	MW3-01	GW	2 40ml	✓		8227
2	10/05/00	13:05		✓	MW4-01	GW	2 40ml	✓		8228
3	10/05/00	13:15		✓	MW5-01	GW	↓	✓		8229
4	10/05/00	13:25		✓	MW6-01	GW	↓	✓		8230
5	10/05/00	13:39		✓	MW7-01	GW	2 40ml	✓		8231
6					Trip Blank					8232
7										
8										
9										
10										

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: ☐   PRESERVATIONS: ☐   HOLDING TIME: ☐   TEMPERATURE: ☑ 10° Cool

Sampled By: April A Krause	Date/Time: 10/05/00 15:00	Received By:	Date/Time:
Relinquished By: April A Krause	Date/Time: 10/06/00 2:30 pm	Received By: [signature]	Date/Time: 2:30 pm 10/10/00
Relinquished By:	Date/Time:	Received @ Lab By: [signature]	Date/Time: 10/6/00 15:20

Total Cost:

P.I.F.

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 for Report
ADDRESS:	85 Metro Park	ADDRESS:	"
CITY: / STATE: / ZIP:	Rochester NY 14623	CITY: / STATE: / ZIP:	"
PHONE: / FAX:	(716) 475-1440 / 424-5951	PHONE: / FAX:	"
ATTN:	April S Krause	ATTN:	"
COMMENTS:			

LAB PROJECT #:

CLIENT PROJECT #: B1550

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

PROJECT NAME/SITE NAME: [illegible] ... St, Rochester

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS		8021 STARS	per [illegible] Paradigm 10/06/00		REMARKS	PARADIGM LAB SAMPLE NUMBER
1	10/05/00	12:56		✓	MW3-01	GW	2/40ml		✓				
2	10/05/00	13:05		✓	MW4-01	GW	2/40ml		✓				
3	10/05/00	13:15		✓	MW5-01	GW	↓		✓				
4	10/05/00	13:25		✓	MW6-01	GW	↓		✓				
5	10/05/00	13:39		✓	MW7-01	GW	2/40ml		✓				
6					Trip				✓				
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: 10/05/00 15:00	Received By:	Date/Time:	Total Cost:
Relinquished By: [signature]	Date/Time: 10/06/00 2:30pm	Received By: [signature]	Date/Time: 2:30pm 10/10/00	
Relinquished By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.

OCTOBER 16, 2000
GROUNDWATER SAMPLING EVENT
LABORATORY ANALYTICAL REPORT

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

PARADIGM
Environmental Services, Inc.

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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Sear-Brown	**Lab Project No.:**	00-2362
		Lab Sample No.:	8510
Client Job Site:	180-182 Exchange St		
		Sample Type:	Water
Client Job No.:	1515507		
		Date Sampled:	10/16/2000
Field Location:	MW-3	**Date Received:**	10/16/2000
Field ID No:	N/A	**Date Analyzed:**	10/18/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002362P1.XLS

PARADIGM
Environmental Services, Inc.

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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Sear-Brown	**Lab Project No.:**	00-2362
		Lab Sample No.:	8511
Client Job Site:	180-182 Exchange St		
		Sample Type:	Water
Client Job No.:	1515507		
		Date Sampled:	10/16/2000
Field Location:	MW-4	**Date Received:**	10/16/2000
Field ID No:	N/A	**Date Analyzed:**	10/18/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC as Gasoline	351	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002362P2.XLS

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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Sear-Brown	**Lab Project No.:**	00-2362
		Lab Sample No.:	8512
Client Job Site:	180-182 Exchange St		
		Sample Type:	Water
Client Job No.:	1515507		
		Date Sampled:	10/16/2000
Field Location:	MW-5	**Date Received:**	10/16/2000
Field ID No:	N/A	**Date Analyzed:**	10/18/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Petroleum Hydrocarbon	BDL	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002362P3.XLS

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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	**Sear-Brown**	**Lab Project No.:**	00-2362
		Lab Sample No.:	8513
Client Job Site:	180-182 Exchange St		
		Sample Type:	Water
Client Job No.:	1515507		
		Date Sampled:	10/16/2000
Field Location:	MW-6	**Date Received:**	10/16/2000
Field ID No:	N/A	**Date Analyzed:**	10/18/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC as Gasoline	**1,070**	**250**

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002362P4.XLS

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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	Sear-Brown	**Lab Project No.:**	00-2362
		Lab Sample No.:	8514
Client Job Site:	180-182 Exchange St		
		Sample Type:	Water
Client Job No.:	1515507		
		Date Sampled:	10/16/2000
Field Location:	MW-7	**Date Received:**	10/16/2000
Field ID No:	N/A	**Date Analyzed:**	10/18/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC as Gasoline	4,770	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 002362P5.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: Sear-Brown
Client Job Site: 180-182 Exchange St
Client Job No.: 1515507
Field Location: MW-6
Field ID No.: N/A

Lab Project No.: 00-2362
Lab Sample No.: 8513
Sample Type: Water
Date Sampled: 10/16/00
Date Received: 10/16/00
Date Analyzed: 10/20/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	59
Toluene	25.2
Ethylbenzene	ND< 2.00
m,p-Xylene	E 1,300
o-Xylene	E 999
Isopropylbenzene	2.03
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	155
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	E 363
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	67.3

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected
E denotes Estimated. Concentration exceeds calibration range.
Sample analysis included top sheen layer. Re-analysis of underlying water did not show corresponding hydrocarbon concentrations.

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 TO"	LAB PROJECT #: 20-23602 / CLIENT PROJECT #: 151555.01
ADDRESS: 85 METRO PARK	ADDRESS:	
CITY: ROCHESTER STATE: NY ZIP: 14623 (475-1440)	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX: 427-5951	PHONE: FAX:	STD ☐ OTHER ☐ 1 ☐ 2 ☐ 3 ☐ 5
PROJECT NAME/SITE NAME: Task 702 Excelsior St	ATTN: DAVID BELASKAS/APRIL KRAUSE	ATTN: SAME AS "REPORT TO"
	COMMENTS: x762 x791	→ PLEASE NOTE SAMPLES TO HOLD UNTIL FURTHER NOTICE ←

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS		TPH 8010-13 1 CONT	VOCs STARS 8021							REMARKS	PARADIGM LAB SAMPLE NUMBER
1	10/16/00	0907		✓	MW-3	GW	1		✓									85510
2	10/16/00	0914		✓	MW-4	GW	1		✓									85511
3	10/16/00	0920		✓	MW-5	GW	1		✓									85512
4	10/16/00	0933		✓	MW-6	GW	3		✓	✓							* HOLD VOC analysis	85513
5	10/16/00	0942		✓	MW-7	GW	1		✓								per SB	85514
6																		
7	10/16/00			✓	DUP	GW	1	*	✓								* HOLD TPH analysis	
8	10/16/00			✓	DUP2	GW	1	*	✓								* of duplicates	
9	10/16/00			✓	TRIP					✓							* HOLD Trip Blank analysis	
10																		

****LAB USE ONLY****

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

Sampled By:	Date/Time:	Received By:	Date/Time:	Total Cost:
April M Krause	10/16/00 1100	April M Krause	10/16/00 1100	
Relinquished By:	Date/Time:	Received By:	Date/Time:	
		M. Lee	10/17/00 11:00	
Relinquished By:	Date/Time:	Received @ Lab By:	Date/Time:	P.I.F.
		Jane J Allen	10/18/00 1130	

JANUARY 24, 2001
GROUNDWATER SAMPLING EVENT
LABORATORY ANALYTICAL REPORT

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	01-0279
		Lab Sample No.:	1681
Client Job Site:	Exchange St		
		Sample Type:	Water
Client Job No.:	15155.07		
		Date Sampled:	01/24/01
Field Location:	MW7-02	**Date Received:**	01/24/01
Field ID No.:	N/A	**Date Analyzed:**	01/26/01

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 20.0
Benzene	210
Toluene	825
Ethylbenzene	524
m,p-Xylene	2,100
o-Xylene	724
Isopropylbenzene	33.0
n-Propylbenzene	93.4
1,3,5-Trimethylbenzene	176
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	740
sec-Butylbenzene	ND< 20.0
p-Isopropyltoluene	ND< 20.0
n-Butylbenzene	ND< 20.0
Naphthalene	116

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	Sear-Brown	**Lab Project No.:**	01-0279
		Lab Sample No.:	1682
Client Job Site:	Exchange St		
		Sample Type:	Water
Client Job No.:	15155.07		
		Date Sampled:	01/24/01
Field Location:	MW6-02	**Date Received:**	01/24/01
Field ID No.:	N/A	**Date Analyzed:**	01/30/01

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 20.0
Benzene	26
Toluene	138
Ethylbenzene	306
m,p-Xylene	3,110
o-Xylene	118
Isopropylbenzene	35.1
n-Propylbenzene	48.4
1,3,5-Trimethylbenzene	248
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	1,000
sec-Butylbenzene	ND< 20.0
p-Isopropyltoluene	ND< 20.0
n-Butylbenzene	ND< 20.0
Naphthalene	478

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: Sear-Brown
Client Job Site: Exchange St
Client Job No.: 15155.07
Field Location: MW5-02
Field ID No.: N/A

Lab Project No.: 01-0279
Lab Sample No.: 1683
Sample Type: Water
Date Sampled: 01/24/01
Date Received: 01/24/01
Date Analyzed: 01/26/01

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	130
Toluene	2.57
Ethylbenzene	77.2
m,p-Xylene	54.2
o-Xylene	5.22
Isopropylbenzene	7.73
n-Propylbenzene	11.9
1,3,5-Trimethylbenzene	4.69
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	34.5
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	153

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: Sear-Brown
Client Job Site: Exchange St
Client Job No.: 15155.07
Field Location: MW3-02
Field ID No.: N/A

Lab Project No.: 01-0279
Lab Sample No.: 1684
Sample Type: Water
Date Sampled: 01/24/01
Date Received: 01/24/01
Date Analyzed: 01/30/01

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	ND< 0.70
Toluene	ND< 2.00
Ethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	25.8

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: Sear-Brown
Client Job Site: Exchange St
Client Job No.: 15155.07
Field Location: MW4-02
Field ID No.: N/A

Lab Project No.: 01-0279
Lab Sample No.: 1685
Sample Type: Water
Date Sampled: 01/24/01
Date Received: 01/24/01
Date Analyzed: 01/26/01

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	10.0
Toluene	ND< 2.00
Ethylbenzene	12.6
m,p-Xylene	15.3
o-Xylene	3.25
Isopropylbenzene	17.1
n-Propylbenzene	29.7
1,3,5-Trimethylbenzene	4.11
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	19.3
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	2.73
Naphthalene	9.47

Analytical Method: EPA 8021 NYS 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 Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: Sear-Brown
Client Job Site: Exchange St
Client Job No.: 15155.07
Field Location: Trip Blank
Field ID No.: N/A

Lab Project No.: 01-0279
Lab Sample No.: 1686
Sample Type: Water
Date Sampled: N/A
Date Received: 01/24/01
Date Analyzed: 01/31/01

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-butyl Ether	ND< 2.00
Benzene	ND< 0.70
Toluene	ND< 2.00
Ethylbenzene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

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

REPORT TO:		INVOICE TO:			
COMPANY: Sear-Brown		COMPANY:		LAB PROJECT #: 01-0219	CLIENT PROJECT #:
ADDRESS: 85 Metro Pk.		ADDRESS: Same		TURNAROUND TIME: (WORKING DAYS)	
CITY: Rochester STATE: NY ZIP: 14625		CITY: STATE: ZIP:		1 ☐ 2 ☐ 3 ☐ STD 5 ☒	OTHER ☐
PHONE: 716-475-1440	FAX: 716-424-5917	PHONE:	FAX:		
ATTN: Mike Storonsky		ATTN:			
COMMENTS:					

PROJECT NAME/SITE NAME: [illegible] 151557.07

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	[illegible]	VOCs										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/24/01	10:00		X	MW7-02	GW	2	X												1681
2		11:00		X	MW6-02		2	X												1682
3		12:00		X	MW5-02		2	X												1683
4		13:00		X	MW3-02		2	X												1684
5		14:45		X	MW4-02		2	X												1685
6					Trip Blk		1	X											Trip Blk [illegible]	1686
7																				
8																				
9																				
10																				

LAB USE ONLY

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

Sampled By: Paul [illegible]	Date/Time: 1/24/01 [illegible]	Received By:	Date/Time:	Total Cost:
Relinquished By:	Date/Time:	Received By: [illegible]	Date/Time: 1/24/01 15:30	
Relinquished By:	Date/Time:	Received @ Lab By: [illegible]	Date/Time: 1/24/01 16:35	P.I.F.

Appendix K

HISTORICAL DETECTED VOC ANALYTICAL RESULTS FOR SOIL

180-182 EXCHANGE STREET
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: Sear - Brown Group
Client Job Site: Exchange St.
Client Job No: 15155.07
Field Location: GP-101
Field ID No: N/A

Lab Project No: 00-0585
Lab Sample No: 2397
Sample Type: Soil
Date Sampled: 03/23/00
Date Received: 03/23/00
Date Analyzed: 03/24/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 829	Benzene	ND< 829
Bromomethane	ND< 829	Chlorobenzene	ND< 829
Bromoform	ND< 829	Ethylbenzene	21,500
Carbon tetrachloride	ND< 829	Toluene	15,900
Chloroethane	ND< 829	m,p - Xylene	87,200
Chloromethane	ND< 829	o - Xylene	36,400
2-Chloroethyl vinyl ether	ND< 829	Styrene	ND< 829
Chloroform	ND< 829		
Dibromochloromethane	ND< 829		
1,1-Dichloroethane	ND< 829		
1,2-Dichloroethane	ND< 829		
1,1-Dichloroethene	ND< 829		
trans-1,2-Dichloroethene	ND< 829	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 829	Acetone	ND< 3,320
cis-1,3-Dichloropropene	ND< 829	Vinyl acetate	ND< 1,660
trans-1,3-Dichloropropene	ND< 829	2-Butanone	ND< 1,660
Methylene chloride	ND< 2,070	4-Methyl-2-pentanone	ND< 1,660
1,1,2,2-Tetrachloroethane	ND< 829	2-Hexanone	ND< 1,660
Tetrachloroethene	ND< 829	Carbon disulfide	ND< 1,660
1,1,1-Trichloroethane	ND< 829		
1,1,2-Trichloroethane	ND< 829		
Trichloroethene	ND< 829		
Vinyl Chloride	ND< 829		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

000585V1.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 compounds)

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2397
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07		
		Date Sampled:	03/23/00
Field Location:	GP-101	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 829
Isopropylbenzene	2,510
n-Propylbenzene	8,980
1,3,5-Trimethylbenzene	19,800
tert-Butylbenzene	ND< 829
1,2,4-Trimethylbenzene	66,000
sec-Butylbenzene	1,070
p-Isopropyltoluene	2,540
n-Butylbenzene	ND< 829
Naphthalene	19,700

Analytical Method: EPA 8260 NYS 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 Soil/Sludge

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2399
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07	**Date Sampled:**	03/23/00
Field Location:	GP-103	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/28/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromochloromethane	ND< 9.9	Benzene	ND< 9.9
Bromomethane	ND< 9.9	Bromobenzene	ND< 9.9
Carbon Tetrachloride	ND< 9.9	n-Butylbenzene	ND< 9.9
Chloroethane	ND< 9.9	sec-Butylbenzene	ND< 9.9
Chloromethane	ND< 9.9	tert-Butylbenzene	ND< 9.9
1,2-Dibromomethane	ND< 9.9	Chlorobenzene	ND< 9.9
Dibromomethane	ND< 9.9	2-Chlorotoluene	ND< 9.9
1,2-Dibromo-3-Chloropropane	ND< 9.9	4-Chlorotoluene	ND< 9.9
1,1-Dichloroethane	ND< 9.9	1,2-Dichlorobenzene	ND< 9.9
1,2- Dichloroethane	ND< 9.9	1,3-Dichlorobenzene	ND< 9.9
1,1-Dichloroethene	ND< 9.9	1,4-Dichlorobenzene	ND< 9.9
cis- 1,2-Dichloroethene	ND< 9.9	Ethyl Benzene	ND< 9.9
trans-1,2-Dichloroethene	ND< 9.9	Hexachlorobutadiene	ND< 9.9
1,2 - Dichloropropane	ND< 9.9	Isopropylbenzene	ND< 9.9
1,3-Dichloropropane	ND< 9.9	4-Isopropyltoluene	ND< 9.9
2,2-Dichloropropane	ND< 9.9	Naphthalene	ND< 9.9
1,1- Dichloropropene	ND< 9.9	n-Propylbenzene	ND< 9.9
cis-1,3-Dichloropropene	ND< 9.9	styrene	ND< 9.9
trans-1,3-Dichloropropene	ND< 9.9	Toluene	ND< 9.9
Methylene Chloride	ND< 24.7	1,2,3-Trichlorobenzene	ND< 9.9
1,1,1,2-Tetrachloroethane	ND< 9.9	1,2,4-Trichlorobenzene	ND< 9.9
1,1,2,2-Tetrachloroethane	ND< 9.9	1,2,4-Trimethylbenzene	ND< 9.9
Tetrachloroethene	ND< 9.9	1,3,5-Trimethylbenzene	ND< 9.9
1,1,1-Trichloroethane	ND< 9.9	m,p-xylene	11.0
1,1,2-Trichloroethane	ND< 9.9	o-Xylene	ND< 9.9
Trichloroethene	ND< 9.9		
Trichlorofluoromethane	ND< 9.9		
1,2,3-Trichloropropane	ND< 9.9		
Vinyl Chloride	ND< 9.9		
Bromodichloromethane	ND< 9.9		
Bromoform	ND< 9.9		
Chloroform	ND< 9.9		
Dibromochloromethane	ND< 9.9		

Analytical Method: EPA 8021

NYS ELAP No.: 10958

Approved By: _____
Laboratory Director

Notes: ND denotes Not Detected

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Laboratory Analysis Report For Soil/Sludge

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2400
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07	**Date Sampled:**	03/23/00
Field Location:	GP-104	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/28/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromochloromethane	ND< 10.4	Benzene	123.9
Bromomethane	ND< 10.4	Bromobenzene	ND< 10.4
Carbon Tetrachloride	ND< 10.4	n-Butylbenzene	ND< 10.4
Chloroethane	ND< 10.4	sec-Butylbenzene	ND< 10.4
Chloromethane	ND< 10.4	tert-Butylbenzene	ND< 10.4
1,2-Dibromomethane	ND< 10.4	Chlorobenzene	ND< 10.4
Dibromomethane	ND< 10.4	2-Chlorotoluene	ND< 10.4
1,2-Dibromo-3-Chloropropane	ND< 10.4	4-Chlorotoluene	ND< 10.4
1,1-Dichloroethane	ND< 10.4	1,2-Dichlorobenzene	ND< 10.4
1,2- Dichloroethane	ND< 10.4	1,3-Dichlorobenzene	ND< 10.4
1,1-Dichloroethene	ND< 10.4	1,4-Dichlorobenzene	ND< 10.4
cis- 1,2-Dichloroethene	ND< 10.4	Ethyl Benzene	215.6
trans-1,2-Dichloroethene	ND< 10.4	Hexachlorobutadiene	ND< 10.4
1,2 - Dichloropropane	ND< 10.4	Isopropylbenzene	ND< 10.4
1,3-Dichloropropane	ND< 10.4	4-Isopropyltoluene	ND< 10.4
2,2-Dichloropropane	ND< 10.4	Naphthalene	ND< 10.4
1,1- Dichloropropene	ND< 10.4	n-Propylbenzene	ND< 10.4
cis-1,3-Dichloropropene	ND< 10.4	styrene	ND< 10.4
trans-1,3-Dichloropropene	ND< 10.4	Toluene	ND< 10.4
Methylene Chloride	ND< 25.9	1,2,3-Trichlorobenzene	ND< 10.4
1,1,1,2-Tetrachloroethane	ND< 10.4	1,2,4-Trichlorobenzene	ND< 10.4
1,1,2,2-Tetrachloroethane	ND< 10.4	1,2,4-Trimethylbenzene	50.0
Tetrachloroethene	ND< 10.4	1,3,5-Trimethylbenzene	19.1
1,1,1-Trichloroethane	ND< 10.4	m,p-xylene	251.9
1,1,2-Trichloroethane	ND< 10.4	o-Xylene	ND< 10.4
Trichloroethene	ND< 10.4		
Trichlorofluoromethane	ND< 10.4		
1,2,3-Trichloropropane	ND< 10.4		
Vinyl Chloride	ND< 10.4		
Bromodichloromethane	ND< 10.4		
Bromoform	ND< 10.4		
Chloroform	ND< 10.4		
Dibromochloromethane	ND< 10.4		

Analytical Method: EPA 8021

NYS ELAP No.: 10958

Approved By: _____
Laboratory Director

Notes: ND denotes Not Detected

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 Group
Client Job Site: Exchange St.
Client Job No: 15155.07
Field Location: GP-106
Field ID No: N/A

Lab Project No: 00-0585
Lab Sample No: 2402
Sample Type: Soil
Date Sampled: 03/23/00
Date Received: 03/23/00
Date Analyzed: 03/24/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 880	Benzene	ND< 880
Bromomethane	ND< 880	Chlorobenzene	ND< 880
Bromoform	ND< 880	Ethylbenzene	3,120
Carbon tetrachloride	ND< 880	Toluene	ND< 880
Chloroethane	ND< 880	m,p - Xylene	13,300
Chloromethane	ND< 880	o - Xylene	4,350
2-Chloroethyl vinyl ether	ND< 880	Styrene	ND< 880
Chloroform	ND< 880		
Dibromochloromethane	ND< 880		
1,1-Dichloroethane	ND< 880		
1,2-Dichloroethane	ND< 880		
1,1-Dichloroethene	ND< 880		
trans-1,2-Dichloroethene	ND< 880	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 880	Acetone	ND< 3,520
cis-1,3-Dichloropropene	ND< 880	Vinyl acetate	ND< 1,760
trans-1,3-Dichloropropene	ND< 880	2-Butanone	ND< 1,760
Methylene chloride	ND< 2,200	4-Methyl-2-pentanone	ND< 1,760
1,1,2,2-Tetrachloroethane	ND< 880	2-Hexanone	ND< 1,760
Tetrachloroethene	ND< 880	Carbon disulfide	ND< 1,760
1,1,1-Trichloroethane	ND< 880		
1,1,2-Trichloroethane	ND< 880		
Trichloroethene	ND< 880		
Vinyl Chloride	ND< 880		

Analytical Method: EPA 8260 ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

000585V6.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Soil/Sludge

(Additional 8260 compounds)

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2402
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07		
		Date Sampled:	03/23/00
Field Location:	GP-106	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/24/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 880
Isopropylbenzene	ND< 880
n-Propylbenzene	1,790
1,3,5-Trimethylbenzene	4,630
tert-Butylbenzene	ND< 880
1,2,4-Trimethylbenzene	11,900
sec-Butylbenzene	ND< 880
p-Isopropyltoluene	ND< 880
n-Butylbenzene	ND< 880
Naphthalene	ND< 4400

Analytical Method: EPA 8260 NYS 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 Soil/Sludge

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2403
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07	**Date Sampled:**	03/23/00
Field Location:	GP-107	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/28/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromochloromethane	ND< 76.8	Benzene	ND< 76.8
Bromomethane	ND< 76.8	Bromobenzene	ND< 76.8
Carbon Tetrachloride	ND< 76.8	n-Butylbenzene	ND< 76.8
Chloroethane	ND< 76.8	sec-Butylbenzene	313.8
Chloromethane	ND< 76.8	tert-Butylbenzene	ND< 76.8
1,2-Dibromomethane	ND< 76.8	Chlorobenzene	ND< 76.8
Dibromomethane	ND< 76.8	2-Chlorotoluene	ND< 76.8
1,2-Dibromo-3-Chloropropane	ND< 76.8	4-Chlorotoluene	ND< 76.8
1,1-Dichloroethane	ND< 76.8	1,2-Dichlorobenzene	ND< 76.8
1,2- Dichloroethane	ND< 76.8	1,3-Dichlorobenzene	ND< 76.8
1,1-Dichloroethene	ND< 76.8	1,4-Dichlorobenzene	ND< 76.8
cis- 1,2-Dichloroethene	ND< 76.8	Ethyl Benzene	2177.0
trans-1,2-Dichloroethene	ND< 76.8	Hexachlorobutadiene	ND< 76.8
1,2 - Dichloropropane	ND< 76.8	Isopropylbenzene	662.8
1,3-Dichloropropane	ND< 76.8	4-Isopropyltoluene	703.4
2,2-Dichloropropane	ND< 76.8	Naphthalene	2580.5
1,1- Dichloropropene	ND< 76.8	n-Propylbenzene	2505.2
cis-1,3-Dichloropropene	ND< 76.8	styrene	ND< 76.8
trans-1,3-Dichloropropene	ND< 76.8	Toluene	ND< 76.8
Methylene Chloride	ND< 192.0	1,2,3-Trichlorobenzene	ND< 76.8
1,1,1,2-Tetrachloroethane	ND< 76.8	1,2,4-Trichlorobenzene	ND< 76.8
1,1,2,2-Tetrachloroethane	ND< 76.8	1,2,4-Trimethylbenzene	12791.0 E
Tetrachloroethene	ND< 76.8	1,3,5-Trimethylbenzene	3158.0
1,1,1-Trichloroethane	ND< 76.8	m,p-xylene	7716.2
1,1,2-Trichloroethane	ND< 76.8	o-Xylene	2351.6
Trichloroethene	ND< 76.8		
Trichlorofluoromethane	ND< 76.8		
1,2,3-Trichloropropane	ND< 76.8		
Vinyl Chloride	ND< 76.8		
Bromodichloromethane	ND< 76.8		
Bromoform	ND< 76.8		
Chloroform	ND< 76.8		
Dibromochloromethane	ND< 76.8		

Analytical Method: EPA 8021

NYS ELAP No.: 10958

Approved By: _____
Laboratory Director

Notes: ND denotes Not Detected
E = estimated value

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Volatile Laboratory Analysis Report For Soil/Sludge

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2404
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07	**Date Sampled:**	03/23/00
Field Location:	GP-108	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/28/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromochloromethane	ND< 18.6	Benzene	126.8
Bromomethane	ND< 18.6	Bromobenzene	ND< 18.6
Carbon Tetrachloride	ND< 18.6	n-Butylbenzene	ND< 18.6
Chloroethane	ND< 18.6	sec-Butylbenzene	ND< 18.6
Chloromethane	ND< 18.6	tert-Butylbenzene	ND< 18.6
1,2-Dibromomethane	ND< 18.6	Chlorobenzene	ND< 18.6
Dibromomethane	ND< 18.6	2-Chlorotoluene	ND< 18.6
1,2-Dibromo-3-Chloropropane	ND< 18.6	4-Chlorotoluene	ND< 18.6
1,1-Dichloroethane	ND< 18.6	1,2-Dichlorobenzene	ND< 18.6
1,2- Dichloroethane	ND< 18.6	1,3-Dichlorobenzene	ND< 18.6
1,1-Dichloroethene	ND< 18.6	1,4-Dichlorobenzene	ND< 18.6
cis- 1,2-Dichloroethene	ND< 18.6	Ethyl Benzene	56.3
trans-1,2-Dichloroethene	ND< 18.6	Hexachlorobutadiene	ND< 18.6
1,2 - Dichloropropane	ND< 18.6	Isopropylbenzene	309.6
1,3-Dichloropropane	ND< 18.6	4-Isopropyltoluene	ND< 18.6
2,2-Dichloropropane	ND< 18.6	Naphthalene	615.3
1,1- Dichloropropene	ND< 18.6	n-Propylbenzene	705.6
cis-1,3-Dichloropropene	ND< 18.6	styrene	ND< 18.6
trans-1,3-Dichloropropene	ND< 18.6	Toluene	ND< 18.6
Methylene Chloride	ND< 46.4	1,2,3-Trichlorobenzene	ND< 18.6
1,1,1,2-Tetrachloroethane	ND< 18.6	1,2,4-Trichlorobenzene	ND< 18.6
1,1,2,2-Tetrachloroethane	ND< 18.6	1,2,4-Trimethylbenzene	319.1
Tetrachloroethene	ND< 18.6	1,3,5-Trimethylbenzene	29.4
1,1,1-Trichloroethane	ND< 18.6	m,p-xylene	107.1
1,1,2-Trichloroethane	ND< 18.6	o-Xylene	38.0
Trichloroethene	ND< 18.6		
Trichlorofluoromethane	ND< 18.6		
1,2,3-Trichloropropane	ND< 18.6		
Vinyl Chloride	ND< 18.6		
Bromodichloromethane	ND< 18.6		
Bromoform	ND< 18.6		
Chloroform	ND< 18.6		
Dibromochloromethane	ND< 18.6		

Analytical Method: EPA 8021

NYS ELAP No.: 10958

Approved By: _____
Laboratory Director

Notes: ND denotes Not Detected

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Volatile Laboratory Analysis Report For Soil/Sludge

Client:	Sear - Brown Group	**Lab Project No.:**	00-0585
		Lab Sample No.:	2405
Client Job Site:	Exchange St.		
		Sample Type:	Soil
Client Job No.:	15155.07	**Date Sampled:**	03/23/00
Field Location:	GP-109	**Date Received:**	03/23/00
Field ID No.:	N/A	**Date Analyzed:**	03/28/00

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromochloromethane	ND< 10.9	Benzene	ND< 10.9
Bromomethane	ND< 10.9	Bromobenzene	ND< 10.9
Carbon Tetrachloride	ND< 10.9	n-Butylbenzene	ND< 10.9
Chloroethane	ND< 10.9	sec-Butylbenzene	ND< 10.9
Chloromethane	ND< 10.9	tert-Butylbenzene	ND< 10.9
1,2-Dibromomethane	ND< 10.9	Chlorobenzene	ND< 10.9
Dibromomethane	ND< 10.9	2-Chlorotoluene	ND< 10.9
1,2-Dibromo-3-Chloropropane	ND< 10.9	4-Chlorotoluene	ND< 10.9
1,1-Dichloroethane	ND< 10.9	1,2-Dichlorobenzene	ND< 10.9
1,2- Dichloroethane	ND< 10.9	1,3-Dichlorobenzene	ND< 10.9
,1-Dichloroethene	ND< 10.9	1,4-Dichlorobenzene	ND< 10.9
cis- 1,2-Dichloroethene	ND< 10.9	Ethyl Benzene	ND< 10.9
trans-1,2-Dichloroethene	ND< 10.9	Hexachlorobutadiene	ND< 10.9
1,2 - Dichloropropane	ND< 10.9	Isopropylbenzene	ND< 10.9
1,3-Dichloropropane	ND< 10.9	4-Isopropyltoluene	ND< 10.9
2,2-Dichloropropane	ND< 10.9	Naphthalene	15.3
1,1- Dichloropropene	ND< 10.9	n-Propylbenzene	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9	styrene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9	Toluene	ND< 10.9
Methylene Chloride	ND< 27.3	1,2,3-Trichlorobenzene	ND< 10.9
1,1,1,2-Tetrachloroethane	ND< 10.9	1,2,4-Trichlorobenzene	ND< 10.9
1,1,2,2-Tetrachloroethane	ND< 10.9	1,2,4-Trimethylbenzene	ND< 10.9
Tetrachloroethene	ND< 10.9	1,3,5-Trimethylbenzene	ND< 10.9
1,1,1-Trichloroethane	ND< 10.9	m,p-xylene	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9	o-Xylene	ND< 10.9
Trichloroethene	ND< 10.9		
Trichlorofluoromethane	ND< 10.9		
1,2,3-Trichloropropane	ND< 10.9		
Vinyl Chloride	ND< 10.9		
Bromodichloromethane	ND< 10.9		
Bromoform	ND< 10.9		
Chloroform	ND< 10.9		
Dibromochloromethane	ND< 10.9		

Analytical Method: EPA 8021

NYS ELAP No.: 10958

Approved By: _____
Laboratory Director

Notes: ND denotes Not Detected

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Volatile Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0655
		Lab Sample No.:	2603
Client Job Site:	15155.07		
		Sample Type:	Soil
Client Job No.:	15155.07		
		Date Sampled:	03/27/00
Field Location:	MW-3 (12'-13.4')	**Date Received:**	03/31/00
Field ID No.:	N/A	**Date Analyzed:**	04/05/00

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-butyl Ether	ND< 11.1
Benzene	ND< 11.1
Toluene	ND< 11.1
Ethylbenzene	ND< 11.1
m,p-Xylene	ND< 11.1
o-Xylene	ND< 11.1
Isopropylbenzene	ND< 11.1
n-Propylbenzene	ND< 11.1
1,3,5-Trimethylbenzene	ND< 11.1
tert-Butylbenzene	ND< 11.1
1,2,4-Trimethylbenzene	ND< 11.1
sec-Butylbenzene	ND< 11.1
p-Isopropyltoluene	ND< 11.1
n-Butylbenzene	ND< 11.1
Naphthalene	ND< 55.5

Analytical Method: EPA 8021 NYS 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:	The Sear-Brown Group	**Lab Project No:**	98-1909
		Lab Sample No:	6720
Client Job Site:	Exchange Street		
		Sample Type:	Soil
Client Job No:	15155.02		
		Date Sampled:	10/17/98
Field Location:	B-4	**Date Received:**	10/20/98
Field ID No:	13-14'	**Date Analyzed:**	10/21/98

VOLATILE HALOCARBONS	RESULTS (ug/Kg)	VOLATILE AROMATICS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 7184	Benzene	ND< 7184
Bromomethane	ND< 7184	Chlorobenzene	ND< 7184
Bromoform	ND< 7184	Ethylbenzene	201665
Carbon tetrachloride	ND< 7184	Toluene	199525
Chloroethane	ND< 7184	m,p - Xylene	818979
Chloromethane	ND< 7184	o - Xylene	351006
2-Chloroethyl vinyl ether	ND< 7184	Styrene	ND< 7184
Chloroform	ND< 7184		
Dibromochloromethane	ND< 7184		
1,1-Dichloroethane	ND< 7184		
1,2-Dichloroethane	ND< 7184		
1,1-Dichloroethene	ND< 7184		
trans-1,2-Dichloroethene	ND< 7184	**Ketones & Misc.**	
1,2-Dichloropropane	ND< 7184	Acetone	ND< 28736
cis-1,3-Dichloropropene	ND< 7184	Vinyl acetate	ND< 14368
trans-1,3-Dichloropropen	ND< 7184	2-Butanone	ND< 14368
Methylene chloride	ND< 17960	4-Methyl-2-pentanone	ND< 14368
1,1,2,2-Tetrachloroethan	ND< 7184	2-Hexanone	ND< 14368
Tetrachloroethene	ND< 7184	Carbon disulfide	ND< 14368
1,1,1-Trichloroethane	ND< 7184		
1,1,2-Trichloroethane	ND< 7184		
Trichloroethene	ND< 7184		
Vinyl Chloride	ND< 7184		

Analytical Method: EPA 8260B ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
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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:**	98-1909
		Lab Sample No:	6721
Client Job Site:	Exchange Street		
		Sample Type:	Soil
Client Job No:	15155.02		
		Date Sampled:	10/17/98
Field Location:	B-5	**Date Received:**	10/20/98
Field ID No:	13-14'	**Date Analyzed:**	10/20/98

VOLATILE HALOCARBONS	RESULTS (ug/Kg)
Bromodichloromethane	ND< 614
Bromomethane	ND< 614
Bromoform	ND< 614
Carbon tetrachloride	ND< 614
Chloroethane	ND< 614
Chloromethane	ND< 614
2-Chloroethyl vinyl ether	ND< 614
Chloroform	ND< 614
Dibromochloromethane	ND< 614
1,1-Dichloroethane	ND< 614
1,2-Dichloroethane	ND< 614
1,1-Dichloroethene	ND< 614
trans-1,2-Dichloroethene	ND< 614
1,2-Dichloropropane	ND< 614
cis-1,3-Dichloropropene	ND< 614
trans-1,3-Dichloropropen	ND< 614
Methylene chloride	ND< 1536
1,1,2,2-Tetrachloroethan	ND< 614
Tetrachloroethene	ND< 614
1,1,1-Trichloroethane	ND< 614
1,1,2-Trichloroethane	ND< 614
Trichloroethene	ND< 614
Vinyl Chloride	ND< 614

VOLATILE AROMATICS	RESULTS (ug/Kg)
Benzene	ND< 614
Chlorobenzene	ND< 614
Ethylbenzene	1581
Toluene	1156
m,p - Xylene	7335
o - Xylene	2494
Styrene	ND< 614
Ketones & Misc.	
Acetone	ND< 2457
Vinyl acetate	ND< 1228
2-Butanone	ND< 1228
4-Methyl-2-pentanone	ND< 1228
2-Hexanone	ND< 1228
Carbon disulfide	ND< 1228

Analytical Method: EPA 8260B

ELAP ID No: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

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Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group
Client Job Site: Exchange Street
Client Job No.: 15155.02
Field Location: B-6
Field ID No.: 9-11'

Lab Project No.: 98-1909
Lab Sample No.: 6722
Sample Type: Soil
Date Sampled: 10/17/98
Date Received: 10/20/98
Date Analyzed: 10/20/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND < 6.6
Benzene	ND < 6.6
Toluene	ND < 6.6
Ethylbenzene	6.9
m,p-Xylene	68.5
o-Xylene	8.9
Isopropylbenzene	ND < 6.6
n-Propylbenzene	ND < 6.6
1,3,5-Trimethylbenzene	ND < 6.6
tert-Butylbenzene	ND < 6.6
1,2,4-Trimethylbenzene	ND < 6.6
sec-Butylbenzene	ND < 6.6
p-Isopropyltoluene	ND < 6.6
n-Butylbenzene	ND < 6.6
Naphthalene	ND < 16.5

Analytical Method: EPA 8021 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

981909V1.XLS

HISTORICAL DETECTED VOC ANALYTICAL RESULTS FOR GROUNDWATER

180-182 EXCHANGE STREET
ROCHESTER, NEW YORK

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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.:**	00-0704
Client Job Site:	Exchange Street	**Lab Sample No.:**	2757
Client Job No.:	15515-07	**Sample Type:**	Water
Field Location:	GW-15515-0400-DG-01	**Date Sampled:**	04/06/00
		Date Received:	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/13/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 20.0	Benzene	339
Bromomethane	ND< 20.0	Chlorobenzene	ND< 20.0
Bromoform	ND< 20.0	Ethylbenzene	ND< 20.0
Carbon tetrachloride	ND< 20.0	Toluene	46.5
Chloroethane	ND< 20.0	m,p - Xylene	70.9
Chloromethane	ND< 20.0	o - Xylene	356
2-Chloroethyl vinyl ether	ND< 20.0	Styrene	ND< 20.0
Chloroform	ND< 20.0		
Dibromochloromethane	ND< 20.0		
1,1-Dichloroethane	ND< 20.0		
1,2-Dichloroethane	ND< 20.0		
1,1-Dichloroethene	ND< 20.0		
trans-1,2-Dichloroethene	ND< 20.0		
1,2-Dichloropropane	ND< 20.0		
cis-1,3-Dichloropropene	ND< 20.0	**Ketones**	
trans-1,3-Dichloropropene	ND< 20.0	Acetone	ND< 100
Methylene chloride	ND< 50.0	Vinyl acetate	ND< 50.0
1,1,2,2-Tetrachloroethane	ND< 20.0	2-Butanone	ND< 50.0
Tetrachloroethene	ND< 20.0	4-Methyl-2-pentanone	ND< 50.0
1,1,1-Trichloroethane	ND< 20.0	2-Hexanone	ND< 50.0
1,1,2-Trichloroethane	ND< 20.0		
Trichloroethene	ND< 20.0	Carbon disulfide	ND< 20.0
Vinyl Chloride	ND< 20.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

000704V1.XLS

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

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client: The Sear-Brown Group
Client Job Site: Exchange Street
Client Job No.: 15515-07
Field Location: GW-15515-0400-DG-01
Field ID No.: N/A

Lab Project No.: 00-0704
Lab Sample No.: 2757
Sample Type: Water
Date Sampled: 04/06/00
Date Received: 04/06/00
Date Analyzed: 04/13/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 20.0
Isopropylbenzene	ND< 20.0
n-Propylbenzene	ND< 20.0
1,3,5-Trimethylbenzene	193
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	199
sec-Butylbenzene	ND< 20.0
p-Isopropyltoluene	43.0
n-Butylbenzene	ND< 20.0
Naphthalene	ND< 50.0

Analytical Method: EPA 8260 NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

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Volatile Laboratory Analysis Report For Non-Potable Water

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
Client Job Site:	Exchange Street	**Lab Sample No.:**	2758
Client Job No.:	15515-07	**Sample Type:**	Water
Field Location:	GW-15515-0400-DG-02	**Date Sampled:**	04/06/00
		Date Received:	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 100	Benzene	303
Bromomethane	ND< 100	Chlorobenzene	ND< 100
Bromoform	ND< 100	Ethylbenzene	1,370
Carbon tetrachloride	ND< 100	Toluene	5,750
Chloroethane	ND< 100	m,p - Xylene	4,900
Chloromethane	ND< 100	o - Xylene	2,310
2-Chloroethyl vinyl ether	ND< 100	Styrene	ND< 100
Chloroform	ND< 100		
Dibromochloromethane	ND< 100		
1,1-Dichloroethane	ND< 100		
1,2-Dichloroethane	ND< 100		
1,1-Dichloroethene	ND< 100		
trans-1,2-Dichloroethene	ND< 100		
1,2-Dichloropropane	ND< 100		
cis-1,3-Dichloropropene	ND< 100	**Ketones**	
trans-1,3-Dichloropropene	ND< 100	Acetone	ND< 500
Methylene chloride	ND< 250	Vinyl acetate	ND< 250
1,1,2,2-Tetrachloroethane	ND< 100	2-Butanone	ND< 250
Tetrachloroethene	ND< 100	4-Methyl-2-pentanone	ND< 250
1,1,1-Trichloroethane	ND< 100	2-Hexanone	ND< 250
1,1,2-Trichloroethane	ND< 100		
Trichloroethene	ND< 100	Carbon disulfide	ND< 100
Vinyl Chloride	ND< 100		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

000704V2.XLS

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

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
		Lab Sample No.:	2758
Client Job Site:	Exchange Street		
		Sample Type:	Water
Client Job No.:	15515-07		
		Date Sampled:	04/06/00
Field Location:	GW-15515-0400-DG-02	**Date Received:**	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/13/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 20.0
Isopropylbenzene	99.0
n-Propylbenzene	194
1,3,5-Trimethylbenzene	451
tert-Butylbenzene	ND< 20.0
1,2,4-Trimethylbenzene	1,800
sec-Butylbenzene	ND< 20.0
p-Isopropyltoluene	42.2
n-Butylbenzene	ND< 20.0
Naphthalene	302

Analytical Method: EPA 8260 NYS 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 Laboratory Analysis Report For Non-Potable Water

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
Client Job Site:	Exchange Street	**Lab Sample No.:**	2759
Client Job No.:	15515-07	**Sample Type:**	Water
Field Location:	GW-15515-0400-DG-03	**Date Sampled:**	04/06/00
		Date Received:	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	ND< 0.700
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		
Dibromochloromethane	ND< 2.00		
1,1-Dichloroethane	ND< 2.00		
1,2-Dichloroethane	ND< 2.00		
1,1-Dichloroethene	ND< 2.00		
trans-1,2-Dichloroethene	ND< 2.00		
1,2-Dichloropropane	ND< 2.00		
cis-1,3-Dichloropropene	ND< 2.00	**Ketones**	
trans-1,3-Dichloropropene	ND< 2.00	Acetone	ND< 10.0
Methylene chloride	ND< 5.00	Vinyl acetate	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00	2-Butanone	ND< 5.00
Tetrachloroethene	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
1,1,1-Trichloroethane	ND< 2.00	2-Hexanone	ND< 5.00
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00	Carbon disulfide	ND< 2.00
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

000704V3.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
		Lab Sample No.:	2759
Client Job Site:	Exchange Street		
		Sample Type:	Water
Client Job No.:	15515-07		
		Date Sampled:	04/06/00
Field Location:	GW-15515-0400-DG-03	**Date Received:**	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	ND< 2.00
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS 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:	The Sear-Brown Group	**Lab Project No.:**	00-0704
Client Job Site:	Exchange Street	**Lab Sample No.:**	2760
Client Job No.:	15515-07	**Sample Type:**	Water
Field Location:	GW-15515-0400-DG-04	**Date Sampled:**	04/06/00
		Date Received:	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/14/00

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.00	Benzene	1.30
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	5.31
Chloromethane	ND< 2.00	o - Xylene	7.74
2-Chloroethyl vinyl ether	ND< 2.00	Styrene	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		
trans-1,2-Dichloroethene	ND< 2.00		
1,2-Dichloropropane	ND< 2.00		
cis-1,3-Dichloropropene	ND< 2.00	**Ketones**	
trans-1,3-Dichloropropene	ND< 2.00	Acetone	ND< 10.0
Methylene chloride	ND< 5.00	Vinyl acetate	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00	2-Butanone	ND< 5.00
Tetrachloroethene	ND< 2.00	4-Methyl-2-pentanone	ND< 5.00
1,1,1-Trichloroethane	ND< 2.00	2-Hexanone	ND< 5.00
1,1,2-Trichloroethane	ND< 2.00		
Trichloroethene	ND< 2.00	Carbon disulfide	ND< 2.00
Vinyl Chloride	ND< 2.00		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

000704V4.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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

Volatile Aromatic Analysis Report For Non-Potable Water
(Additional EPA 8260 Compounds)

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
		Lab Sample No.:	2760
Client Job Site:	Exchange Street		
		Sample Type:	Water
Client Job No.:	15515-07		
		Date Sampled:	04/06/00
Field Location:	GW-15515-0400-DG-04	**Date Received:**	04/06/00
Field ID No.:	N/A	**Date Analyzed:**	04/14/00

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.00
Isopropylbenzene	ND< 2.00
n-Propylbenzene	ND< 2.00
1,3,5-Trimethylbenzene	22.4
tert-Butylbenzene	ND< 2.00
1,2,4-Trimethylbenzene	158
sec-Butylbenzene	ND< 2.00
p-Isopropyltoluene	3.30
n-Butylbenzene	ND< 2.00
Naphthalene	ND< 5.00

Analytical Method: EPA 8260 NYS 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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
		Lab Sample No.:	2757
Client Job Site:	Exchange Street		
		Sample Type:	Water
Client Job No.:	15515-07		
		Date Sampled:	04/06/2000
Field Location:	GW-15515-0400-DG-01	**Date Received:**	04/06/2000
Field ID No:	N/A	**Date Analyzed:**	04/13/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC as Gasoline	752	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 000704S1.XLS

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

Laboratory Analysis For Petroleum Hydrocarbons in Water

Client:	The Sear-Brown Group	**Lab Project No.:**	00-0704
		Lab Sample No.:	2758
Client Job Site:	Exchange Street		
		Sample Type:	Water
Client Job No.:	15515-07		
		Date Sampled:	04/06/2000
Field Location:	GW-15515-0400-DG-02	**Date Received:**	04/06/2000
Field ID No:	N/A	**Date Analyzed:**	04/13/2000

Petroleum Hydrocarbon	Result (ug/L)	Reporting Limit (ug/L)
Light Weight PHC as Gasoline	5,480	250

N.Y.D.O.H. Analytical Method: 310.13 ELAP ID No.: 10958

Comments: BDL denotes Below Detection Limit

Approved By: _____
Laboratory Director

File ID: 000704S2.XLS