

Report

Former Howard Warehouse-Vacant Land- No Further Action Report

Prepared for: Racer Trust

Conestoga-Rovers & Associates

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Waterloo, Ontario N2V 1C2

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Section 1.0 Introduction

This report was prepared as the No Further Action (NFA) Report for a non-residential closure for the Former Howard Warehouse – Vacant Land (Site) located at 700 Garey Street in Saginaw, Michigan. The Site is located directly south of the Garey Street and Howard Street intersection in Saginaw, Michigan as presented on Figure 1.1. This NFA Report presents information from the previous environmental investigations and remedial activities performed at the Site. The Site is currently owned by Revitalizing Auto Communities Environmental Response Trust (RACER). The Site is currently vacant.

Appendix A presents the executed Request for DEQ Review of No Further Action (NFA) Report. In addition, the required attachments (Environmental Professionals Affidavit [Appendix A2], Environmental Professional Resume [Appendix A3], Environmental Professional Certificate of Insurance [Appendix A4], and Submitter's Affidavit [Appendix A5]) are also presented in Appendix A.

An Investigation Summary and Proposed Site Closure plan was submitted to MDEQ on October 13, 2011 to remove lead impacted soils, which exceeded Non-Residential Direct Contact criteria. The proposed closure plan was conditionally approved by the MDEQ in a letter dated December 1, 2011. The condition on the approval was the requirement for additional soil investigation to vertically delineate trichloroethene found in soils to verify deeper soil conditions. The trichloroethene soil investigation was conducted in March 2012 and the soil removal was conducted in April 2012. A summary of the investigation results and soil removal activities was presented in an email to MDEQ on April 23, 2012 (Appendix B).

This NFA Report presents the required information to support closure of the Site under the Non-Residential category. This NFA Report demonstrates that the environmental conditions, which exist at the Site are consistent with the criteria required to meet a Restricted (limited) Non-Residential NFA category.

Section 2.0 Background

The Site is located directly south of the Garey Street and Howard Street intersection in Saginaw, Michigan (700 Garey Street). A Site Plan is presented on Figure 2.1. The Site is approximately 3.8 acres in size and is currently vacant with grass cover and some trees along the southeastern Site boundary. The Site is bordered by railroad tracks to the south, vacated Owen Street to the west, Garey Street to the north, and Brown Street to the east. Land use to the west and south is industrial/commercial and land use to the north and east is residential.

The Site's first known development was between 1915 and 1935 by Nelson Brothers Company, a manufacturer of gasoline engines. The Site was occupied by Palace Corporation in 1950, and then functioned as a warehouse utilized by Sears Roebuck & Co. The Site was acquired by General Motors Corporation (GMC), in 1979 and it is believed that it was utilized as a warehouse until 1984, the year that the demolition Purchase Order is dated. The buildings and foundations were removed as part of the demolition process in 1988.

On June 1, 2009, GMC filed for Chapter 11 protection under U.S. Bankruptcy Code. On July 10, 2009 GMC was renamed Motors Liquidation Company (MLC). On the same day portions of the operating assets of MLC were sold to a newly formed company "General Motors Company". General Motors Company changed its name to General Motors LLC (GM LLC) on October 16, 2009. Assets not sold to GM LLC remained the property of the MLC, in its capacity as debtor-in-possession in the bankruptcy case. On March 31, 2011 the environmental remediation of the Sites was transferred from MLC to RACER Trust. Ownership of this and other MLC properties in Michigan was transferred to RACER Properties LLC, a wholly owned subsidiary of RACER Trust.

Section 3.0 Summary of Previous Investigations

The following sections summarize the previous investigations that have been conducted at the Site.

3.1 Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) was completed in accordance with ASTM Standard E 1527-00 by CRA in September 2006 and submitted to GM. The assessment included an environmental database search, historical records review, a Site inspection of accessible areas, a review of relevant Site records made available to CRA, and interviews with individuals associated with the Site. No exceptions to ASTM E1527-00 were taken during this Phase I ESA.

The Phase I ESA identified 23 "recognized environmental conditions" (RECs), that were present at the Site including: former underground storage tanks (USTs), former aboveground storage tanks (ASTs), former gasoline engine operations, former outside material storage, potential subsurface demolition debris, and adjacent historical dry cleaning operations. Based on the Phase I ESA assessment, a Scope of Work was developed for the Phase II ESA.

3.2 Phase II Soil Investigation

Four sampling events have been completed, to date, as part of the Phase II Soil Investigation; December 2006, February 2007, September 2007, and November 2008. A total of 104 soil borings were advanced, with 50 borings advanced to a depth of 2 feet below ground surface (bgs), seven borings advanced to a depth of 4 feet bgs, 43 borings advanced to a depth of 5 feet bgs, and seven borings advanced to a depth of 10 feet bgs.

The Site is underlain by a continuous extensive layer of clay typically encountered at depths ranging from 1 to 3.5 feet bgs and extending at least as deep as the deepest boring at 10 feet bgs. Appendix C presents the soil boring logs. In addition to grid sampling across the Site, soil borings were advanced at each of the 23 RECs, at the three former doorways, one at the former loading area, and three at the vicinity of former tanks. Figure 3.1 presents the investigative locations. No groundwater was encountered during drilling operations; therefore, no groundwater samples were collected. In the two initial rounds of sampling (December 2006 and February 2007), samples were collected and analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL Semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, and polychlorinated biphenyls (PCBs). The final two rounds of sampling (September 2007 and November 2008) were conducted to delineate previous exceedances of screening criteria and were analyzed for arsenic, total chromium, lead, benzo(a)pyrene, and trichloroethene.

3.2.1 Screening Criteria

CRA compared the detected concentrations to the following generic cleanup criteria and screening levels developed by the State of Michigan under Part 201 of the Natural Resources and Environmental Protection Act 451 (NREPA) – December 2013:

- Residential/Non-Residential - Statewide Default Background Levels
- Non-Residential – Ambient Air – Finite VSIC-2m Source Thickness
- Non-Residential – Ambient Air – Finite VSIC-5m Source Thickness
- Non-Residential – Ambient Air – infinite source VSIC
- Non-Residential - Direct Contact
- Non-Residential/Groundwater – Drinking Water Protection
- Non-Residential – Soil Volatilization to Indoor Air Inhalation
- Non-Residential – Ambient Air – Particulate Soil Inhalation

In addition, the metals data were compared with the background levels presented in the report entitled Michigan Background Soil Survey 2005.

3.2.2 Soil Sample Results

The following presents the results of the comparison to the screening criteria for those parameters that exceeded criteria:

Arsenic

The results of the soil samples collected as part of the Phase II activities indicated that arsenic exceeded Non-Residential - Drinking Water Protection criteria (4.6 milligrams per kilogram [mg/kg]) at seven locations ranging in concentration from 5.9 mg/kg to 15.5 mg/kg. The results are summarized on Figure 3.2.

Total Chromium

The results of soil samples collected as part of the Phase II activities indicated that total chromium exceeded Non-Residential - Drinking Water Protection criteria (30 mg/kg) at six locations ranging in concentration from 33.8 mg/kg to 56 mg/kg. The results are summarized on Figure 3.3.

Lead

The results of soil samples collected as part of the Phase II activities indicated that lead exceeded Non-Residential - Drinking Water Protection criteria (700 mg/kg) at three locations ranging in concentration from 823 mg/kg to 5,450 mg/kg.

The results of soil samples collected as part of the Phase II activities indicated that lead exceeded Non-Residential - Direct Contact criteria (900 mg/kg) at two locations in a relatively small area at concentrations of 995/897 mg/kg and 5,450 mg/kg. The results are summarized on Figure 3.4.

Benzo(a)pyrene

The results of the soil samples collected as part of the Phase II activities indicated that benzo(a)pyrene exceeded Non-Residential - Direct Contact criteria (8 mg/kg) at two locations at concentrations of 7/8.4 mg/kg and 14 mg/kg. The results are summarized on Figure 3.5.

Trichloroethene

The results of soil samples collected as part of the Phase II activities indicated that trichloroethene exceeded Non-Residential - Drinking Water Protection criteria (0.1 mg/kg) at three locations ranging in concentration from 0.12 mg/kg to 0.52 mg/kg. The results are summarized on Figure 3.6.

3.3 Additional Trichloroethene Soil Investigation

As part of MDEQ's conditional approval, the MDEQ requested additional soil investigation to vertically delineate trichloroethene found in soils. CRA conducted the additional trichloroethene soil investigation on March 28, 2012 in accordance with the detailed scope of work submitted to MDEQ on December 14, 2011.

One borehole was advanced at each of the following locations BH12, BH15, BH16, BH32E and screened with a PID. Each location previously exceeded the Non-Residential - Drinking Water Protection criteria (0.1 mg/kg). Please note that the Non-Residential - Drinking Water Protection criteria was used purely for screening purposes and is not a relevant criteria since no groundwater was encountered during the investigation. See attached Figure 3.6 for trichloroethene results for previous investigations.

Soil samples were collected at 8 to 10 feet bgs at each location or the first 1-foot interval below 8 to 10 feet with no PID reading. A second sample was collected at each borehole at the next deeper interval and placed on hold pending the results of the first sample.

Samples were collected at the following depth intervals and submitted for analysis of VOCs:

- BH12 - 8 to 10 feet bgs and 10 to 12 feet bgs
- BH15 - 12 to 13 feet bgs and 14 to 15 feet bgs
- BH16 - 8 to 10 feet bgs and 10 to 12 feet bgs
- BH32E - 8 to 10 feet bgs and 10 to 12 feet bgs

The trichloroethene results of the first interval sampled at each location were below screening criteria with the exception of BH15 which was above the Non-Residential - Drinking Water Protection (0.1 mg/kg) at 1.0 mg/kg. Several other VOCs were detected, however, none were above the screening criteria.

As a result of the exceedance at BH15, the laboratory was directed to analyze the second deeper interval sample at BH15, previously placed on hold. The sample results for the deeper sample at BH15 were non-detect for trichloroethene. Toluene and cis-1,2 dichloroethene were detected, however, they were not above screening criteria.

3.4 Identification of Potential Compounds of Concern (PCOCs)

Based on the investigations completed, arsenic, total chromium, lead, benzo(a)pyrene, and trichloroethene are the potential compound of concern (PCOCs) at the Site. Please refer to Section 4.0 for details on how each of the parameters were addressed.

Section 4.0 No Further Action

The PCOCs identified in Section 3.4 of the NFA Report were evaluated with regard to potential migration and exposure pathways at the Site. The following paragraphs discuss how protection against migration and exposure of PCOCs has been attained at the Site.

4.1 Remedial Activities

The results of the soil investigations conducted at the Site identified lead above the Non-Residential - Direct Contact criteria. As a result, during the week of April 9, 2012, approximately 543 tons (12 truck loads) of lead impacted soil above Non-Residential Direct Contact criteria was excavated and disposed of off Site at an applicable disposal facility. Figure 4.1 presents the excavation limits. The lead impacted soil was removed to concentrations below Non-Residential Drinking Water Protection criteria as opposed to below Non-Residential Direct Contact criteria concentrations since the additional volume of soil was minimal. The soil was excavated to a depth of 2 feet bgs and extended to adjacent sample locations with concentrations below criteria. The excavated soil was disposed of as non-hazardous waste, based on waste characterization, at the Whitefeather Landfill (Republic Services). Appendix D presents a copy of the waste manifests. Clean backfill and topsoil were imported to restore the Site. Therefore, following completion of the excavation, no further work is required to address the Non-Residential – Direct Contact pathway.

4.2 Applicability of Drinking Water Protection Criteria

Soil sample results exceeded the Non-Residential - Drinking Water Protection criteria for arsenic, total chromium, lead, and trichloroethene. However, since groundwater was not encountered during the investigation and the Site is underlain by a continuous extensive clay layer, the Non-Residential - Drinking Water Protection criteria is not applicable, consistent with a discussion with the MDEQ in a meeting on September 8, 2011. The results of the vertical delineation of trichloroethene further confirmed the absence of groundwater underlying the Site and confirmed the presence of a competent clay layer below the Site. As a result, the only action warranted related to these constituents and this pathway was to prohibit the construction of wells or other devices to extract groundwater for consumption, irrigation, dewatering, or any other use, except for wells and devices that are part of a DEQ-approved

response activity, which was completed through filing the Declaration of Restrictive Covenant (DRC) (Appendix E). Furthermore, potable water is available from the City of Saginaw.

4.3 Statistical Analysis

Soil sample results exceeded the Non-Residential Direct Contact criteria for lead and benzo(a)pyrene.

The two soil samples that exceeded the Non-Residential - Direct Contact criteria for benzo(a)pyrene are marginally above the criteria, are located near roads along the perimeter of the property, and are not believed to be Site related. A statistical analysis was completed for benzo(a)pyrene for all the samples collected on Site. The 95 percent upper confidence level (UCL) for benzo(a)pyrene was calculated to be 2.6 mg/kg, which is below the Non-Residential - Direct Contact criteria of 8 mg/kg. Appendix F presents the statistical calculations. The statistical calculations were completed using software recommended by the MDEQ (Pro UCL Version 4.1) in accordance with Statistical Guidesheet #19 out of the MDEQ Sampling Strategies and Statistics Training Materials for a Part 201 cleanup criteria (2002) guidance document. Therefore, consistent with the discussion at the September 8, 2011 meeting with the MDEQ, the only action warranted to address benzo(a)pyrene impacts was prohibiting land uses of the property that are not compatible with or are inconsistent with the assumptions and basis for the non-residential cleanup criteria established pursuant to Section 20120a(1)(b) of the NREPA, which was completed through filing the DRC (Appendix E).

4.4 Property Zoning

In accordance with Section 20120a(6) of Part 201, PA 451, a property for which remedial activities are proposed must have zoning that is consistent with the proposed categorical criteria. The Site is zoned industrial as identified in the zoning map of the area provided in Appendix G.

4.5 Future Use

Consistent with the zoning for the property, the future use of the Site is intended to remain non-residential as required by the filed DRC, which prohibits land uses of the property that are not compatible with or are inconsistent with the assumptions and basis for the non-residential cleanup criteria pursuant to Section 20120a(1)(b) of the NREPA.

4.6 Attainment of Closure Criteria

In accordance with Part 201, PA 451, to obtain closure of a site the PCOCs remaining in the soil must be protective considering migration and exposure pathways applicable to the site.

The only applicable potential migration and exposure pathway for the Site is the direct contact pathway. Based on the analysis of this migration and exposure pathway discussed in Section 4.0 of this report, the closure criteria for a generic non-residential closure have been achieved at the Site through filing the DRC.

4.7 Land and Resource Use Restrictions

Land and resource use restrictions were implemented for the Site in accordance with NREPA Section 20114c via a DRC approved by MDEQ and recorded by RACER that includes:

- Restriction of usage of the property to non-residential use
- Restriction of groundwater use for consumption, irrigation, dewatering, or any other purpose with the exception of wells constructed as part of a DEQ-approved response activity
- Management of soils, media and/or debris located on the property in accordance with the applicable requirements

A copy of the recorded DRC is included in Appendix E.

4.8 Monitoring

No additional monitoring of the Site is necessary.

4.9 Post-Closure Plan

The appropriate deed restrictions were filed for the Site. A copy of the Declaration of Restrictive Covenant is presented in Appendix E.

4.10 Contingency Plan

A contingency plan is not necessary because no long-term monitoring or maintenance is required.

4.11 Financial Assurance

No further activities are planned for the Site and therefore no financial assurance is required.

4.12 Permanent Markers

No permanent markers are required as the Site is being closed to generic non-residential standards.

4.13 Easement Holders

There are two public utility easements for the City of Saginaw that were identified as part of the legal survey.

4.14 Summary of Remedial Action

Exceedances of MDEQ generic criteria were identified in surface soil and subsurface soil at the Site. In accordance to the NREPA, 1994 PA 541, a generic non-residential closure has been achieved for the Site. Evaluation of the potential migration and exposure pathways applicable to the Site indicate the generic non-residential closure criteria have been achieved with the implementation of the completed soil excavation and DRC.

Section 5.0 References

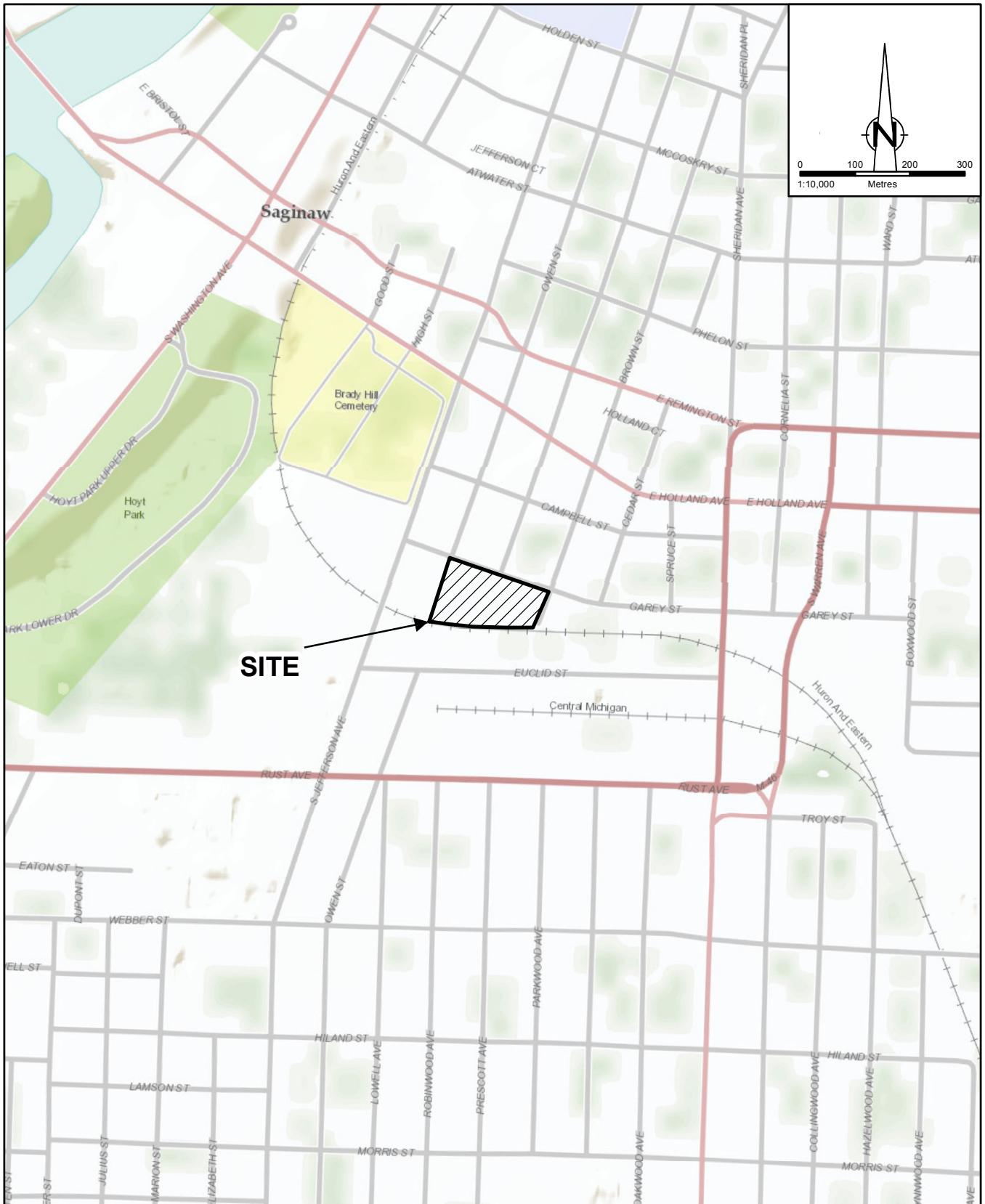
Phase I Environmental Site Assessment, Conestoga-Rovers & Associates, September 1, 2006.

Draft Memorandum on Phase II ESA Investigation Results, Conestoga-Rovers & Associates, April 2008.

Investigation Summary and Proposed Site Closure Letter, Conestoga-Rovers & Associates, October 13, 2011.

Executed Request for DEQ Review of Response Activity Plan Form, October 26, 2011.

Letter Approval with Conditions of the Response Activity Plan for 700 Garey Street, Michigan Department of Environmental Quality, December 1, 2011.

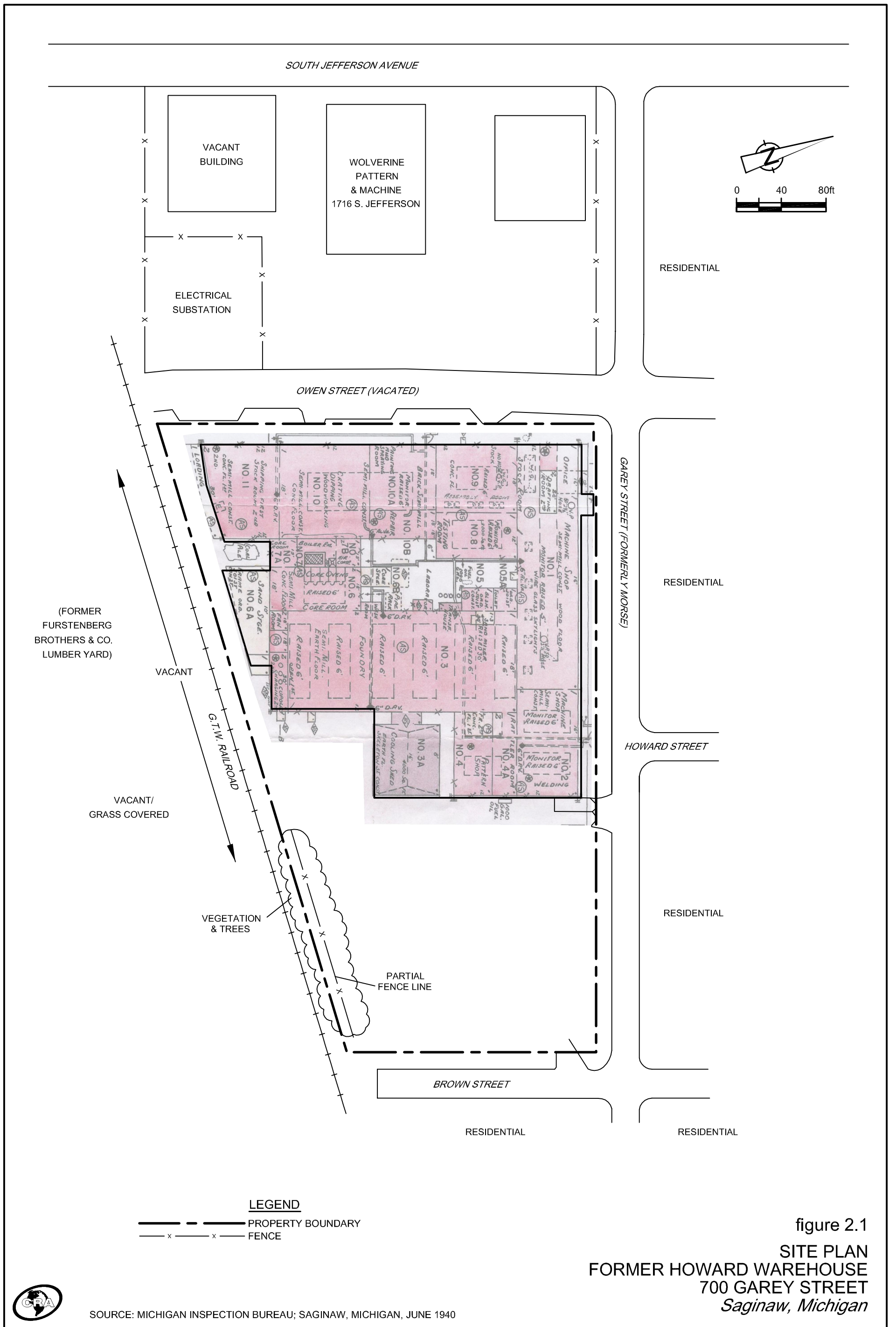


Source: ESRI Topographic Basemap, Accessed 2012;
 Coordinate System: NAD 1983 UTM Zone 17N

figure 1.1

**SITE LOCATION
 FORMER HOWARD WAREHOUSE
 700 GAREY STREET
 Saginaw, MI**





SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

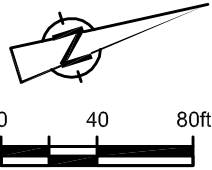


SOUTH JEFFERSON AVENUE

VACANT BUILDING

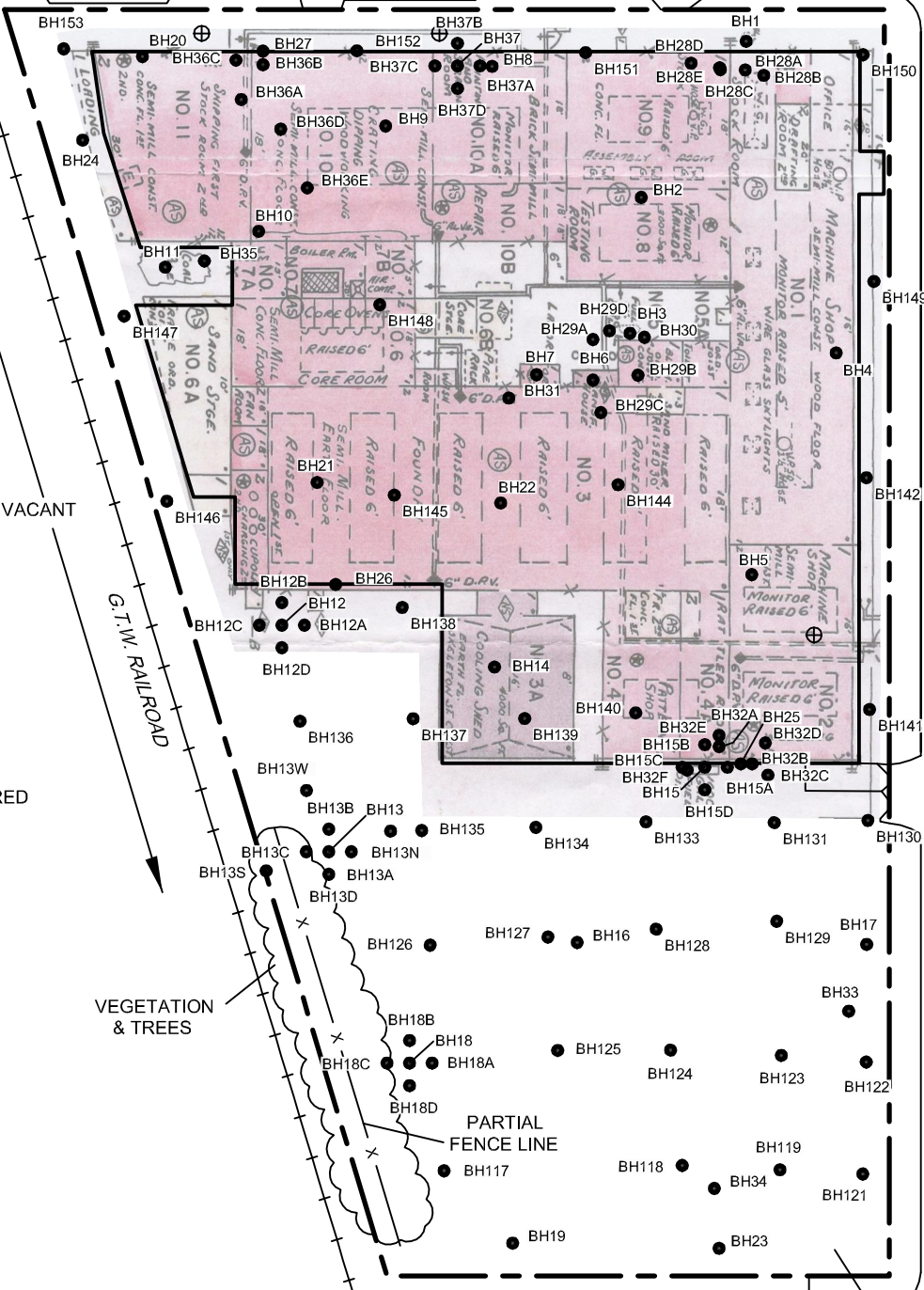
WOLVERINE PATTERN & MACHINE
1716 S. JEFFERSON

ELECTRICAL SUBSTATION



RESIDENTIAL

OWEN STREET (VACATED)



GAREY STREET (FORMERLY MORSE)

RESIDENTIAL

HOWARD STREET

RESIDENTIAL

BROWN STREET

RESIDENTIAL

RESIDENTIAL

(FORMER FURSTENBERG BROTHERS & CO. LUMBER YARD)

VACANT

VACANT/
GRASS COVERED

VEGETATION & TREES

PARTIAL FENCE LINE

LEGEND

- — — — — PROPERTY BOUNDARY
- x — x — FENCE
- ⊕ STORM SEWER
- GEOPROBE LOCATION

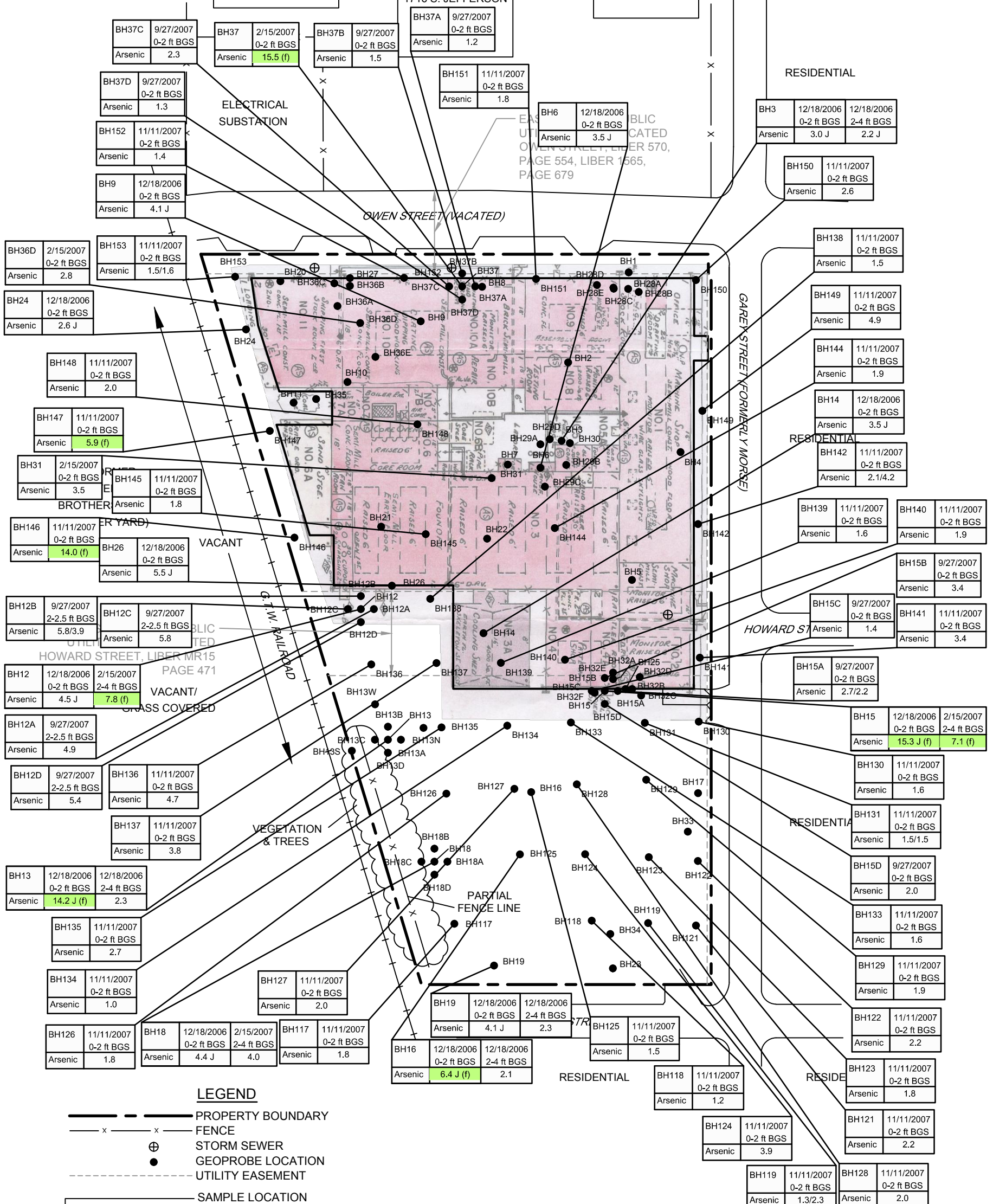
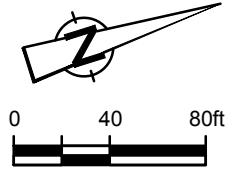
figure 3.1

**GEOPROBE INVESTIGATIVE LOCATIONS
FORMER HOWARD WAREHOUSE
700 GAREY STREET
Saginaw, Michigan**



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

| Arsenic Criteria | | |
|------------------|---|---------------------------|
| Code | Part 201 Generic Cleanup Criteria and Screening Levels December 2013 | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | 5.8 |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | - |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | - |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | - |
| e | Non-Residential - Direct Contact | 37 |
| f | Non-Residential/Groundwater - Drinking Water Protection | 4.6 |
| g | Non-Residential - Soil Volatilization to Indoor Air Inhalation | - |
| h | Non-Residential - Ambient Air - Particulate Soil Inhalation | 910 |



LEGEND

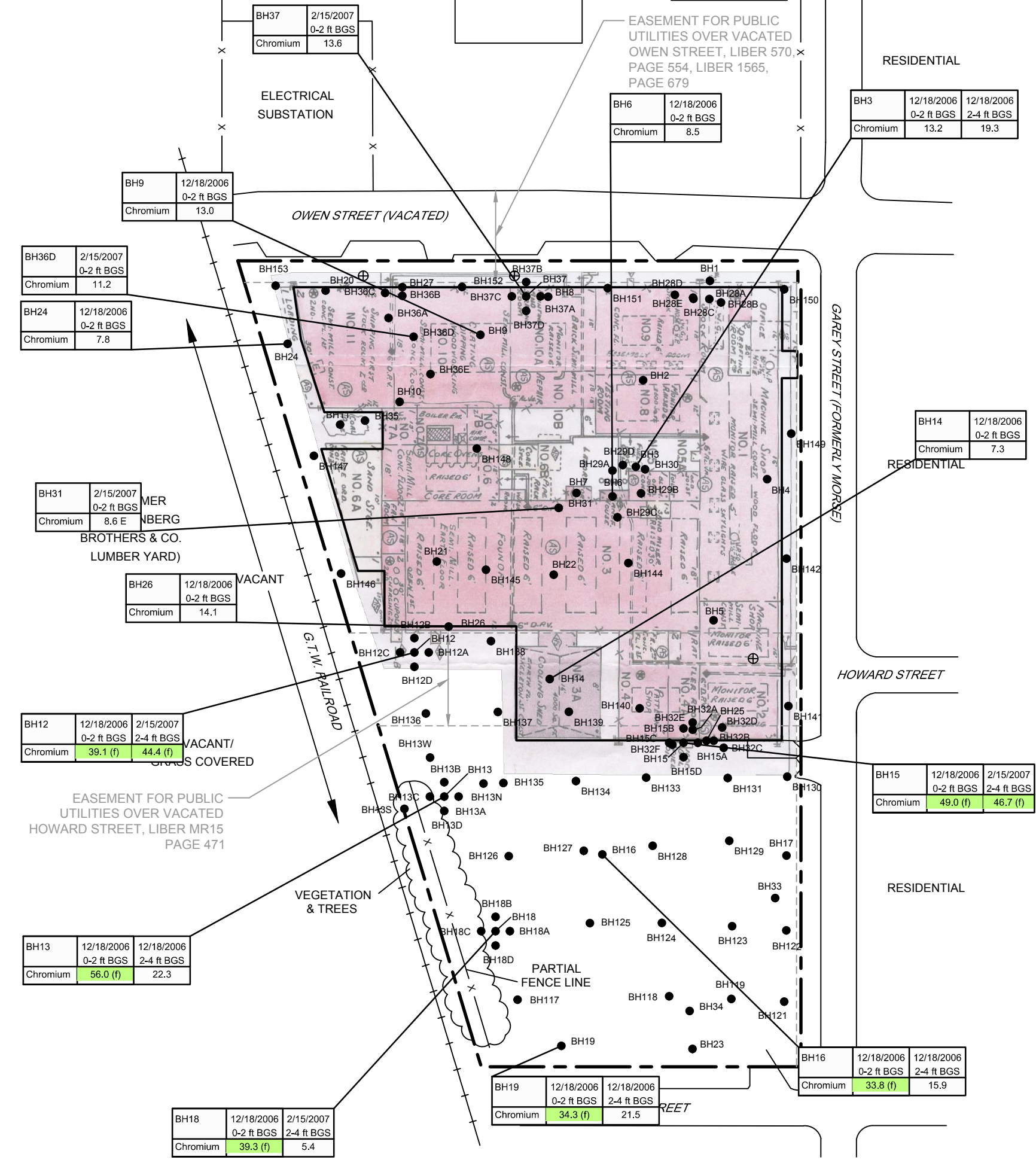
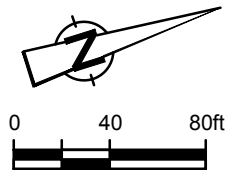
- PROPERTY BOUNDARY
- FENCE
- STORM SEWER
- GEOPROBE LOCATION
- UTILITY EASEMENT
- SAMPLE LOCATION
- | | | |
|---------|------------|------------|
| BH13 | 12/18/06 | 12/18/06 |
| | 0-2 ft BGS | 2-4 ft BGS |
| Arsenic | 14.2 J (f) | 2.3 |
- EXCEEDS CRITERIA

figure 3.2
SUMMARY OF DETECTS - ARSENIC
FORMER HOWARD WAREHOUSE
700 GAREY STREET
Saginaw, Michigan



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

| Chromium Total Criteria | | |
|-------------------------|--|------------------------|
| Code | Part 201 Generic Cleanup Criteria and Screening Levels December 2013 | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | 18 |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | - |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | - |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | - |
| e | Non-Residential - Direct Contact | 9200 |
| f | Non-Residential/Groundwater - Drinking Water Protection | 30 |
| g | Non-Residential - Soil Volatilization to Indoor Air Inhalation | - |
| h | Non-Residential - Ambient Air - Particulate Soil Inhalation | 240 |



LEGEND

- PROPERTY BOUNDARY
- x - x - FENCE
- ⊕ STORM SEWER
- GEOPROBE LOCATION
- - - UTILITY EASEMENT
- SAMPLE LOCATION

| BH18 | 12/18/06 | 12/18/06 | SAMPLE DATE |
|----------------|------------|------------|----------------|
| | 0-2 ft BGS | 2-4 ft BGS | SAMPLE DEPTH |
| Chromium Total | 39.3 (f) | 5.4 | RESULT (mg/kg) |
| | | | PARAMETER |

■ EXCEEDS CRITERIA

figure 3.3
SUMMARY OF DETECTS - CHROMIUM TOTAL
FORMER HOWARD WAREHOUSE
700 GAREY STREET
Saginaw, Michigan



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

| Lead Criteria | | |
|---------------|--|------------------------|
| Code | Part 201 Generic Cleanup Criteria and Screening Levels December 2013 | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | 21 |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | - |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | - |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | - |
| e | Non-Residential - Direct Contact | 900 |
| f | Non-Residential/Groundwater - Drinking Water Protection | 700 |
| g | Non-Residential - Soil Volatilization to Indoor Air Inhalation | - |
| h | Non-Residential - Ambient Air - Particulate Soil Inhalation | 44000 |

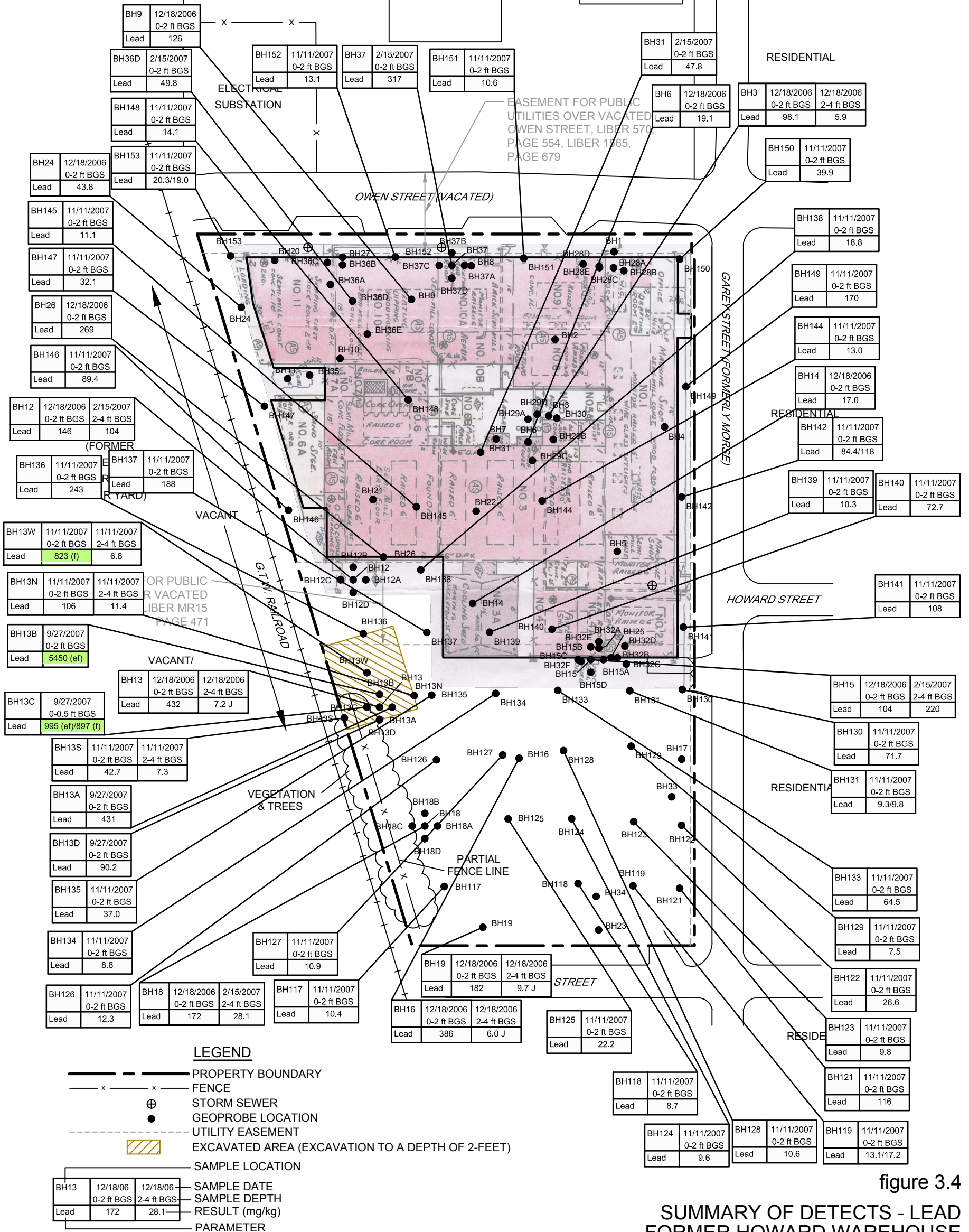
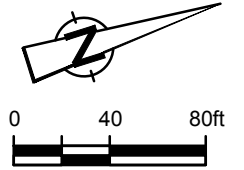


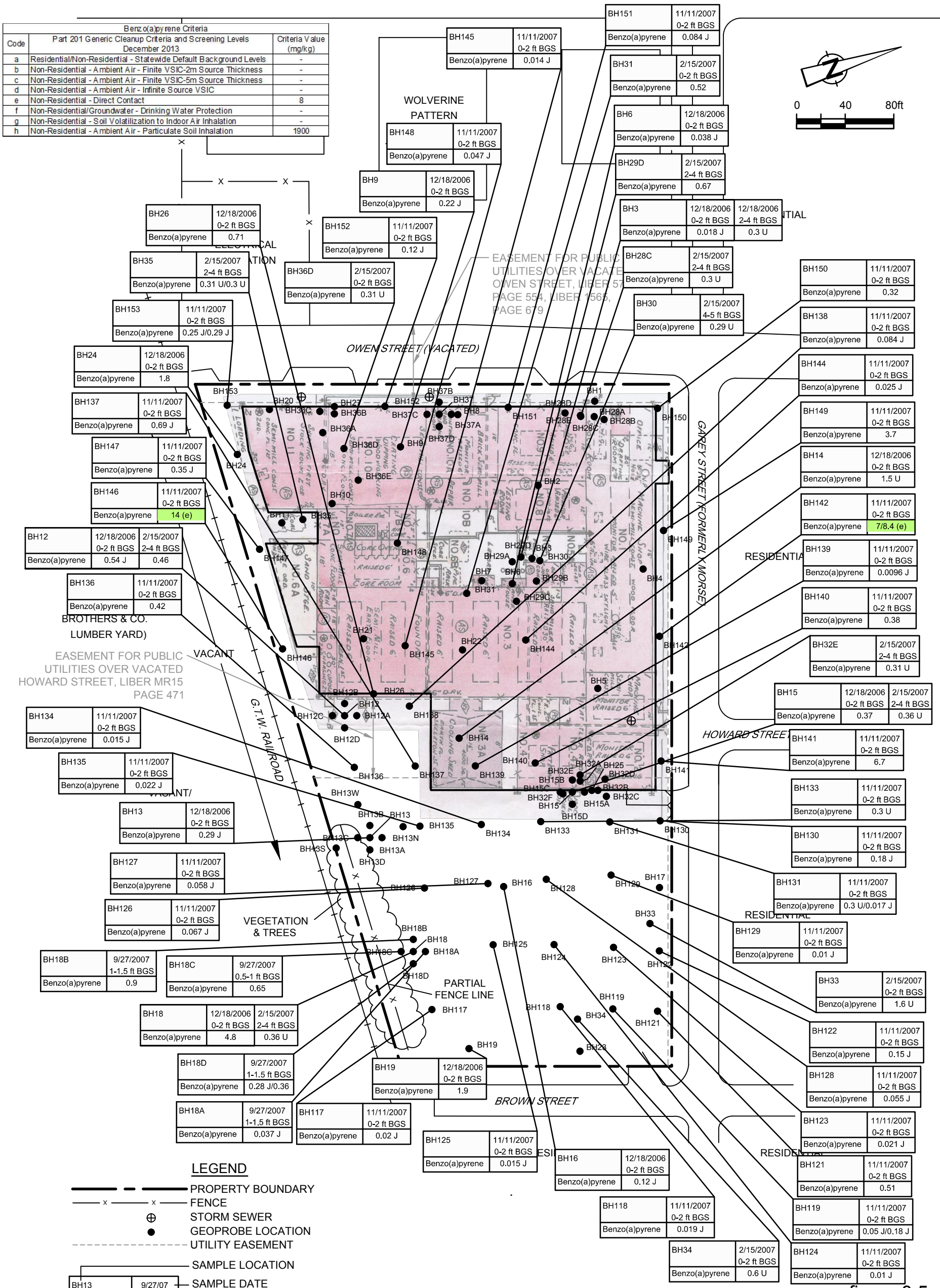
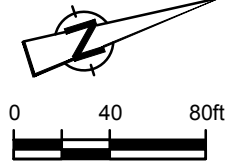
figure 3.4

SUMMARY OF DETECTS - LEAD
FORMER HOWARD WAREHOUSE
700 GAREY STREET
Saginaw, Michigan



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

| Benzo(a)pyrene Criteria | | |
|-------------------------|--|------------------------|
| Code | Part 201 Generic Cleanup Criteria and Screening Levels December 2013 | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | - |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | - |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | - |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | - |
| e | Non-Residential - Direct Contact | 8 |
| f | Non-Residential/Groundwater - Drinking Water Protection | - |
| g | Non-Residential - Soil Volatilization to Indoor Air Inhalation | - |
| h | Non-Residential - Ambient Air - Particulate Soil Inhalation | 1900 |



| SAMPLE LOCATION | SAMPLE DATE | SAMPLE DEPTH | RESULT (mg/kg) | PARAMETER |
|-----------------|-------------|--------------|----------------|----------------|
| BH13 | 9/27/07 | 1-1.5 ft BGS | 0.037 J | Benzo(a)pyrene |

EXCEEDS CRITERIA

figure 3.5

SUMMARY OF DETECTS - BENZO(a)PYRENE
FORMER HOWARD WAREHOUSE
700 GAREY STREET
Saginaw, Michigan



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

| Trichloroethene Criteria | | |
|--------------------------|--|------------------------|
| Code | Part 201 Generic Cleanup Criteria and Screening Levels December 2013 | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | - |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | 58 |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | 25 |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | 14 |
| e | Non-Residential - Direct Contact | 660 |
| f | Non-Residential/Groundwater - Drinking Water Protection | 0.1 |
| g | Non-Residential - Soil Volatilization to Indoor Air Inhalation | 1.9 |
| h | Non-Residential - Ambient Air - Particulate Soil Inhalation | 59000 |

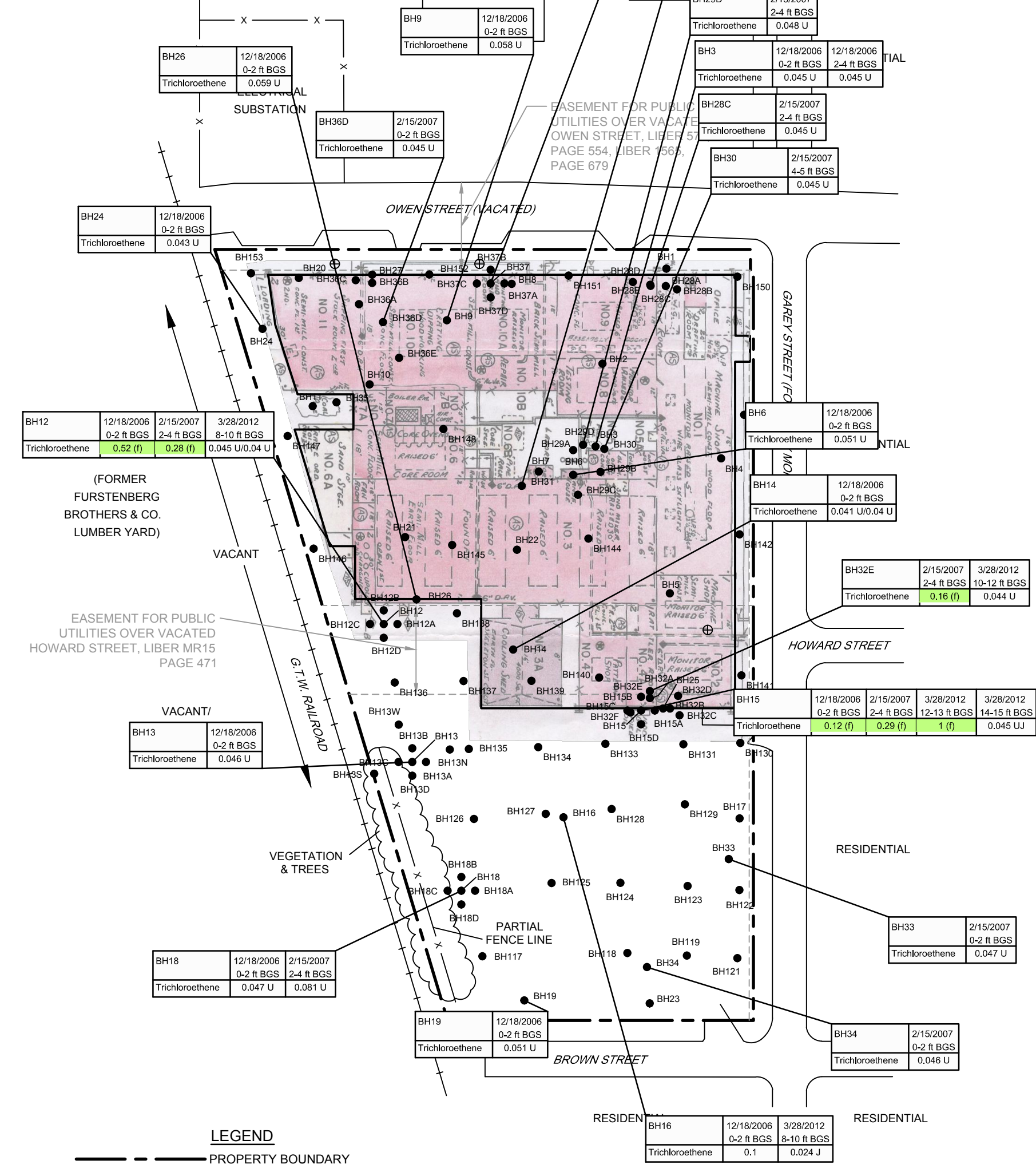
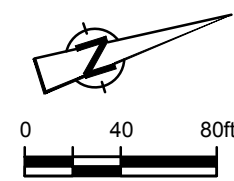


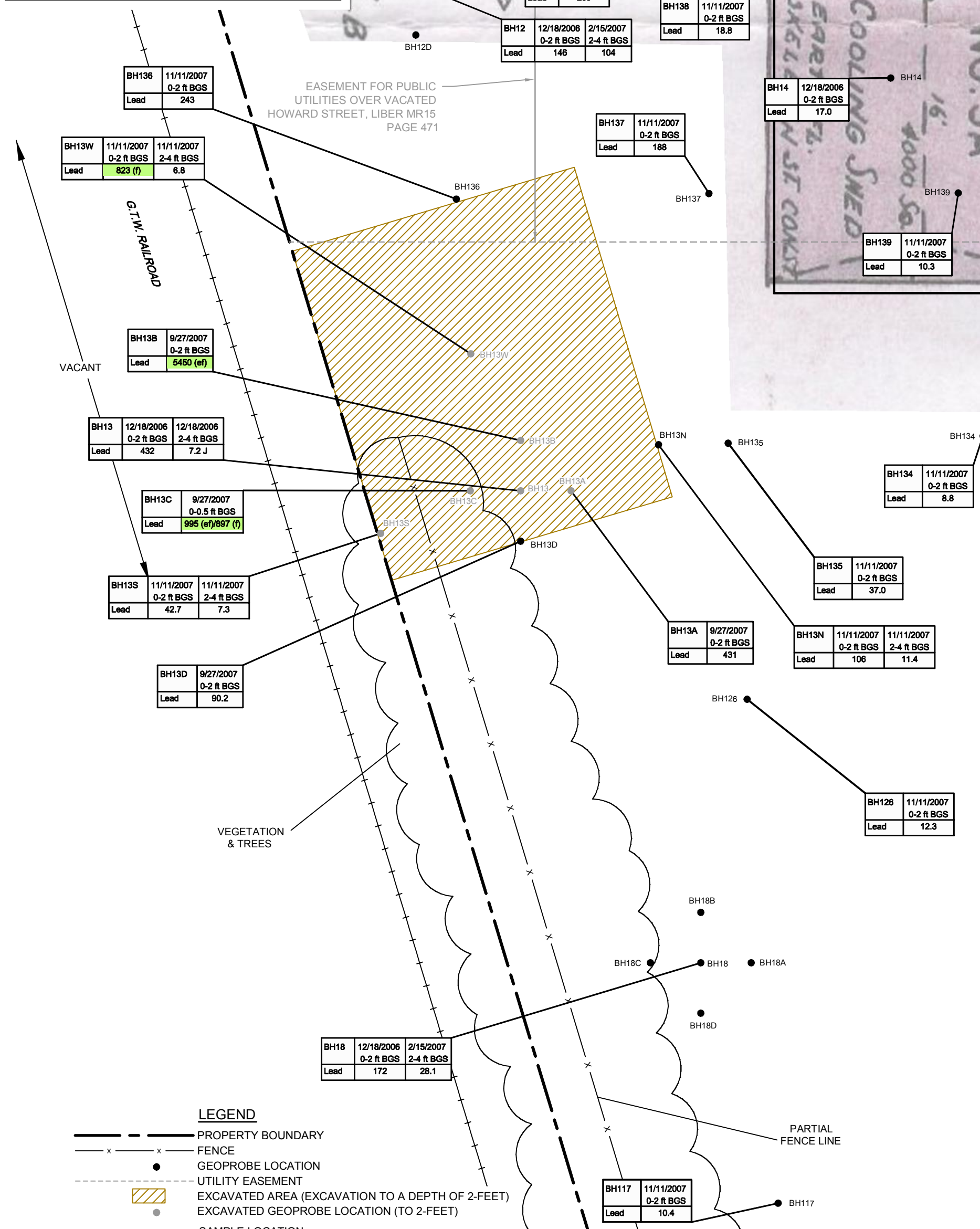
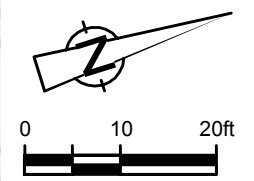
figure 3.6

SUMMARY OF DETECTS - TRICHLOROETHENE
FORMER HOWARD WAREHOUSE
700 GAREY STREET
Saginaw, Michigan



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

| Lead Criteria | | |
|---------------|--|------------------------|
| Code | Part 201 Generic Cleanup Criteria and Screening Levels December 2013 | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | 21 |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | - |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | - |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | - |
| e | Non-Residential - Direct Contact | 900 |
| f | Non-Residential/Groundwater - Drinking Water Protection | 700 |
| g | Non-Residential - Soil Volatilization to Indoor Air Inhalation | - |
| h | Non-Residential - Ambient Air - Particulate Soil Inhalation | 44000 |



LEGEND

- PROPERTY BOUNDARY
- FENCE
- GEOPROBE LOCATION
- UTILITY EASEMENT
- EXCAVATED AREA (EXCAVATION TO A DEPTH OF 2-FEET)
- EXCAVATED GEOPROBE LOCATION (TO 2-FEET)
- SAMPLE LOCATION

| | | | |
|------|------------|------------|----------------|
| BH13 | 12/18/06 | 12/18/06 | SAMPLE DATE |
| | 0-2 ft BGS | 2-4 ft BGS | SAMPLE DEPTH |
| Lead | 172 | 28.1 | RESULT (mg/kg) |
| | | | PARAMETER |

EXCEEDS CRITERIA

figure 4.1
**LIMITS OF SOIL EXCAVATION
 FORMER HOWARD WAREHOUSE
 700 GAREY STREET
 Saginaw, Michigan**



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

Appendix A

No Further Action Submittal Documents

Appendix A-1

No Further Action Submittal Form



Request for DEQ Review of No Further Action (NFA) Report

This form is required for submittal of a request for the DEQ to review a No Further Action Report, under Section 20114d, Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Section A: NFA Category (Check all that apply):

| | |
|--|--|
| Residential, unrestricted <input type="checkbox"/> | Restricted (limited) Residential <input type="checkbox"/> |
| | Restricted (limited) Non-Residential <input checked="" type="checkbox"/> |
| | Restricted (limited) Site Specific <input type="checkbox"/> |

Does this NFA address the entire facility (as defined in Sec 20101 of Part 201):

If the NFA does not cover the entire facility, please identify what is covered within the NFA report, (i.e. specific portion of facility, release(s), hazardous substance(s), media, or exposure pathway):

Section B: Facility Information:

| | |
|--|--|
| Facility Name: Former Howard Warehouse | County: Saginaw County |
| Street Address of Property: 700 Garey Street | City/Village/Township: Saginaw |
| | Range: 004 Section: 025 |
| City: Saginaw State: MI Zip: 48601 | Town: 012 |
| | Quarter: SE Quarter-Quarter: NWSE |
| Property Tax ID (include all applicable IDs): 08 0002 00000 | Decimal Degrees Latitude: 43.413356 |
| | Decimal Degrees Longitude: -83.941276 |
| Status of submitter relative to the property (check all that apply): | Reference point for latitude and longitude: |
| Former <input type="checkbox"/> Current <input checked="" type="checkbox"/> Prospective <input type="checkbox"/> | Center of site <input checked="" type="checkbox"/> Main/front door <input type="checkbox"/> |
| Owner <input type="checkbox"/> | Front gate/main entrance <input type="checkbox"/> Other <input type="checkbox"/> |
| Operator <input type="checkbox"/> | Collection method: |
| | Survey <input type="checkbox"/> GPS <input type="checkbox"/> Interpolation <input checked="" type="checkbox"/> |

Section C: Submitter Information:

| | |
|--|--------------------------------|
| Entity/person requesting review: RACER Trust | |
| Contact Person (name and title): Dave Favero (Deputy Cleanup Manager – Michigan) | |
| Submitter's Address: 500 Woodward Avenue, Suite 1510 | |
| City: Detroit | State: MI Zip: 48226 |
| Telephone: (734) 879-9525 | E-Mail: dfavero@racertrust.org |
| Relationship of Contact Person to the Submitter: Employee | |
| Owner Name, if different from Submitter: | Company: |
| Owner Address: | City: State: Zip: |
| Telephone: | E-Mail: |

Section D: Facility/Property Subject to (Check all that apply):

| | |
|--|-------------------------------------|
| Facility regulated under Part 201, other source, or source unknown | <input checked="" type="checkbox"/> |
| Part 201 Site ID, if known: | |
| Leaking Underground Storage Tank regulated pursuant to Part 213 Part 211/213. | <input type="checkbox"/> |
| Facility ID, if known: | |
| Oil or gas production and development regulated pursuant to Part 615 or 625 | <input type="checkbox"/> |
| Licensed landfill regulated pursuant to Part 115 | <input type="checkbox"/> |
| Licensed hazardous waste treatment, storage, or disposal facility regulated pursuant to Part 111 | <input type="checkbox"/> |

Consent Agreement or other legal agreement with the MDEQ

Section E: Are/were the following present at the facility (Check all that apply):

| | Current | Previously | Unknown |
|--|-------------------------------------|-------------------------------------|--------------------------|
| Free product/Non aqueous phase liquids (NAPL) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Soil contamination above residential criteria | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Soil contamination above non-residential criteria | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Soil aesthetic impacts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater contamination above residential criteria | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater contamination above non-residential criteria | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater contamination above the Acute Inhalation Screening Level | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater aesthetic impacts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Soil Gas contamination above residential vapor intrusion (vi) screening levels | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Soil Gas contamination above non-residential VI screening levels | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Conditions immediately dangerous to life or health (IDLH) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fire & Explosion hazards related to releases | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Contamination existing in drinking water supply | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Imminent threat to drinking water supply | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Impact to surface water | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Impact to surface water sediments above screening levels | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Section F: The following questions assist MDEQ in evaluating the No Further Action Report:

Have other plans or reports, BEAs, DDCCs, NFAs, etc. been submitted for this facility?

Facility Name, if different than this submittal:

Date and Name of most recent submittal: Email – April 23, 2012 from CRA to MDEQ RE: Project Update, Garey Street

Response Activities or Remedial Action that have been Implemented (Check all that apply):

| | Current | Previously |
|---|--------------------------|-------------------------------------|
| Excavation | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Physical or Engineered Exposure Barrier | <input type="checkbox"/> | <input type="checkbox"/> |
| Active Soil Remediation System | <input type="checkbox"/> | <input type="checkbox"/> |
| In-situ Soil Remediation | <input type="checkbox"/> | <input type="checkbox"/> |
| Active Groundwater Remediation System | <input type="checkbox"/> | <input type="checkbox"/> |
| In-situ Groundwater Remediation | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater Monitored Natural Attenuation | <input type="checkbox"/> | <input type="checkbox"/> |
| Containment, Physical or Hydraulic | <input type="checkbox"/> | <input type="checkbox"/> |
| Vapor Intrusion Barrier | <input type="checkbox"/> | <input type="checkbox"/> |
| Vapor Intrusion Remediation System | <input type="checkbox"/> | <input type="checkbox"/> |
| Other, Specify: | | |

Remedial Action Relies on (Check all that apply):

| | |
|---|--------------------------|
| Mixing Zone | <input type="checkbox"/> |
| Part 201 Section 20118(5) and (6) | <input type="checkbox"/> |
| Site-Specific Criteria Section 20120b | <input type="checkbox"/> |
| MIOSHA demonstration Section 20120a(19) | <input type="checkbox"/> |

Post Closure Plan and Components:

Post Closure Plan Required? Yes No (Residential, Unrestricted Category Only)

Plan Includes:

Permanent Markers

Restrictive Covenant

Institutional Controls

Post Closure Agreement and Components:

Post Closure Agreement Required? Yes No

Agreement Includes:

FAM

FAM, de minimus

Waiver of Permanent Marker

Section G: Attachments (Required):

| | |
|--|--|
| Environmental Professional's Affidavit is attached: | Yes <input checked="" type="checkbox"/> |
| Environmental Professional's Certificate of Insurance is attached: | <input checked="" type="checkbox"/> |
| Submitter's Affidavit is attached: | <input checked="" type="checkbox"/> |

Section H: Environmental Professional Signature:

With my signature below, I certify that this plan and all related materials are true, accurate, and complete to the best of my knowledge and belief.



Signature: _____ Date: October 7, 2014

Printed Name: Michael Tomka

Company: Conestoga-Rovers & Associates, Inc.

Mailing Address: 14496 Sheldon Road, Suite 200 City: Plymouth, Detroit State: MI Zip: 48170

Telephone: 519-884-0510 E-mail: mtomka@craworld.com

Section I: Submitter Signature:

With my signature below, I certify that this plan and all related materials are true, accurate, and complete to the best of my knowledge and belief and I am legally authorized to sign for the submitter.



Signature: _____ Date: Oct 13, 2014

(Person legally authorized to bind the legal entity)

Printed Name: Dave Favero (Deputy Cleanup Manager – Michigan)

Title and Relationship of signatory to submitter:

Address: 500 Woodward Avenue, Suite 1510 City: Detroit State: MI Zip: 48226

Telephone: (734) 879-9525 E-Mail: dfavero@racertrust.org

This form and the no further action report should be submitted to the DEQ Remediation and Redevelopment Division District Office unless the response activity is related to a facility that is regulated by another DEQ Division. A district map is located at www.michigan.gov/deqrrd. If regulated by another division, contact should be made with that division for information on where to submit the form and report.

Appendix A-2

Affidavit of Consultant (CRA)


ENVIRONMENTAL CONSULTANT AFFIDAVIT FOR NO FURTHER ACTION REPORT

Required pursuant to Section 20114d(5) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended, for the Environmental Consultant who prepared a No Further Action (NFA) report that is being submitted to Michigan DEQ. All terms found in this document which are defined in Part 3, Definitions, and Part 201, Environmental Remediation, of NREPA shall have the same meaning as in the statute.

State of Michigan

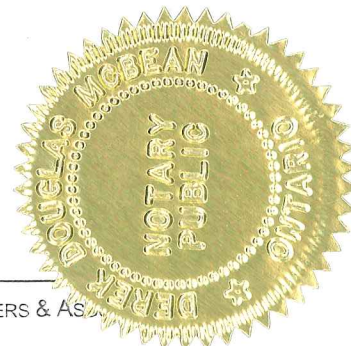
County of Saginaw

1. I, Michael Tomka, am an Environmental Consultant whose title is, Associate, and I am employed by Conestoga-Rovers & Associates.
2. I meet the professional qualifications set forth in MCL 324.20114e(2) of NREPA. A description of my qualifications, including education and work experience, is attached in Appendix A-3.
3. I have prepared a No Further Action (NFA) report dated October 2014 for the facility referred to as Former Howard Street Warehouse and located at 700 Garey Street, Saginaw, Michigan (the "Facility"). The property is located in the City of Saginaw, Michigan. A legal description and survey of the property is included in Appendix F.
I am submitting this affidavit pursuant to MCL 324.20114d(5).
4. I prepared the NFA Report at the request of RACER Trust.
5. The remedial action at the Facility described in the NFA report was conducted in compliance with Part 201 of the NREPA, and all other applicable local, state, and federal laws and regulations.
6. I affirm to the best of my knowledge and belief that the NFA report prepared for this Facility, and all information, data, documents and reports relied upon for this NFA report, are true, accurate and complete.


Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of October, 2014.


Notary Public
Derek McBean



Appendix A-3

Resume of Consultant Engineer (Michael Tomka)

EDUCATION

B.A.Sc. University of Waterloo, Civil Engineering - Water Resources Option, 1991

Other Courses/

Training: 40-Hour OSHA Health and Safety Training (as per OSHA 29 CFR 1910.120), June 1991
8-Hour OSHA Health and Safety Refresher Course (as per OSHA 29 CFR 1910.120),
February 2010 (updated annually)
Basic Certification and Workplace-Specific Hazard Training, WSIB, July 2004
Standard First Aid with CPR Level A/AED, St. John Ambulance, expires April 11, 2013

EMPLOYMENT

2002- Associate/Project Manager/Engineer
Present Conestoga-Rovers & Associates, Waterloo, Ontario
1991-01 Project Manager/Coordinator/Engineer, Conestoga-Rovers & Associates, Waterloo, Ontario
1990 Engineering Assistant (co-op work term), Conestoga-Rovers & Associates
1990 Engineering Assistant (co-op work term), Kofman Engineering Services Limited

AFFILIATIONS/DESIGNATIONS

Registered Professional Engineer

- Province of Ontario (PEO #90328485)
- State of Michigan (License 43317)
- State of Ohio (License E-62008)
- State of Illinois (License 062-054754)

Certified Underground Storage Tank Professional - State of Michigan (#900)

PROFILE OF PROFESSIONAL ACTIVITIES

Environmental Investigation, Remediation, and Risk Assessment

- Project manager responsible for remedial investigation, agency liaison, and remedial action to remediate polychlorinated biphenyls (PCBs) in soil and groundwater at a large manufacturing facility on the Saginaw River located in Bay City, Michigan. The lead agency is the Michigan Department of Environmental Quality (MDEQ). The remedial action is a containment remedy with groundwater recovery and treatment. In addition, end-of-pipe treatment (sanitary, storm/non-contact cooling, process) was installed for all manufacturing discharges. Currently in operation and maintenance phase. However, as a result of a recent bankruptcy, the property is being split, therefore, the remedy will need to be split. Ongoing efforts include the evaluation of alternatives to address groundwater and surface water discharges. In addition, updated action plans and operation and maintenance plans will be developed.
- Project manager responsible for RCRA Facility Investigation and Corrective Measures Study (RFI/CMS) at a large manufacturing plant on the Saginaw River located in Saginaw, Michigan. The lead agency is the United States Environmental Protection Agency (U.S. EPA). The work is being completed under Unilateral Administrative Order from 1995. Several Interim Measures have been completed including passive LNAPL recovery, groundwater collection and treatment for PCBs, and excavation and off-site disposal of PCB impacted soil. In addition, applicable RCRA and UST closures have been completed. Recently, an updated order for Operation and Maintenance Activities has been proposed. The RFI has been completed in several phases and the draft RFI Report including Human Health and Ecological Risk Assessments was submitted in March 2007. However, as a result of a recent bankruptcy, the property is being split, therefore, the RFI Report is being revised to reflect the split.
- Project engineer responsible for identification, evaluation, design, and implementation of remedial alternatives to address groundwater impacted by hexavalent chromium and volatile organic compounds (VOCs) to support redevelopment at a former manufacturing property in Livonia, Michigan. A soil/bentonite slurry wall was installed around the area of chromium impacted groundwater. The area with VOC impacted groundwater was addressed by in situ chemical oxidation using potassium permanganate.
- Project manager responsible for design and construction of wetland restorations and boat launch locations required as part of a Natural Resource Damage (NRD) settlement in the area of the Saginaw Bay (part of Lake Huron). The Trustee was the United States Fish and Wildlife Service (U.S. FWS). Restoration was completed at six wetland locations. Construction of three public boat launches was completed with the largest costing in excess of \$1.5 million. A hydrologic study was completed at an 1,800-acre marsh and flow control improvements were implemented in order to improve habitat. U.S. FWS issued a Certificate of Completion in May 2009.
- Project manager responsible for Remedial Design/Remedial Action (RD/RA) to address soil and groundwater impacted by chlorinated solvents and metals at the Byron Salvage Yard Superfund Site in Byron, Illinois. The lead agency is the U.S. EPA. Based on pre-design sampling, no soil remediation was warranted. Extended potable water for residential use in groundwater impacted areas. Currently implementing long-term groundwater monitoring program and preparation of 5-year review documents.
- Project manager and engineer responsible for Remedial Action Plan (RAP) to address groundwater impacted by VOCs, Semivolatile organic compounds (SVOCs), and tentatively identified compounds (TICs) at a former dump at an operating quarry in Rockwood, Michigan. The RAP proposed in-situ

chemical oxidation based on laboratory and field pilot tests. The RAP has not been implemented to date.

- Project manager and engineer responsible for an extensive sewer investigation to identify and eliminate sources of PCBs and free oil in discharges to the City sewer system at a large manufacturing plant in Saginaw, Michigan. Completed re-routing, abandoning, installation, and lining, as appropriate.
- Project manager and engineer responsible for RAP to address two former disposal areas impacted by VOCs and PCBs. The lead agency was the MDEQ. The RAP was excavation and off-Site disposal of impacted soils. The MDEQ issued a generic residential closure. A mitigation wetland was constructed on the property and approved by the MDEQ.
- Project manager and engineer responsible for Engineering Evaluation/Cost Analysis (EE/CA) to address soil and groundwater impacts at the Garland Road Landfill Superfund Site north of Dayton, Ohio. The lead agency was the U.S. EPA. Negotiated through a multi-year dispute resolution process. An Enforcement Action memorandum was issued by U.S. EPA in 2007. The client has since declared bankruptcy and the project has been assumed by the regulators.
- Project manager and engineer responsible for focused site characterization and remediation to address soils impacted by metals at a manufacturing plant in Circleville, Ohio. The lead agency was the Ohio EPA. The remedy included in situ stabilization, excavation, and off-site disposal. The Consent Judgment requirements were met and the project was completed on schedule and budget.
- Project manager and engineer responsible for investigation and remediation to address PCB and chromium impacted materials at ten locations near Bay City, Michigan. The lead agency was the MDEQ. The Consent Judgment requirements were met and the project was completed on schedule and under budget.
- Project manager and certified professional for more than 50 UST sites in Michigan.

Civil Experience

- Project engineer responsible for the design and budgeting of a water management mitigation system to support an extension application for a quarry in Acton, Ontario. The current design includes diffuse surface discharges and groundwater recharge during active quarry activities followed by lake management with passive gravity discharges following final rehabilitation.
- Project manager responsible for regulatory support (Certificate of Approval and Permit to Take Water) and characterization of surface water, groundwater, and ecological conditions of an existing quarry in Flamborough, Ontario.
- Project manager and engineer responsible for redevelopment of a former gravel pit into a high profile 150+ lot subdivision in Kincardine, Ontario. The subdivision was designed to focus attention towards the central lake and the 40 acres of recreational forest land. The subdivision was built with energy efficiency and sustainability in mind. All residences and the clubhouse have geothermal heating and materials used in construction will provide sustainability. Project scope included consulting services on various topics related to the development, site servicing and grading, construction inspection and surface works. The project has been completed and accepted by the municipality.
- Project manager responsible for the reconstruction of a section of Guelph Street in Kitchener, Ontario. The work also included a new stormwater management facility. Coordination and permitting involved the Ministry of the Environment (MOE), City of Kitchener, Region of Waterloo, and CN Rail.
- Project manager for the development and servicing of 10 residential building lots in St. Marys Ontario. The completed servicing included sanitary sewer, storm sewer, watermain, forcemain, road realignment and reconstruction, and a lift station design. The initial construction phase has been completed.

Appendix A-4

Consultant Certificate of Insurance (CRA)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
01/08/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | |
|---|---|
| PRODUCER Program Brokerage Corporation 225 Metro Centre Boulevard Warwick, RI 02886 | CONTACT NAME: Tara Brown 416-597-0555 ext. 467 PHONE (A/C, No, Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: tara.brown@hubinternational.com |
| INSURER(S) AFFORDING COVERAGE | |
| INSURER A : Chartis Specialty Insurance Company | NAIC # 26883 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

INSURED
 Conestoga-Rovers & Associates, Inc.
 2055 Niagara Falls Blvd., Suite 3
 Niagara Falls, NY 14304

COVERAGES **CERTIFICATE NUMBER:** 2ZYY22LC **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|---------------------------|-------------------------|-------------------------|---|
| A | GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | 12380282 LIMITS IN USD | 09/30/2013 | 09/30/2014 | EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 |
| | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| | UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ AGGREGATE \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | <input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ |
| A | Pollution/Professional Liability | | | 12456483 LIMITS IN USD | 09/30/2013 | 09/30/2014 | Each Claim \$ 10,000,000 Aggregate \$ 20,000,000 CovA-Prof Claims Made \$ CovB-Poll Occurrence \$ |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Evidence of Insurance

Commercial General Liability includes Contractual Liability.

CERTIFICATE HOLDER

To Whom it May Concern

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE *Jane A. Williams*



CERTIFICATE OF LIABILITY INSURANCE

| |
|---------------------------------------|
| DATE (MM/DD/YYYY) 6/12/2014 |
|---------------------------------------|

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | | | | | | | | | | | |
|--|---|--|--------------|---|--------------|--------------------|--|--------------------|--|--------------------|--|--------------------|--|
| PRODUCER First Niagara Risk Management, Inc 726 Exchange Street Suite 900 Buffalo NY 14210 | CONTACT NAME: Andrew Frano PHONE (A/C, No. Ext): (716)819-5500 FAX (A/C, No): (716)819-5140 E-MAIL ADDRESS: andrew.frano@fnrm.com | | | | | | | | | | | | |
| INSURER(S) AFFORDING COVERAGE | | | | | | | | | | | | | |
| INSURED Conestoga-Rovers & Associates, Inc. 2055 Niagara Falls Blvd Buffalo NY 14304 | <table border="1" style="width: 100%;"> <tr> <td style="width: 80%;">INSURER A <u>Natl Union Fire Ins Co of PA</u></td> <td style="width: 20%;">19445</td> </tr> <tr> <td>INSURER B <u>New Hampshire Insurance Company</u></td> <td>28341</td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table> | INSURER A <u>Natl Union Fire Ins Co of PA</u> | 19445 | INSURER B <u>New Hampshire Insurance Company</u> | 28341 | INSURER C : | | INSURER D : | | INSURER E : | | INSURER F : | |
| INSURER A <u>Natl Union Fire Ins Co of PA</u> | 19445 | | | | | | | | | | | | |
| INSURER B <u>New Hampshire Insurance Company</u> | 28341 | | | | | | | | | | | | |
| INSURER C : | | | | | | | | | | | | | |
| INSURER D : | | | | | | | | | | | | | |
| INSURER E : | | | | | | | | | | | | | |
| INSURER F : | | | | | | | | | | | | | |

COVERAGES **CERTIFICATE NUMBER: 14-15** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|--|------------|----------|---|-------------------------|-------------------------|---|
| | GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | | | EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$ |
| A | AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS | X | X | 3500636 \$500 Ded Coll; \$250 Comp | 7/1/2014 | 7/1/2015 | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Hired Phys Damage Max Limit \$ 100,000 |
| | UMBRELLA LIAB EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ AGGREGATE \$ \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | X | 018962465 (AOS) 018962466 (CA) | 7/1/2014 | 7/1/2015 | <input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Evidence of Insurance - Leased or Rented Vehicles

CERTIFICATE HOLDER **CANCELLATION**

| | |
|------------------|---|
| Auto Information | <p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p> <p>AUTHORIZED REPRESENTATIVE</p> <p>M Bonetto/AFRANO </p> |
|------------------|---|

Appendix A-5

Affidavit of Submitter (RACER)

AFFIDAVIT OF PERSON SUBMITTING A NO FURTHER ACTION REPORT

Required pursuant to Section 20114d(5) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended, to be submitted by a person submitting a No Further Action (NFA) report to Michigan DEQ. All terms found in this document which are defined in Part 3, Definitions, and Part 201, Environmental Remediation, of NREPA shall have the same meaning as in the statute.

State of Michigan

County of ~~Saginaw~~ *Wayne*

1. I, David M. Favero am authorized to submit this affidavit on behalf of RACER Trust.
2. A NFA report dated October 2014 is being submitted for the facility referred to as Former Howard Street Warehouse and located at 700 Garey Street in Saginaw Michigan.
3. The purpose of the NFA report is to detail the completion of remedial action at the Facility, and includes a post-closure plan.
4. The remedial action at the Facility described in the NFA report was conducted in compliance with all applicable local, state, and federal laws and regulations.
5. I affirm to the best of my knowledge and belief that the NFA report prepared for this Facility, and all information, data, documents and reports relied upon for this NFA report, are true, accurate and complete.



Signature of Affiant

Sworn to before me and subscribed in my presence this 13 day of October, 2014.



Notary Public

TRACIE L. NICHOLS
Notary Public, State of Michigan
County of Oakland
My Commission Expires 03-19-2017
Acting in the County of Wayne

Appendix B

Summary of Investigation Results and Soil Removal Activities

Pardys, John-Eric

From: Tomka, Mike
Sent: Monday, April 23, 2012 1:31 PM
To: 'Kaelber-Matlock, Sue (DNRE)'
Cc: Dave Favero; Pardys, John-Eric; Project Email Hold
Subject: Project Update, Garey Street ~COR-045285~
Attachments: Supporting Documents.pdf

Sue,

The following email presents a summary of the work completed at the Garey Street Site in Saginaw, MI. We would like to set up a call with you to discuss the next steps for the project, moving closer to closure. Please let us know when you are available.

TCE Soil Investigation

- CRA conducted the TCE soil investigation on March 28, 2012 in accordance with the plan submitted to MDEQ on December 14, 2011 and acknowledged by the MDEQ in an email on March 12, 2012.
- The objective of the TCE soil investigation was to determine whether elevated concentrations of TCE exist in deeper soils.
- one borehole was advanced at each of the following locations BH12, BH15, BH16, BH32E and screened with a PID. Each location previously exceeded the Non-residential drinking water protection screening criteria (0.1 mg/kg). Please note that the Non-residential drinking water protection criteria was used purely for screening purposes and is not a relevant criteria since no groundwater was encountered during the investigation. See attached figure for TCE results for previous investigations (Summary of Detects - TCE).
- Soil samples were collected at the 8-10 feet bgs level at each location or the first 2-foot interval below 8-10 feet with no PID reading. A second sample was collected at each borehole at the next deeper interval and placed on hold pending the results of the first sample.
- Samples were collected at the following depth intervals and submitted for analysis of VOCs (with specific interest in TCE):
 - BH12 - 8-10 ft bgs and 10-12 ft bgs
 - BH15 - 12-13 ft bgs and 14-15 ft bgs
 - BH16 - 8-10 ft bgs and 10-12 ft bgs
 - BH32E - 8-10 ft bgs and 10-12 ft bgs
- The results of the first interval sample at each location is provided in the attached analytical report (Analytical Report for first interval samples). All locations were below screening criteria with the exception of BH15 which was above Non-residential drinking water protection (0.1 mg/kg) at 1.0 mg/kg for TCE. A few other VOCs were detected, however, they were not above screening criteria.
- As a result of the exceedance the laboratory was directed to analyze the second deeper interval sample at BH-15, previously placed on hold. The results of the second deeper interval sample is provided in the attached analytical report (J9689-3 UDS Level 2 Report Final Report.pdf). The results were non-detect for TCE. Toluene and cis-1,2 dichloroethene were detected, however, they were not above screening criteria.
- Therefore, based on the results of the TCE soil investigation, elevated concentrations were not found in deeper soils and we believe no further action is appropriate at the Site with respect to TCE.

Lead Impacted Soil Excavation and Restoration

- The objective of the soil excavation was to remove lead impacted soil above direct contact criteria (see attached figure)
- Fisher Contracting (subcontractor) completed the removal of lead impacted soil on April 11 and 12, 2012
- The limits of the excavation were previously delineated. The excavation proceeded to a depth of 2 ft bgs and extended to adjacent sample locations with concentrations below the screening criteria (Non-residential drinking water protection - 700 mg/kg). Lead impacted soil was removed to concentrations below Non-residential drinking water protection criteria as opposed to below direct contact criteria concentrations since the additional volume of soil associated with removing soil to below Non-residential drinking water protection criteria was minimal. The adjacent samples were used as the verification samples for the excavation and therefore no further samples were collected. Please see figure attached for the extents of the excavation (Summary of Detects - Lead)
- Fisher removed approximately 350 tons (12 truck loads) of lead impacted soil
- Back on September 28, 2011 a 6-point composite of the lead impacted soil was collected and submitted for TCLP analysis of lead. The results of the sample were non-detect as identified in the attached analytical report (Analytical report

for lead characterization). Based on the TCLP analysis, the lead impacted soil was disposed of as non-hazardous waste at the Whitefeather Landfill (Republic Services)
- Clean virgin backfill and topsoil were supplied from DeShano's Pit in Kawkawlin and used to restore the Site on April 12, 2012.
- See photographs attached (Lead impacted soil excavation - photographs)

Should you have any questions or require clarification, please do not hesitate to contact us.

Thanks Mike

From: Pardys, John-Eric
Sent: Wednesday, April 11, 2012 3:57 PM 17
To: 'Kaelber-Matlock, Sue (DNRE)'
Cc: 'Dave Favero'; Tomka, Mike; Project Email Hold
Subject: ~COR-045285~Lead impacted soil excavation update

Sue,

Just wanted to give you an update on the status of the excavation out at Garey Street in Saginaw, MI.

Fisher contracting was on-Site all day and have removed approximately 3/4 of the material and started backfilling a portion of the excavation. Fisher is expecting to complete the soil removal tomorrow, finish backfilling the excavation, place topsoil, and seed.

Steve H. (CRA) has been providing oversight. We'll provide some photos of the work once Steve has a chance to send us the photos.

With regards to the TCE impacted soil investigation, we are expecting the last of the data early next week at which time we'll provide an update as to the results.

Should you have any questions, please do not hesitate to contact us.

Thanks

John-eric Pardys, B.A.Sc.
Conestoga-Rovers & Associates (CRA)
651 Colby Drive
Waterloo, ON N2V 1C2

Phone: 519.884.0510
Fax: 519.884.0525
Email: jpardys@CRAworld.com
www.CRAworld.com

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Perform every task the safe way, the right way, every time!

This communication and any accompanying document(s) are confidential and are intended for the sole use of the addressee. If you are not the intended recipient, please notify me at the telephone number shown above or by return e-mail and delete this e-mail and any copies. You are advised that any disclosure, copying, distribution, or the taking of any action in reliance upon the communication without consent is strictly prohibited. Thank you.

From: Pardys, John-Eric
Sent: Tuesday, April 10, 2012 3:42 PM
To: 'Kaelber-Matlock, Sue (DNRE)'
Cc: 'Dave Favero'; Tomka, Mike; Project Email Hold
Subject: Garey St. Backfill soil ~PHO-045285~

Sue,

The attached photos were taken of the backfill proposed to be used for the restoration of the Garey Street excavation (scheduled for tomorrow).

We spoke with the pit and they ensured us that this was a "virgin wooded property". Unfortunately they did not have any analytical or other documentation to support their view. That said, based on the photos and the location of the pit (backcountry) it is reasonable to assume that the material is virgin and therefore CRA would recommend that no sampling is necessary.

Fisher was planning on using sand from the pit as backfill and would place a bit of topsoil from the pit over the backfill.

Please let us know if you have any concerns with the use of the backfill identified.

Thanks

John-eric Pardys, B.A.Sc.
Conestoga-Rovers & Associates (CRA)
651 Colby Drive
Waterloo, ON N2V 1C2

Phone: 519.884.0510
Fax: 519.884.0525
Email: jpardys@CRAworld.com
www.CRAworld.com

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This message may contain privileged or otherwise confidential information intended only for the use of the intended recipient(s). Do not disseminate, forward or copy this email without prior consent of the RACER Trust. If you have received this email in error, please notify the sender by return email, and delete the original and all copies of this message from your computer. Thank you.

| Trichloroethene Criteria | | |
|--------------------------|---|------------------------|
| Code | Criteria Type | Criteria Value (mg/kg) |
| a | Residential/Non-Residential - Statewide Default Background Levels | - |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | 1100 |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | 440 |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | 260 |
| e | Non-Residential - Direct Contact | 500 |
| f | Non-residential - Drinking Water Protection | 0.1 |
| g | Non-residential - Soil Volatilization to Indoor Air Inhalation | 37 |
| h | Non-residential - Ambient Air - Particulate Soil Inhalation | 2300000 |

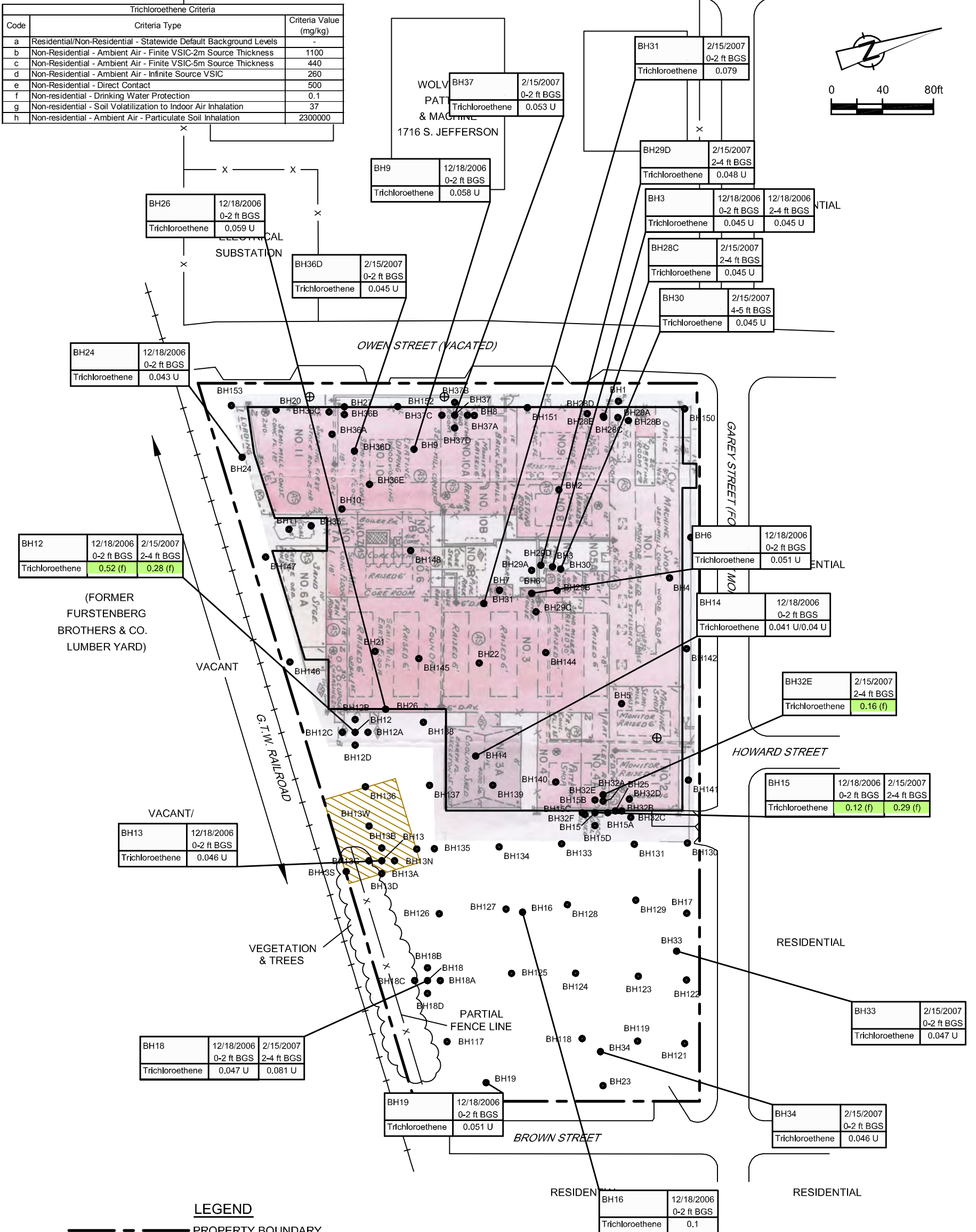
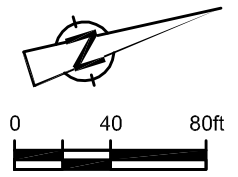


figure 7
SUMMARY OF DETECTS - TRICHLOROETHENE
FORMER WAREHOUSE
700 GAREY STREET
Saginaw, Michigan



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-9689-1

Client Project/Site: 45285-T01-003, RACER Garey Street

For:

Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:
4/5/2012 1:08:38 PM

Denise Heckler
Project Manager II
denise.heckler@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Job ID: 240-9689-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 45285-T01-003, RACER Garey Street

Report Number: 240-9689-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 03/29/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples S-45285-032812-SSH-BH16 (240-9689-1), S-45285-032812-SSH-BH12 (240-9689-2), S-45285-032812-SSH-BH15 (240-9689-3), S-45285-032812-SSH-BH32E (240-9689-4), S-45285-032812-SSH-BH12A (240-9689-5) and S-45285-032812-SSH-TB (240-9689-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 04/02/2012 and analyzed on 04/03/2012 and 04/04/2012.

Methyl acetate failed the recovery criteria high for the MS/MSD of sample S-45285-032812-SSH-BH32E(240-9689-4) in batch 240-39001.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| F | MS or MSD exceeds the control limits |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RL | Reporting Limit |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--------------------------|--------|----------------|----------------|
| 240-9689-1 | S-45285-032812-SSH-BH16 | Solid | 03/28/12 11:50 | 03/29/12 09:10 |
| 240-9689-2 | S-45285-032812-SSH-BH12 | Solid | 03/28/12 12:20 | 03/29/12 09:10 |
| 240-9689-3 | S-45285-032812-SSH-BH15 | Solid | 03/28/12 12:45 | 03/29/12 09:10 |
| 240-9689-4 | S-45285-032812-SSH-BH32E | Solid | 03/28/12 13:15 | 03/29/12 09:10 |
| 240-9689-5 | S-45285-032812-SSH-BH12A | Solid | 03/28/12 12:22 | 03/29/12 09:10 |
| 240-9689-6 | S-45285-032812-SSH-TB | Solid | 03/28/12 13:30 | 03/29/12 09:10 |

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Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Client Sample ID: S-45285-032812-SSH-BH16

Lab Sample ID: 240-9689-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|----|-----|-------|---------|---|--------|-----------|
| Trichloroethene | 24 | J | 44 | 11 | ug/Kg | 1 | ☼ | 8260B | Total/NA |

Client Sample ID: S-45285-032812-SSH-BH12

Lab Sample ID: 240-9689-2

No Detections

Client Sample ID: S-45285-032812-SSH-BH15

Lab Sample ID: 240-9689-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|----|-----|-------|---------|---|--------|-----------|
| Trichloroethene | 1000 | | 44 | 11 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 390 | | 44 | 7.6 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| trans-1,2-Dichloroethene | 12 | J | 44 | 10 | ug/Kg | 1 | ☼ | 8260B | Total/NA |

Client Sample ID: S-45285-032812-SSH-BH32E

Lab Sample ID: 240-9689-4

No Detections

Client Sample ID: S-45285-032812-SSH-BH12A

Lab Sample ID: 240-9689-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| 1,2,4-Trichlorobenzene | 14 | J | 200 | 7.3 | ug/Kg | 1 | | 8260B | Total/NA |

Client Sample ID: S-45285-032812-SSH-TB

Lab Sample ID: 240-9689-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Methyl acetate | 27 | J | 960 | 25 | ug/Kg | 1 | | 8260B | Total/NA |

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

| Method | Method Description | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL NC |
| Moisture | Percent Moisture | EPA | TAL NC |

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-BH16

Lab Sample ID: 240-9689-1

Date Collected: 03/28/12 11:50

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 90.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 660 | U | 660 | 190 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Benzene | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Bromodichloromethane | 89 | U | 89 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Bromoform | 89 | U | 89 | 21 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Bromomethane | 220 | U | 220 | 32 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 2-Butanone (MEK) | 660 | U | 660 | 48 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Carbon disulfide | 220 | U | 220 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Carbon tetrachloride | 44 | U | 44 | 7.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Chlorobenzene | 44 | U | 44 | 7.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Chloroethane | 220 | U | 220 | 68 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Chloroform | 44 | U | 44 | 9.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Chloromethane | 220 | U | 220 | 16 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,1-Dichloroethane | 44 | U | 44 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,2-Dichloroethane | 44 | U | 44 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,1-Dichloroethene | 44 | U | 44 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,2-Dichloropropane | 44 | U | 44 | 9.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| cis-1,3-Dichloropropene | 44 | U | 44 | 8.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| trans-1,3-Dichloropropene | 44 | U | 44 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Ethylbenzene | 44 | U | 44 | 6.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 2-Hexanone | 2200 | U | 2200 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Methylene Chloride | 220 | U | 220 | 85 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2200 | U | 2200 | 53 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Styrene | 44 | U | 44 | 6.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,1,2,2-Tetrachloroethane | 44 | U | 44 | 9.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Tetrachloroethene | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Toluene | 89 | U | 89 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Trichloroethene | 24 | J | 44 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Vinyl chloride | 35 | U | 35 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Xylenes, Total | 130 | U | 130 | 9.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,1,1-Trichloroethane | 44 | U | 44 | 23 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,1,2-Trichloroethane | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Cyclohexane | 1100 | U | 1100 | 44 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,2-Dibromo-3-Chloropropane | 220 | U | 220 | 55 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,2-Dibromoethane | 220 | U | 220 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Dichlorodifluoromethane | 89 | U | 89 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| cis-1,2-Dichloroethene | 44 | U | 44 | 7.6 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| trans-1,2-Dichloroethene | 44 | U | 44 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Isopropylbenzene | 220 | U | 220 | 7.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Methyl acetate | 1100 | U | 1100 | 28 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Methyl tert-butyl ether | 220 | U | 220 | 7.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 220 | U | 220 | 43 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,2,4-Trichlorobenzene | 220 | U | 220 | 8.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,2-Dichlorobenzene | 89 | U | 89 | 9.5 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,3-Dichlorobenzene | 89 | U | 89 | 5.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| 1,4-Dichlorobenzene | 89 | U | 89 | 8.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Trichlorofluoromethane | 89 | U | 89 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Dibromochloromethane | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Methylcyclohexane | 1100 | U | 1100 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/03/12 23:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 39 - 128 | 04/02/12 10:47 | 04/03/12 23:44 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-BH16

Date Collected: 03/28/12 11:50

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-1

Matrix: Solid

Percent Solids: 90.4

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 85 | | 26 - 141 | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Toluene-d8 (Surr) | 87 | | 33 - 134 | 04/02/12 10:47 | 04/03/12 23:44 | 1 |
| Dibromofluoromethane (Surr) | 73 | | 30 - 122 | 04/02/12 10:47 | 04/03/12 23:44 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-BH12

Date Collected: 03/28/12 12:20

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-2

Matrix: Solid

Percent Solids: 88.7

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 670 | U | 670 | 190 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Benzene | 45 | U | 45 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Bromodichloromethane | 90 | U | 90 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Bromoform | 90 | U | 90 | 21 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Bromomethane | 220 | U | 220 | 33 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 2-Butanone (MEK) | 670 | U | 670 | 48 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Carbon disulfide | 220 | U | 220 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Carbon tetrachloride | 45 | U | 45 | 7.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Chlorobenzene | 45 | U | 45 | 7.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Chloroethane | 220 | U | 220 | 69 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Chloroform | 45 | U | 45 | 9.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Chloromethane | 220 | U | 220 | 16 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,1-Dichloroethane | 45 | U | 45 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,2-Dichloroethane | 45 | U | 45 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,1-Dichloroethene | 45 | U | 45 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,2-Dichloropropane | 45 | U | 45 | 9.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| cis-1,3-Dichloropropene | 45 | U | 45 | 8.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| trans-1,3-Dichloropropene | 45 | U | 45 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Ethylbenzene | 45 | U | 45 | 6.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 2-Hexanone | 2200 | U | 2200 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Methylene Chloride | 220 | U | 220 | 87 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2200 | U | 2200 | 54 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Styrene | 45 | U | 45 | 6.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,1,2,2-Tetrachloroethane | 45 | U | 45 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Tetrachloroethene | 45 | U | 45 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Toluene | 90 | U | 90 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Trichloroethene | 45 | U | 45 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Vinyl chloride | 36 | U | 36 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Xylenes, Total | 130 | U | 130 | 9.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,1,1-Trichloroethane | 45 | U | 45 | 24 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,1,2-Trichloroethane | 45 | U | 45 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Cyclohexane | 1100 | U | 1100 | 45 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,2-Dibromo-3-Chloropropane | 220 | U | 220 | 56 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,2-Dibromoethane | 220 | U | 220 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Dichlorodifluoromethane | 90 | U | 90 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| cis-1,2-Dichloroethene | 45 | U | 45 | 7.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| trans-1,2-Dichloroethene | 45 | U | 45 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Isopropylbenzene | 220 | U | 220 | 7.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Methyl acetate | 1100 | U | 1100 | 28 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Methyl tert-butyl ether | 220 | U | 220 | 8.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 220 | U | 220 | 44 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,2,4-Trichlorobenzene | 220 | U | 220 | 8.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,2-Dichlorobenzene | 90 | U | 90 | 9.7 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,3-Dichlorobenzene | 90 | U | 90 | 5.4 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| 1,4-Dichlorobenzene | 90 | U | 90 | 9.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Trichlorofluoromethane | 90 | U | 90 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Dibromochloromethane | 45 | U | 45 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Methylcyclohexane | 1100 | U | 1100 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:08 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 39 - 128 | 04/02/12 10:47 | 04/04/12 00:08 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-BH12

Date Collected: 03/28/12 12:20

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-2

Matrix: Solid

Percent Solids: 88.7

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 26 - 141 | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Toluene-d8 (Surr) | 89 | | 33 - 134 | 04/02/12 10:47 | 04/04/12 00:08 | 1 |
| Dibromofluoromethane (Surr) | 72 | | 30 - 122 | 04/02/12 10:47 | 04/04/12 00:08 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-BH15

Date Collected: 03/28/12 12:45

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-3

Matrix: Solid

Percent Solids: 89.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 670 | U | 670 | 190 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Benzene | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Bromodichloromethane | 89 | U | 89 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Bromoform | 89 | U | 89 | 21 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Bromomethane | 220 | U | 220 | 32 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 2-Butanone (MEK) | 670 | U | 670 | 48 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Carbon disulfide | 220 | U | 220 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Carbon tetrachloride | 44 | U | 44 | 7.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Chlorobenzene | 44 | U | 44 | 7.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Chloroethane | 220 | U | 220 | 68 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Chloroform | 44 | U | 44 | 9.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Chloromethane | 220 | U | 220 | 16 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,1-Dichloroethane | 44 | U | 44 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,2-Dichloroethane | 44 | U | 44 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,1-Dichloroethene | 44 | U | 44 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,2-Dichloropropane | 44 | U | 44 | 9.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| cis-1,3-Dichloropropene | 44 | U | 44 | 8.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| trans-1,3-Dichloropropene | 44 | U | 44 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Ethylbenzene | 44 | U | 44 | 6.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 2-Hexanone | 2200 | U | 2200 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Methylene Chloride | 220 | U | 220 | 85 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2200 | U | 2200 | 53 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Styrene | 44 | U | 44 | 6.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,1,2,2-Tetrachloroethane | 44 | U | 44 | 9.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Tetrachloroethene | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Toluene | 89 | U | 89 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Trichloroethene | 1000 | | 44 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Vinyl chloride | 35 | U | 35 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Xylenes, Total | 130 | U | 130 | 9.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,1,1-Trichloroethane | 44 | U | 44 | 23 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,1,2-Trichloroethane | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Cyclohexane | 1100 | U | 1100 | 44 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,2-Dibromo-3-Chloropropane | 220 | U | 220 | 55 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,2-Dibromoethane | 220 | U | 220 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Dichlorodifluoromethane | 89 | U | 89 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| cis-1,2-Dichloroethene | 390 | | 44 | 7.6 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| trans-1,2-Dichloroethene | 12 | J | 44 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Isopropylbenzene | 220 | U | 220 | 7.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Methyl acetate | 1100 | U | 1100 | 28 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Methyl tert-butyl ether | 220 | U | 220 | 7.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 220 | U | 220 | 43 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,2,4-Trichlorobenzene | 220 | U | 220 | 8.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,2-Dichlorobenzene | 89 | U | 89 | 9.5 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,3-Dichlorobenzene | 89 | U | 89 | 5.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| 1,4-Dichlorobenzene | 89 | U | 89 | 8.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Trichlorofluoromethane | 89 | U | 89 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Dibromochloromethane | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Methylcyclohexane | 1100 | U | 1100 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:32 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 39 - 128 | 04/02/12 10:47 | 04/04/12 00:32 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-BH15

Date Collected: 03/28/12 12:45

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-3

Matrix: Solid

Percent Solids: 89.9

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88 | | 26 - 141 | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Toluene-d8 (Surr) | 89 | | 33 - 134 | 04/02/12 10:47 | 04/04/12 00:32 | 1 |
| Dibromofluoromethane (Surr) | 72 | | 30 - 122 | 04/02/12 10:47 | 04/04/12 00:32 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-BH32E

Lab Sample ID: 240-9689-4

Date Collected: 03/28/12 13:15

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 90.5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 660 | U | 660 | 190 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Benzene | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Bromodichloromethane | 89 | U | 89 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Bromoform | 89 | U | 89 | 21 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Bromomethane | 220 | U | 220 | 32 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 2-Butanone (MEK) | 660 | U | 660 | 48 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Carbon disulfide | 220 | U | 220 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Carbon tetrachloride | 44 | U | 44 | 7.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Chlorobenzene | 44 | U | 44 | 7.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Chloroethane | 220 | U | 220 | 68 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Chloroform | 44 | U | 44 | 9.7 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Chloromethane | 220 | U | 220 | 15 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,1-Dichloroethane | 44 | U | 44 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,2-Dichloroethane | 44 | U | 44 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,1-Dichloroethene | 44 | U | 44 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,2-Dichloropropane | 44 | U | 44 | 9.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| cis-1,3-Dichloropropene | 44 | U | 44 | 8.7 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| trans-1,3-Dichloropropene | 44 | U | 44 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Ethylbenzene | 44 | U | 44 | 6.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 2-Hexanone | 2200 | U | 2200 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Methylene Chloride | 220 | U | 220 | 85 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2200 | U | 2200 | 53 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Styrene | 44 | U | 44 | 6.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,1,2,2-Tetrachloroethane | 44 | U | 44 | 9.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Tetrachloroethene | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Toluene | 89 | U | 89 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Trichloroethene | 44 | U | 44 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Vinyl chloride | 35 | U | 35 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Xylenes, Total | 130 | U | 130 | 9.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,1,1-Trichloroethane | 44 | U | 44 | 23 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,1,2-Trichloroethane | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Cyclohexane | 1100 | U | 1100 | 44 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,2-Dibromo-3-Chloropropane | 220 | U | 220 | 55 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,2-Dibromoethane | 220 | U | 220 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Dichlorodifluoromethane | 89 | U | 89 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| cis-1,2-Dichloroethene | 44 | U | 44 | 7.6 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| trans-1,2-Dichloroethene | 44 | U | 44 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Isopropylbenzene | 220 | U | 220 | 7.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Methyl acetate | 1100 | U | 1100 | 28 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Methyl tert-butyl ether | 220 | U | 220 | 7.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 220 | U | 220 | 43 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,2,4-Trichlorobenzene | 220 | U | 220 | 8.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,2-Dichlorobenzene | 89 | U | 89 | 9.5 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,3-Dichlorobenzene | 89 | U | 89 | 5.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| 1,4-Dichlorobenzene | 89 | U | 89 | 8.9 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Trichlorofluoromethane | 89 | U | 89 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Dibromochloromethane | 44 | U | 44 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Methylcyclohexane | 1100 | U | 1100 | 13 | ug/Kg | ☼ | 04/02/12 10:47 | 04/04/12 00:56 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 39 - 128 | 04/02/12 10:47 | 04/04/12 00:56 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-BH32E

Date Collected: 03/28/12 13:15

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-4

Matrix: Solid

Percent Solids: 90.5

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86 | | 26 - 141 | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Toluene-d8 (Surr) | 89 | | 33 - 134 | 04/02/12 10:47 | 04/04/12 00:56 | 1 |
| Dibromofluoromethane (Surr) | 72 | | 30 - 122 | 04/02/12 10:47 | 04/04/12 00:56 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-BH12A

Lab Sample ID: 240-9689-5

Date Collected: 03/28/12 12:22

Matrix: Solid

Date Received: 03/29/12 09:10

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 600 | U | 600 | 170 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Benzene | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Bromodichloromethane | 80 | U | 80 | 9.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Bromoform | 80 | U | 80 | 19 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Bromomethane | 200 | U | 200 | 29 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 2-Butanone (MEK) | 600 | U | 600 | 43 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Carbon disulfide | 200 | U | 200 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Carbon tetrachloride | 40 | U | 40 | 6.4 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Chlorobenzene | 40 | U | 40 | 6.4 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Chloroethane | 200 | U | 200 | 61 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Chloroform | 40 | U | 40 | 8.8 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Chloromethane | 200 | U | 200 | 14 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,1-Dichloroethane | 40 | U | 40 | 17 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,2-Dichloroethane | 40 | U | 40 | 10 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,1-Dichloroethene | 40 | U | 40 | 18 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,2-Dichloropropane | 40 | U | 40 | 8.2 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| cis-1,3-Dichloropropene | 40 | U | 40 | 7.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| trans-1,3-Dichloropropene | 40 | U | 40 | 20 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Ethylbenzene | 40 | U | 40 | 5.4 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 2-Hexanone | 2000 | U | 2000 | 20 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Methylene Chloride | 200 | U | 200 | 77 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2000 | U | 2000 | 48 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Styrene | 40 | U | 40 | 5.6 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,1,2,2-Tetrachloroethane | 40 | U | 40 | 8.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Tetrachloroethene | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Toluene | 80 | U | 80 | 17 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Trichloroethene | 40 | U | 40 | 9.7 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Vinyl chloride | 32 | U | 32 | 18 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Xylenes, Total | 120 | U | 120 | 8.1 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,1,1-Trichloroethane | 40 | U | 40 | 21 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,1,2-Trichloroethane | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Cyclohexane | 960 | U | 960 | 40 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,2-Dibromo-3-Chloropropane | 200 | U | 200 | 50 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,2-Dibromoethane | 200 | U | 200 | 10 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Dichlorodifluoromethane | 80 | U | 80 | 16 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| cis-1,2-Dichloroethene | 40 | U | 40 | 6.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| trans-1,2-Dichloroethene | 40 | U | 40 | 9.2 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Isopropylbenzene | 200 | U | 200 | 6.5 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Methyl acetate | 960 | U | 960 | 25 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Methyl tert-butyl ether | 200 | U | 200 | 7.1 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 200 | U | 200 | 39 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,2,4-Trichlorobenzene | 14 | J | 200 | 7.3 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,2-Dichlorobenzene | 80 | U | 80 | 8.6 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,3-Dichlorobenzene | 80 | U | 80 | 4.8 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| 1,4-Dichlorobenzene | 80 | U | 80 | 8.0 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Trichlorofluoromethane | 80 | U | 80 | 16 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Dibromochloromethane | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Methylcyclohexane | 960 | U | 960 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:09 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 39 - 128 | 04/02/12 10:47 | 04/04/12 02:09 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-BH12A

Date Collected: 03/28/12 12:22

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-5

Matrix: Solid

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 85 | | 26 - 141 | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Toluene-d8 (Surr) | 87 | | 33 - 134 | 04/02/12 10:47 | 04/04/12 02:09 | 1 |
| Dibromofluoromethane (Surr) | 72 | | 30 - 122 | 04/02/12 10:47 | 04/04/12 02:09 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-TB

Lab Sample ID: 240-9689-6

Date Collected: 03/28/12 13:30

Matrix: Solid

Date Received: 03/29/12 09:10

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acetone | 600 | U | 600 | 170 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Benzene | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Bromodichloromethane | 80 | U | 80 | 9.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Bromoform | 80 | U | 80 | 19 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Bromomethane | 200 | U | 200 | 29 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 2-Butanone (MEK) | 600 | U | 600 | 43 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Carbon disulfide | 200 | U | 200 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Carbon tetrachloride | 40 | U | 40 | 6.4 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Chlorobenzene | 40 | U | 40 | 6.4 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Chloroethane | 200 | U | 200 | 61 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Chloroform | 40 | U | 40 | 8.8 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Chloromethane | 200 | U | 200 | 14 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,1-Dichloroethane | 40 | U | 40 | 17 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,2-Dichloroethane | 40 | U | 40 | 10 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,1-Dichloroethene | 40 | U | 40 | 18 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,2-Dichloropropane | 40 | U | 40 | 8.2 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| cis-1,3-Dichloropropene | 40 | U | 40 | 7.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| trans-1,3-Dichloropropene | 40 | U | 40 | 20 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Ethylbenzene | 40 | U | 40 | 5.4 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 2-Hexanone | 2000 | U | 2000 | 20 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Methylene Chloride | 200 | U | 200 | 77 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2000 | U | 2000 | 48 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Styrene | 40 | U | 40 | 5.6 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,1,2,2-Tetrachloroethane | 40 | U | 40 | 8.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Tetrachloroethene | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Toluene | 80 | U | 80 | 17 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Trichloroethene | 40 | U | 40 | 9.7 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Vinyl chloride | 32 | U | 32 | 18 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Xylenes, Total | 120 | U | 120 | 8.1 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,1,1-Trichloroethane | 40 | U | 40 | 21 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,1,2-Trichloroethane | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Cyclohexane | 960 | U | 960 | 40 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,2-Dibromo-3-Chloropropane | 200 | U | 200 | 50 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,2-Dibromoethane | 200 | U | 200 | 10 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Dichlorodifluoromethane | 80 | U | 80 | 16 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| cis-1,2-Dichloroethene | 40 | U | 40 | 6.9 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| trans-1,2-Dichloroethene | 40 | U | 40 | 9.2 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Isopropylbenzene | 200 | U | 200 | 6.5 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Methyl acetate | 27 | J | 960 | 25 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Methyl tert-butyl ether | 200 | U | 200 | 7.1 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 200 | U | 200 | 39 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,2,4-Trichlorobenzene | 200 | U | 200 | 7.3 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,2-Dichlorobenzene | 80 | U | 80 | 8.6 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,3-Dichlorobenzene | 80 | U | 80 | 4.8 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| 1,4-Dichlorobenzene | 80 | U | 80 | 8.0 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Trichlorofluoromethane | 80 | U | 80 | 16 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Dibromochloromethane | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Methylcyclohexane | 960 | U | 960 | 12 | ug/Kg | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 39 - 128 | | | | 04/02/12 10:47 | 04/04/12 02:33 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-TB

Date Collected: 03/28/12 13:30

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-6

Matrix: Solid

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84 | | 26 - 141 | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Toluene-d8 (Surr) | 86 | | 33 - 134 | 04/02/12 10:47 | 04/04/12 02:33 | 1 |
| Dibromofluoromethane (Surr) | 70 | | 30 - 122 | 04/02/12 10:47 | 04/04/12 02:33 | 1 |

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

GC/MS VOA

Prep Batch: 38785

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------------|-----------|--------|--------|------------|
| 240-9689-1 | S-45285-032812-SSH-BH16 | Total/NA | Solid | 5035 | |
| 240-9689-2 | S-45285-032812-SSH-BH12 | Total/NA | Solid | 5035 | |
| 240-9689-3 | S-45285-032812-SSH-BH15 | Total/NA | Solid | 5035 | |
| 240-9689-4 | S-45285-032812-SSH-BH32E | Total/NA | Solid | 5035 | |
| 240-9689-4 MS | S-45285-032812-SSH-BH32E | Total/NA | Solid | 5035 | |
| 240-9689-4 MSD | S-45285-032812-SSH-BH32E | Total/NA | Solid | 5035 | |
| 240-9689-5 | S-45285-032812-SSH-BH12A | Total/NA | Solid | 5035 | |
| 240-9689-6 | S-45285-032812-SSH-TB | Total/NA | Solid | 5035 | |
| LCS 240-38785/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| MB 240-38785/1-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 39001

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------------|-----------|--------|--------|------------|
| 240-9689-1 | S-45285-032812-SSH-BH16 | Total/NA | Solid | 8260B | 38785 |
| 240-9689-2 | S-45285-032812-SSH-BH12 | Total/NA | Solid | 8260B | 38785 |
| 240-9689-3 | S-45285-032812-SSH-BH15 | Total/NA | Solid | 8260B | 38785 |
| 240-9689-4 | S-45285-032812-SSH-BH32E | Total/NA | Solid | 8260B | 38785 |
| 240-9689-4 MS | S-45285-032812-SSH-BH32E | Total/NA | Solid | 8260B | 38785 |
| 240-9689-4 MSD | S-45285-032812-SSH-BH32E | Total/NA | Solid | 8260B | 38785 |
| 240-9689-5 | S-45285-032812-SSH-BH12A | Total/NA | Solid | 8260B | 38785 |
| 240-9689-6 | S-45285-032812-SSH-TB | Total/NA | Solid | 8260B | 38785 |
| LCS 240-38785/2-A | Lab Control Sample | Total/NA | Solid | 8260B | 38785 |
| MB 240-38785/1-A | Method Blank | Total/NA | Solid | 8260B | 38785 |

General Chemistry

Analysis Batch: 38631

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--------------------------|-----------|--------|----------|------------|
| 240-9689-1 | S-45285-032812-SSH-BH16 | Total/NA | Solid | Moisture | |
| 240-9689-2 | S-45285-032812-SSH-BH12 | Total/NA | Solid | Moisture | |
| 240-9689-3 | S-45285-032812-SSH-BH15 | Total/NA | Solid | Moisture | |
| 240-9689-4 | S-45285-032812-SSH-BH32E | Total/NA | Solid | Moisture | |
| 240-9689-4 DU | S-45285-032812-SSH-BH32E | Total/NA | Solid | Moisture | |

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-38785/1-A

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38785

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 600 | U | 600 | 170 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Benzene | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Bromodichloromethane | 80 | U | 80 | 9.9 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Bromoform | 80 | U | 80 | 19 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Bromomethane | 200 | U | 200 | 29 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 2-Butanone (MEK) | 600 | U | 600 | 43 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Carbon disulfide | 200 | U | 200 | 12 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Carbon tetrachloride | 40 | U | 40 | 6.4 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Chlorobenzene | 40 | U | 40 | 6.4 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Chloroethane | 200 | U | 200 | 61 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Chloroform | 40 | U | 40 | 8.8 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Chloromethane | 200 | U | 200 | 14 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,1-Dichloroethane | 40 | U | 40 | 17 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,2-Dichloroethane | 40 | U | 40 | 10 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,1-Dichloroethene | 40 | U | 40 | 18 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,2-Dichloropropane | 40 | U | 40 | 8.2 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| cis-1,3-Dichloropropene | 40 | U | 40 | 7.9 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| trans-1,3-Dichloropropene | 40 | U | 40 | 20 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Ethylbenzene | 40 | U | 40 | 5.4 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 2-Hexanone | 2000 | U | 2000 | 20 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Methylene Chloride | 200 | U | 200 | 77 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2000 | U | 2000 | 48 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Styrene | 40 | U | 40 | 5.6 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,1,2,2-Tetrachloroethane | 40 | U | 40 | 8.9 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Tetrachloroethene | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Toluene | 80 | U | 80 | 17 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Trichloroethene | 40 | U | 40 | 9.7 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Vinyl chloride | 32 | U | 32 | 18 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Xylenes, Total | 120 | U | 120 | 8.1 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,1,1-Trichloroethane | 40 | U | 40 | 21 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,1,2-Trichloroethane | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Cyclohexane | 960 | U | 960 | 40 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,2-Dibromo-3-Chloropropane | 200 | U | 200 | 50 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,2-Dibromoethane | 200 | U | 200 | 10 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Dichlorodifluoromethane | 80 | U | 80 | 16 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| cis-1,2-Dichloroethene | 40 | U | 40 | 6.9 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| trans-1,2-Dichloroethene | 40 | U | 40 | 9.2 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Isopropylbenzene | 200 | U | 200 | 6.5 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Methyl acetate | 960 | U | 960 | 25 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Methyl tert-butyl ether | 200 | U | 200 | 7.1 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 200 | U | 200 | 39 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,2,4-Trichlorobenzene | 200 | U | 200 | 7.3 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,2-Dichlorobenzene | 80 | U | 80 | 8.6 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,3-Dichlorobenzene | 80 | U | 80 | 4.8 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 1,4-Dichlorobenzene | 80 | U | 80 | 8.0 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Trichlorofluoromethane | 80 | U | 80 | 16 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Dibromochloromethane | 40 | U | 40 | 12 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Methylcyclohexane | 960 | U | 960 | 12 | ug/Kg | | 04/02/12 10:36 | 04/03/12 18:57 | 1 |

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-38785/1-A

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38785

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 39 - 128 | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 26 - 141 | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Toluene-d8 (Surr) | 88 | | 33 - 134 | 04/02/12 10:36 | 04/03/12 18:57 | 1 |
| Dibromofluoromethane (Surr) | 75 | | 30 - 122 | 04/02/12 10:36 | 04/03/12 18:57 | 1 |

Lab Sample ID: LCS 240-38785/2-A

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38785

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|-----------------------------|-------------|------------|---------------|-------|---|------|----------|
| | | | | | | | Limits |
| Acetone | 1000 | 1070 | | ug/Kg | | 107 | 16 - 156 |
| Benzene | 500 | 510 | | ug/Kg | | 102 | 70 - 117 |
| Bromodichloromethane | 500 | 416 | | ug/Kg | | 83 | 28 - 123 |
| Bromoform | 500 | 283 | | ug/Kg | | 57 | 10 - 117 |
| Bromomethane | 500 | 477 | | ug/Kg | | 95 | 10 - 114 |
| 2-Butanone (MEK) | 1000 | 1120 | | ug/Kg | | 112 | 10 - 199 |
| Carbon disulfide | 500 | 431 | | ug/Kg | | 86 | 10 - 132 |
| Carbon tetrachloride | 500 | 447 | | ug/Kg | | 89 | 29 - 118 |
| Chlorobenzene | 500 | 483 | | ug/Kg | | 97 | 71 - 116 |
| Chloroethane | 500 | 595 | | ug/Kg | | 119 | 10 - 120 |
| Chloroform | 500 | 447 | | ug/Kg | | 89 | 63 - 116 |
| Chloromethane | 500 | 489 | | ug/Kg | | 98 | 25 - 110 |
| 1,1-Dichloroethane | 500 | 515 | | ug/Kg | | 103 | 63 - 117 |
| 1,2-Dichloroethane | 500 | 492 | | ug/Kg | | 98 | 68 - 119 |
| 1,1-Dichloroethene | 500 | 515 | | ug/Kg | | 103 | 44 - 143 |
| 1,2-Dichloropropane | 500 | 535 | | ug/Kg | | 107 | 73 - 113 |
| cis-1,3-Dichloropropene | 500 | 429 | | ug/Kg | | 86 | 25 - 120 |
| trans-1,3-Dichloropropene | 500 | 457 | | ug/Kg | | 91 | 22 - 122 |
| Ethylbenzene | 500 | 482 | | ug/Kg | | 96 | 66 - 119 |
| 2-Hexanone | 1000 | 1290 | J | ug/Kg | | 129 | 43 - 130 |
| Methylene Chloride | 500 | 520 | | ug/Kg | | 104 | 27 - 172 |
| 4-Methyl-2-pentanone (MIBK) | 1000 | 1170 | J | ug/Kg | | 117 | 49 - 121 |
| Styrene | 500 | 491 | | ug/Kg | | 98 | 60 - 120 |
| 1,1,2,2-Tetrachloroethane | 500 | 555 | | ug/Kg | | 111 | 54 - 121 |
| Tetrachloroethene | 500 | 458 | | ug/Kg | | 92 | 58 - 131 |
| Toluene | 500 | 500 | | ug/Kg | | 100 | 66 - 123 |
| Trichloroethene | 500 | 469 | | ug/Kg | | 94 | 59 - 124 |
| Vinyl chloride | 500 | 431 | | ug/Kg | | 86 | 33 - 110 |
| Xylenes, Total | 1500 | 1450 | | ug/Kg | | 97 | 68 - 119 |
| 1,1,1-Trichloroethane | 500 | 479 | | ug/Kg | | 96 | 38 - 122 |
| 1,1,2-Trichloroethane | 500 | 515 | | ug/Kg | | 103 | 74 - 114 |
| Cyclohexane | 500 | 590 | J | ug/Kg | | 118 | 40 - 120 |
| 1,2-Dibromo-3-Chloropropane | 500 | 358 | | ug/Kg | | 72 | 10 - 129 |
| 1,2-Dibromoethane | 500 | 466 | | ug/Kg | | 93 | 47 - 123 |
| Dichlorodifluoromethane | 500 | 356 | | ug/Kg | | 71 | 10 - 110 |
| cis-1,2-Dichloroethene | 500 | 490 | | ug/Kg | | 98 | 60 - 125 |
| trans-1,2-Dichloroethene | 500 | 520 | | ug/Kg | | 104 | 58 - 121 |
| Isopropylbenzene | 500 | 490 | | ug/Kg | | 98 | 61 - 123 |
| Methyl acetate | 500 | 690 | J | ug/Kg | | 138 | 44 - 173 |

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-38785/2-A

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38785

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Methyl tert-butyl ether | 500 | 510 | | ug/Kg | | 102 | 34 - 157 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 500 | 500 | | ug/Kg | | 100 | 48 - 151 |
| 1,2,4-Trichlorobenzene | 500 | 458 | | ug/Kg | | 92 | 41 - 135 |
| 1,2-Dichlorobenzene | 500 | 498 | | ug/Kg | | 100 | 68 - 118 |
| 1,3-Dichlorobenzene | 500 | 505 | | ug/Kg | | 101 | 66 - 121 |
| 1,4-Dichlorobenzene | 500 | 486 | | ug/Kg | | 97 | 65 - 119 |
| Trichlorofluoromethane | 500 | 487 | | ug/Kg | | 97 | 17 - 145 |
| Dibromochloromethane | 500 | 348 | | ug/Kg | | 70 | 22 - 113 |
| Methylcyclohexane | 500 | 515 | J | ug/Kg | | 103 | 41 - 133 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 39 - 128 |
| 4-Bromofluorobenzene (Surr) | 85 | | 26 - 141 |
| Toluene-d8 (Surr) | 86 | | 33 - 134 |
| Dibromofluoromethane (Surr) | 74 | | 30 - 122 |

Lab Sample ID: 240-9689-4 MS

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: S-45285-032812-SSH-BH32E

Prep Type: Total/NA

Prep Batch: 38785

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Acetone | 660 | U | 972 | 1060 | | ug/Kg | ☼ | 109 | 10 - 142 |
| Benzene | 44 | U | 486 | 469 | | ug/Kg | ☼ | 96 | 10 - 199 |
| Bromodichloromethane | 89 | U | 486 | 340 | | ug/Kg | ☼ | 70 | 18 - 133 |
| Bromoform | 89 | U | 486 | 219 | | ug/Kg | ☼ | 45 | 10 - 147 |
| Bromomethane | 220 | U | 486 | 432 | | ug/Kg | ☼ | 89 | 10 - 151 |
| 2-Butanone (MEK) | 660 | U | 972 | 975 | | ug/Kg | ☼ | 100 | 10 - 172 |
| Carbon disulfide | 220 | U | 486 | 364 | | ug/Kg | ☼ | 75 | 10 - 155 |
| Carbon tetrachloride | 44 | U | 486 | 369 | | ug/Kg | ☼ | 76 | 12 - 135 |
| Chlorobenzene | 44 | U | 486 | 444 | | ug/Kg | ☼ | 91 | 47 - 118 |
| Chloroethane | 220 | U | 486 | 530 | | ug/Kg | ☼ | 109 | 10 - 168 |
| Chloroform | 44 | U | 486 | 398 | | ug/Kg | ☼ | 82 | 51 - 120 |
| Chloromethane | 220 | U | 486 | 440 | | ug/Kg | ☼ | 91 | 16 - 115 |
| 1,1-Dichloroethane | 44 | U | 486 | 462 | | ug/Kg | ☼ | 95 | 18 - 160 |
| 1,2-Dichloroethane | 44 | U | 486 | 457 | | ug/Kg | ☼ | 94 | 25 - 150 |
| 1,1-Dichloroethene | 44 | U | 486 | 456 | | ug/Kg | ☼ | 94 | 10 - 179 |
| 1,2-Dichloropropane | 44 | U | 486 | 474 | | ug/Kg | ☼ | 98 | 58 - 118 |
| cis-1,3-Dichloropropene | 44 | U | 486 | 357 | | ug/Kg | ☼ | 73 | 19 - 121 |
| trans-1,3-Dichloropropene | 44 | U | 486 | 385 | | ug/Kg | ☼ | 79 | 10 - 136 |
| Ethylbenzene | 44 | U | 486 | 441 | | ug/Kg | ☼ | 91 | 27 - 143 |
| 2-Hexanone | 2200 | U | 972 | 1160 | J | ug/Kg | ☼ | 120 | 21 - 141 |
| Methylene Chloride | 220 | U | 486 | 483 | | ug/Kg | ☼ | 99 | 10 - 148 |
| 4-Methyl-2-pentanone (MIBK) | 2200 | U | 972 | 1080 | J | ug/Kg | ☼ | 111 | 19 - 151 |
| Styrene | 44 | U | 486 | 446 | | ug/Kg | ☼ | 92 | 31 - 137 |
| 1,1,2,2-Tetrachloroethane | 44 | U | 486 | 453 | | ug/Kg | ☼ | 93 | 16 - 158 |
| Tetrachloroethene | 44 | U | 486 | 418 | | ug/Kg | ☼ | 86 | 19 - 153 |
| Toluene | 89 | U | 486 | 471 | | ug/Kg | ☼ | 97 | 10 - 168 |
| Trichloroethene | 44 | U | 486 | 447 | | ug/Kg | ☼ | 92 | 10 - 193 |
| Vinyl chloride | 35 | U | 486 | 371 | | ug/Kg | ☼ | 76 | 15 - 123 |

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-9689-4 MS

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: S-45285-032812-SSH-BH32E

Prep Type: Total/NA

Prep Batch: 38785

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. | Limits |
|---------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | |
| Xylenes, Total | 130 | U | 1460 | 1330 | | ug/Kg | * | 91 | 16 - 150 | |
| 1,1,1-Trichloroethane | 44 | U | 486 | 406 | | ug/Kg | * | 83 | 10 - 159 | |
| 1,1,2-Trichloroethane | 44 | U | 486 | 461 | | ug/Kg | * | 95 | 34 - 152 | |
| Cyclohexane | 1100 | U | 486 | 403 | J | ug/Kg | * | 83 | 10 - 154 | |
| 1,2-Dibromo-3-Chloropropane | 220 | U | 486 | 290 | | ug/Kg | * | 60 | 10 - 137 | |
| 1,2-Dibromoethane | 220 | U | 486 | 443 | | ug/Kg | * | 91 | 32 - 127 | |
| Dichlorodifluoromethane | 89 | U | 486 | 238 | | ug/Kg | * | 49 | 10 - 113 | |
| cis-1,2-Dichloroethene | 44 | U | 486 | 457 | | ug/Kg | * | 94 | 34 - 137 | |
| trans-1,2-Dichloroethene | 44 | U | 486 | 461 | | ug/Kg | * | 95 | 40 - 126 | |
| Isopropylbenzene | 220 | U | 486 | 453 | | ug/Kg | * | 93 | 39 - 126 | |
| Methyl acetate | 1100 | U | 486 | 870 | J F | ug/Kg | * | 179 | 10 - 175 | |
| Methyl tert-butyl ether | 220 | U | 486 | 459 | | ug/Kg | * | 95 | 26 - 159 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 220 | U | 486 | 399 | | ug/Kg | * | 82 | 23 - 168 | |
| 1,2,4-Trichlorobenzene | 220 | U | 486 | 418 | | ug/Kg | * | 86 | 10 - 136 | |
| 1,2-Dichlorobenzene | 89 | U | 486 | 460 | | ug/Kg | * | 95 | 27 - 126 | |
| 1,3-Dichlorobenzene | 89 | U | 486 | 471 | | ug/Kg | * | 97 | 29 - 124 | |
| 1,4-Dichlorobenzene | 89 | U | 486 | 457 | | ug/Kg | * | 94 | 30 - 123 | |
| Trichlorofluoromethane | 89 | U | 486 | 398 | | ug/Kg | * | 82 | 10 - 157 | |
| Dibromochloromethane | 44 | U | 486 | 274 | | ug/Kg | * | 56 | 10 - 128 | |
| Methylcyclohexane | 1100 | U | 486 | 386 | J | ug/Kg | * | 79 | 11 - 156 | |

| Surrogate | MS %Recovery | MS Qualifier | MS Limits |
|------------------------------|--------------|--------------|-----------|
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 39 - 128 |
| 4-Bromofluorobenzene (Surr) | 86 | | 26 - 141 |
| Toluene-d8 (Surr) | 85 | | 33 - 134 |
| Dibromofluoromethane (Surr) | 71 | | 30 - 122 |

Lab Sample ID: 240-9689-4 MSD

Matrix: Solid

Analysis Batch: 39001

Client Sample ID: S-45285-032812-SSH-BH32E

Prep Type: Total/NA

Prep Batch: 38785

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | Limits | RPD | Limit |
|-------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | | |
| Acetone | 660 | U | 926 | 1060 | | ug/Kg | * | 115 | 10 - 142 | 0 | 30 | |
| Benzene | 44 | U | 463 | 471 | | ug/Kg | * | 102 | 10 - 199 | 0 | 30 | |
| Bromodichloromethane | 89 | U | 463 | 352 | | ug/Kg | * | 76 | 18 - 133 | 4 | 30 | |
| Bromoform | 89 | U | 463 | 220 | | ug/Kg | * | 47 | 10 - 147 | 0 | 30 | |
| Bromomethane | 220 | U | 463 | 428 | | ug/Kg | * | 92 | 10 - 151 | 1 | 30 | |
| 2-Butanone (MEK) | 660 | U | 926 | 964 | | ug/Kg | * | 104 | 10 - 172 | 1 | 30 | |
| Carbon disulfide | 220 | U | 463 | 384 | | ug/Kg | * | 83 | 10 - 155 | 5 | 30 | |
| Carbon tetrachloride | 44 | U | 463 | 392 | | ug/Kg | * | 85 | 12 - 135 | 6 | 30 | |
| Chlorobenzene | 44 | U | 463 | 438 | | ug/Kg | * | 95 | 47 - 118 | 1 | 30 | |
| Chloroethane | 220 | U | 463 | 548 | | ug/Kg | * | 118 | 10 - 168 | 3 | 30 | |
| Chloroform | 44 | U | 463 | 417 | | ug/Kg | * | 90 | 51 - 120 | 5 | 30 | |
| Chloromethane | 220 | U | 463 | 447 | | ug/Kg | * | 97 | 16 - 115 | 2 | 30 | |
| 1,1-Dichloroethane | 44 | U | 463 | 481 | | ug/Kg | * | 104 | 18 - 160 | 4 | 30 | |
| 1,2-Dichloroethane | 44 | U | 463 | 467 | | ug/Kg | * | 101 | 25 - 150 | 2 | 30 | |
| 1,1-Dichloroethene | 44 | U | 463 | 463 | | ug/Kg | * | 100 | 10 - 179 | 2 | 30 | |
| 1,2-Dichloropropane | 44 | U | 463 | 473 | | ug/Kg | * | 102 | 58 - 118 | 0 | 30 | |
| cis-1,3-Dichloropropene | 44 | U | 463 | 374 | | ug/Kg | * | 81 | 19 - 121 | 5 | 30 | |

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-9689-4 MSD

Client Sample ID: S-45285-032812-SSH-BH32E

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 39001

Prep Batch: 38785

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | |
|---------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | RPD | Limit |
| trans-1,3-Dichloropropene | 44 | U | 463 | 383 | | ug/Kg | * | 83 | 10 - 136 | 1 | 30 |
| Ethylbenzene | 44 | U | 463 | 430 | | ug/Kg | * | 93 | 27 - 143 | 2 | 30 |
| 2-Hexanone | 2200 | U | 926 | 1110 | J | ug/Kg | * | 120 | 21 - 141 | 5 | 30 |
| Methylene Chloride | 220 | U | 463 | 496 | | ug/Kg | * | 107 | 10 - 148 | 3 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 2200 | U | 926 | 1070 | J | ug/Kg | * | 115 | 19 - 151 | 1 | 30 |
| Styrene | 44 | U | 463 | 443 | | ug/Kg | * | 96 | 31 - 137 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | 44 | U | 463 | 460 | | ug/Kg | * | 99 | 16 - 158 | 1 | 30 |
| Tetrachloroethene | 44 | U | 463 | 413 | | ug/Kg | * | 89 | 19 - 153 | 1 | 30 |
| Toluene | 89 | U | 463 | 460 | | ug/Kg | * | 99 | 10 - 168 | 2 | 30 |
| Trichloroethene | 44 | U | 463 | 445 | | ug/Kg | * | 96 | 10 - 193 | 0 | 30 |
| Vinyl chloride | 35 | U | 463 | 375 | | ug/Kg | * | 81 | 15 - 123 | 1 | 30 |
| Xylenes, Total | 130 | U | 1390 | 1320 | | ug/Kg | * | 95 | 16 - 150 | 1 | 30 |
| 1,1,1-Trichloroethane | 44 | U | 463 | 426 | | ug/Kg | * | 92 | 10 - 159 | 5 | 30 |
| 1,1,2-Trichloroethane | 44 | U | 463 | 459 | | ug/Kg | * | 99 | 34 - 152 | 0 | 30 |
| Cyclohexane | 1100 | U | 463 | 413 | J | ug/Kg | * | 89 | 10 - 154 | 2 | 30 |
| 1,2-Dibromo-3-Chloropropane | 220 | U | 463 | 267 | | ug/Kg | * | 58 | 10 - 137 | 8 | 30 |
| 1,2-Dibromoethane | 220 | U | 463 | 401 | | ug/Kg | * | 87 | 32 - 127 | 10 | 30 |
| Dichlorodifluoromethane | 89 | U | 463 | 249 | | ug/Kg | * | 54 | 10 - 113 | 5 | 30 |
| cis-1,2-Dichloroethene | 44 | U | 463 | 449 | | ug/Kg | * | 97 | 34 - 137 | 2 | 30 |
| trans-1,2-Dichloroethene | 44 | U | 463 | 472 | | ug/Kg | * | 102 | 40 - 126 | 2 | 30 |
| Isopropylbenzene | 220 | U | 463 | 440 | | ug/Kg | * | 95 | 39 - 126 | 3 | 30 |
| Methyl acetate | 1100 | U | 463 | 816 | J F | ug/Kg | * | 176 | 10 - 175 | 6 | 30 |
| Methyl tert-butyl ether | 220 | U | 463 | 467 | | ug/Kg | * | 101 | 26 - 159 | 2 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 220 | U | 463 | 381 | | ug/Kg | * | 82 | 23 - 168 | 5 | 30 |
| 1,2,4-Trichlorobenzene | 220 | U | 463 | 425 | | ug/Kg | * | 92 | 10 - 136 | 2 | 30 |
| 1,2-Dichlorobenzene | 89 | U | 463 | 457 | | ug/Kg | * | 99 | 27 - 126 | 1 | 30 |
| 1,3-Dichlorobenzene | 89 | U | 463 | 463 | | ug/Kg | * | 100 | 29 - 124 | 2 | 30 |
| 1,4-Dichlorobenzene | 89 | U | 463 | 440 | | ug/Kg | * | 95 | 30 - 123 | 4 | 30 |
| Trichlorofluoromethane | 89 | U | 463 | 396 | | ug/Kg | * | 85 | 10 - 157 | 1 | 30 |
| Dibromochloromethane | 44 | U | 463 | 280 | | ug/Kg | * | 61 | 10 - 128 | 2 | 30 |
| Methylcyclohexane | 1100 | U | 463 | 409 | J | ug/Kg | * | 88 | 11 - 156 | 6 | 30 |

| Surrogate | MSD | MSD | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 39 - 128 |
| 4-Bromofluorobenzene (Surr) | 84 | | 26 - 141 |
| Toluene-d8 (Surr) | 84 | | 33 - 134 |
| Dibromofluoromethane (Surr) | 72 | | 30 - 122 |

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|-------------------|--------------------------|--|-----------------|-----------------|------------------|
| | | 12DCE (39-128) | BFB (26-141) | TOL (33-134) | DBFM (30-122) |
| 240-9689-1 | S-45285-032812-SSH-BH16 | 82 | 85 | 87 | 73 |
| 240-9689-2 | S-45285-032812-SSH-BH12 | 84 | 87 | 89 | 72 |
| 240-9689-3 | S-45285-032812-SSH-BH15 | 83 | 88 | 89 | 72 |
| 240-9689-4 | S-45285-032812-SSH-BH32E | 83 | 86 | 89 | 72 |
| 240-9689-4 MS | S-45285-032812-SSH-BH32E | 82 | 86 | 85 | 71 |
| 240-9689-4 MSD | S-45285-032812-SSH-BH32E | 83 | 84 | 84 | 72 |
| 240-9689-5 | S-45285-032812-SSH-BH12A | 83 | 85 | 87 | 72 |
| 240-9689-6 | S-45285-032812-SSH-TB | 82 | 84 | 86 | 70 |
| LCS 240-38785/2-A | Lab Control Sample | 84 | 85 | 86 | 74 |
| MB 240-38785/1-A | Method Blank | 84 | 86 | 88 | 75 |

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Client Sample ID: S-45285-032812-SSH-BH16

Lab Sample ID: 240-9689-1

Date Collected: 03/28/12 11:50

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 90.4

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 39001 | 04/03/12 23:44 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 38631 | 03/30/12 14:06 | CN | TAL NC |

Client Sample ID: S-45285-032812-SSH-BH12

Lab Sample ID: 240-9689-2

Date Collected: 03/28/12 12:20

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 88.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 39001 | 04/04/12 00:08 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 38631 | 03/30/12 14:06 | CN | TAL NC |

Client Sample ID: S-45285-032812-SSH-BH15

Lab Sample ID: 240-9689-3

Date Collected: 03/28/12 12:45

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 89.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 39001 | 04/04/12 00:32 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 38631 | 03/30/12 14:06 | CN | TAL NC |

Client Sample ID: S-45285-032812-SSH-BH32E

Lab Sample ID: 240-9689-4

Date Collected: 03/28/12 13:15

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 90.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 39001 | 04/04/12 00:56 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 38631 | 03/30/12 14:06 | CN | TAL NC |

Client Sample ID: S-45285-032812-SSH-BH12A

Lab Sample ID: 240-9689-5

Date Collected: 03/28/12 12:22

Matrix: Solid

Date Received: 03/29/12 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 39001 | 04/04/12 02:09 | TL | TAL NC |

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

Client Sample ID: S-45285-032812-SSH-TB

Lab Sample ID: 240-9689-6

Date Collected: 03/28/12 13:30

Matrix: Solid

Date Received: 03/29/12 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 39001 | 04/04/12 02:33 | TL | TAL NC |

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-003, RACER Garey Street

TestAmerica Job ID: 240-9689-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|--------------------------|-------------------|--------------------|------------|------------------|
| TestAmerica North Canton | California | NELAC | 9 | 01144CA |
| TestAmerica North Canton | Connecticut | State Program | 1 | PH-0590 |
| TestAmerica North Canton | Florida | NELAC | 4 | E87225 |
| TestAmerica North Canton | Georgia | State Program | 4 | N/A |
| TestAmerica North Canton | Illinois | NELAC | 5 | 200004 |
| TestAmerica North Canton | Kansas | NELAC | 7 | E-10336 |
| TestAmerica North Canton | Kentucky | State Program | 4 | 58 |
| TestAmerica North Canton | L-A-B | DoD ELAP | | L2315 |
| TestAmerica North Canton | Minnesota | NELAC | 5 | 039-999-348 |
| TestAmerica North Canton | Nevada | State Program | 9 | OH-000482008A |
| TestAmerica North Canton | New Jersey | NELAC | 2 | OH001 |
| TestAmerica North Canton | New York | NELAC | 2 | 10975 |
| TestAmerica North Canton | Ohio VAP | State Program | 5 | CL0024 |
| TestAmerica North Canton | Pennsylvania | NELAC | 3 | 68-00340 |
| TestAmerica North Canton | USDA | Federal | | P330-11-00328 |
| TestAmerica North Canton | Virginia | NELAC Secondary AB | 3 | 460175 |
| TestAmerica North Canton | Washington | State Program | 10 | C971 |
| TestAmerica North Canton | West Virginia DEP | State Program | 3 | 210 |
| TestAmerica North Canton | Wisconsin | State Program | 5 | 999518190 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.





CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. **PL-08926**
PAGE **7** OF **7**

(See Reverse Side for Instructions)

| | | | | | | | | | | | | |
|--|---|--|-----------------|---|-------------------------|------------------------------------|---|-------------------------|-----------------------|-----|-----------------------|-------------------------|
| Project No/Phase/Task Code: 45285 | | Laboratory Name: TestAmerica | | Lab Location: North Canton OH | | SSOW ID: 45285-003 | | | | | | |
| Project Name: Geigy St / Howard St | | Lab Contact: D. Hecker | | Lab Quote No: | | Carrier: FedEx | | | | | | |
| Project Location: Saginaw MI | | SAMPLE TYPE | | ANALYSIS REQUESTED (See Back of COC for Definitions) | | Airbill No: 89274958997 | | | | | | |
| Chemistry Contact: P. Wiseman | | Matrix Code | | MS/MSD Request | | Date Shipped: 3/28/12 | | | | | | |
| Sampler(s): S. Howenzyo | | Grab (G) or Comp (C) | | Other: | | COMMENTS/ SPECIAL INSTRUCTIONS: | | | | | | |
| Item | SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line) | DATE (mm/dd/yy) | TIME (hh:mm) | Unpreserved | Hydrochloric Acid (HCl) | Nitric Acid (HNO ₃) | Sulfuric Acid (H ₂ SO ₄) | Sodium Hydroxide (NaOH) | Methanol/Water (Soil) | VOC | EnCores 3x5-g, 1x25-g | Total Containers/Sample |
| 1 | S-45285-032812-SSH-BH16 | 3/28/12 | 1150 | G | | | | X | X | | | 2 |
| 2 | S-45285-032812-SSH-BH12 | | 1220 | G | | | | X | X | | | 2 |
| 3 | S-45285-032812-SSH-BH15 | | 1245 | G | | | | X | X | | | 2 |
| 4 | S-45285-032812-SSH-BH32E | | 1315 | G | | | | X | X | | | 4 |
| 5 | S-45285-032812-SSH-BH12A | | 1222 | G | | | | X | X | | | 2 |
| 6 | TB-45285-032812-SSH-TB | | 1330 | G | | | | X | X | | | 1 |
| 7 | S-45285-032812-SSH-BH16B | 3/28/12 | 1200 | G | | | | X | X | | | 2 |
| 8 | S-45285-032812-SSH-BH12B | | 1230 | G | | | | X | X | | | 2 |
| 9 | S-45285-032812-SSH-BH15B | | 1250 | G | | | | X | X | | | 2 |
| 10 | S-45285-032812-SSH-BH32EB | | 1225 | G | | | | X | X | | | 2 |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |

Loc: 240
9689

MS/MSD Request
X MS/MSO
Hold
Hold
Hold
Hold

TAT Required in business days (use separate COCs for different TATs):

1 Day 2 Days 3 Days 2 Week Other:

Total Number of Containers: **20**

All Samples in Cooler must be on COC

RELINQUISHED BY: **DA Mon** COMPANY: **GRA** DATE: **3/28/12** TIME: **1600**

RECEIVED BY: **[Signature]** COMPANY: **TACE** DATE: **3-29-12** TIME: **9:10**

Notes/ Special Requirements: **Hold samples pending results**

Distribution: **WHITE** - Fully Executed Copy (GRA) **YELLOW** - Receiving Laboratory Copy **PINK** - Shipper **GOLDENROD** - Sampling Crew **GRA Form: COC-10A (20110804)**



TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 9689

Client CZA Site Name _____ By: _____ (Signature)

Cooler Received on 3-29-12 Opened on 3-29-12

FedEx: 1st Grd UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # 241-1739 Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

- 1. Cooler temperature upon receipt

| | | |
|--|--------------------------------------|---|
| IR GUN# 1 (CF -2°C) Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | <input type="checkbox"/> Multiple on Back |
| IR GUN# 4G (CF -1°C) Observed Sample Temp. <u>3.8</u> °C | Corrected Sample Temp. <u>2.8</u> °C | |
| IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |
| IR GUN# 6Y (CF -2°C) Observed Sample Temp. _____ °C | Corrected Sample Temp. _____ °C | |

- 2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
 - Were custody seals on the outside of the cooler(s) signed & dated? Yes No
 - Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No NA

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No NA

13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Sample BH12A will not be logged for percent moisture did not send solid volume.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-9689-1

Login Number: 9689

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | 2.8 |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

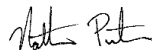
TestAmerica Job ID: 240-9689-3

Client Project/Site: 45285- Garey Street

For:

Conestoga-Rovers & Associates, Inc.
14496 Sheldon Road, Suite 200
Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

4/18/2012 9:33:20 AM

Nathan Pietras

Project Manager II

nathan.pietras@testamericainc.com

Designee for

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Job ID: 240-9689-3

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 45285- Garey Street

Report Number: 240-9689-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 03/29/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.8 C.

Sample -15B was taken off hold by CRA for VOC analysis on April 16, 2012. A revised chain of custody was not provided.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample S-45285-032812-SSH-BH15B (240-9689-9) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 04/02/2012 and analyzed on 04/16/2012.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample S-45285-032812-SSH-BH15B (240-9689-9) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/16/2012.

No difficulties were encountered during the % solids analysis.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Job ID: 240-9689-3 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RL | Reporting Limit |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--------------------------|--------|----------------|----------------|
| 240-9689-9 | S-45285-032812-SSH-BH15B | Solid | 03/28/12 12:50 | 03/29/12 09:10 |

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Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Client Sample ID: S-45285-032812-SSH-BH15B

Lab Sample ID: 240-9689-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|----|-----|-------|---------|---|--------|-----------|
| Toluene | 19 | J | 91 | 19 | ug/Kg | 1 | ☼ | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 48 | | 45 | 7.8 | ug/Kg | 1 | ☼ | 8260B | Total/NA |

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Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

| Method | Method Description | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL NC |
| Moisture | Percent Moisture | EPA | TAL NC |

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-45285-032812-SSH-BH15B

Lab Sample ID: 240-9689-9

Date Collected: 03/28/12 12:50

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 88.0

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acetone | 680 | U | 680 | 190 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Benzene | 45 | U | 45 | 14 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Bromodichloromethane | 91 | U | 91 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Bromoform | 91 | U | 91 | 22 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Bromomethane | 230 | U | 230 | 33 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 2-Butanone (MEK) | 680 | U | 680 | 49 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Carbon disulfide | 230 | U | 230 | 14 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Carbon tetrachloride | 45 | U | 45 | 7.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Chlorobenzene | 45 | U | 45 | 7.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Chloroethane | 230 | U | 230 | 69 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Chloroform | 45 | U | 45 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Chloromethane | 230 | U | 230 | 16 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,1-Dichloroethane | 45 | U | 45 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,2-Dichloroethane | 45 | U | 45 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,1-Dichloroethene | 45 | U | 45 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,2-Dichloropropane | 45 | U | 45 | 9.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| cis-1,3-Dichloropropene | 45 | U | 45 | 9.0 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| trans-1,3-Dichloropropene | 45 | U | 45 | 23 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Ethylbenzene | 45 | U | 45 | 6.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 2-Hexanone | 2300 | U | 2300 | 23 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Methylene Chloride | 230 | U | 230 | 87 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 4-Methyl-2-pentanone (MIBK) | 2300 | U | 2300 | 54 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Styrene | 45 | U | 45 | 6.4 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,1,2,2-Tetrachloroethane | 45 | U | 45 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Tetrachloroethene | 45 | U | 45 | 14 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Toluene | 19 | J | 91 | 19 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Trichloroethene | 45 | U | 45 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Vinyl chloride | 36 | U | 36 | 20 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Xylenes, Total | 140 | U | 140 | 9.2 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,1,1-Trichloroethane | 45 | U | 45 | 24 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,1,2-Trichloroethane | 45 | U | 45 | 14 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Cyclohexane | 1100 | U | 1100 | 45 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,2-Dibromo-3-Chloropropane | 230 | U | 230 | 57 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,2-Dibromoethane | 230 | U | 230 | 11 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Dichlorodifluoromethane | 91 | U | 91 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| cis-1,2-Dichloroethene | 48 | | 45 | 7.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| trans-1,2-Dichloroethene | 45 | U | 45 | 10 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Isopropylbenzene | 230 | U | 230 | 7.4 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Methyl acetate | 1100 | U | 1100 | 28 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Methyl tert-butyl ether | 230 | U | 230 | 8.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 230 | U | 230 | 44 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,2,4-Trichlorobenzene | 230 | U | 230 | 8.3 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,2-Dichlorobenzene | 91 | U | 91 | 9.8 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,3-Dichlorobenzene | 91 | U | 91 | 5.4 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| 1,4-Dichlorobenzene | 91 | U | 91 | 9.1 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Trichlorofluoromethane | 91 | U | 91 | 18 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Dibromochloromethane | 45 | U | 45 | 14 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Methylcyclohexane | 1100 | U | 1100 | 14 | ug/Kg | ☼ | 04/02/12 10:47 | 04/16/12 21:33 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 80 | | 39 - 128 | 04/02/12 10:47 | 04/16/12 21:33 | 1 |

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-45285-032812-SSH-BH15B

Date Collected: 03/28/12 12:50

Date Received: 03/29/12 09:10

Lab Sample ID: 240-9689-9

Matrix: Solid

Percent Solids: 88.0

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 26 - 141 | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Toluene-d8 (Surr) | 88 | | 33 - 134 | 04/02/12 10:47 | 04/16/12 21:33 | 1 |
| Dibromofluoromethane (Surr) | 73 | | 30 - 122 | 04/02/12 10:47 | 04/16/12 21:33 | 1 |

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

GC/MS VOA

Prep Batch: 38785

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--------------------------|-----------|--------|--------|------------|
| 240-9689-9 | S-45285-032812-SSH-BH15B | Total/NA | Solid | 5035 | |

Analysis Batch: 40451

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--------------------------|-----------|--------|--------|------------|
| 240-9689-9 | S-45285-032812-SSH-BH15B | Total/NA | Solid | 8260B | 38785 |

General Chemistry

Analysis Batch: 40424

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--------------------------|-----------|--------|----------|------------|
| 240-9689-9 | S-45285-032812-SSH-BH15B | Total/NA | Solid | Moisture | |

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | 12DCE (39-128) | BFB (26-141) | TOL (33-134) | DBFM (30-122) |
|---------------|--------------------------|-------------------|-----------------|-----------------|------------------|
| 240-9689-9 | S-45285-032812-SSH-BH15B | 80 | 87 | 88 | 73 |

Surrogate Legend

- 12DCE = 1,2-Dichloroethane-d4 (Surr)
- BFB = 4-Bromofluorobenzene (Surr)
- TOL = Toluene-d8 (Surr)
- DBFM = Dibromofluoromethane (Surr)



Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

Client Sample ID: S-45285-032812-SSH-BH15B

Lab Sample ID: 240-9689-9

Date Collected: 03/28/12 12:50

Matrix: Solid

Date Received: 03/29/12 09:10

Percent Solids: 88.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Prep | 5035 | | | 38785 | 04/02/12 10:47 | LM | TAL NC |
| Total/NA | Analysis | 8260B | | 1 | 40451 | 04/16/12 21:33 | TL | TAL NC |
| Total/NA | Analysis | Moisture | | 1 | 40424 | 04/16/12 14:19 | CN | TAL NC |

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285- Garey Street

TestAmerica Job ID: 240-9689-3

| Laboratory | Authority | Program | EPA Region | Certification ID |
|--------------------------|-------------------|---------------|------------|------------------|
| TestAmerica North Canton | California | NELAC | 9 | 01144CA |
| TestAmerica North Canton | Connecticut | State Program | 1 | PH-0590 |
| TestAmerica North Canton | Florida | NELAC | 4 | E87225 |
| TestAmerica North Canton | Georgia | State Program | 4 | N/A |
| TestAmerica North Canton | Illinois | NELAC | 5 | 200004 |
| TestAmerica North Canton | Kansas | NELAC | 7 | E-10336 |
| TestAmerica North Canton | Kentucky | State Program | 4 | 58 |
| TestAmerica North Canton | L-A-B | DoD ELAP | | L2315 |
| TestAmerica North Canton | Minnesota | NELAC | 5 | 039-999-348 |
| TestAmerica North Canton | Nevada | State Program | 9 | OH-000482008A |
| TestAmerica North Canton | New Jersey | NELAC | 2 | OH001 |
| TestAmerica North Canton | New York | NELAC | 2 | 10975 |
| TestAmerica North Canton | Ohio VAP | State Program | 5 | CL0024 |
| TestAmerica North Canton | Pennsylvania | NELAC | 3 | 68-00340 |
| TestAmerica North Canton | USDA | Federal | | P330-11-00328 |
| TestAmerica North Canton | Virginia | NELAC | 3 | 460175 |
| TestAmerica North Canton | Washington | State Program | 10 | C971 |
| TestAmerica North Canton | West Virginia DEP | State Program | 3 | 210 |
| TestAmerica North Canton | Wisconsin | State Program | 5 | 999518190 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.





CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
 Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO: **PL-08926**
 PAGE **7** OF **7**

(See Reverse Side for Instructions)

| Project No/Phase/Task Code: 45285 | | Laboratory Name: TestAmerica | | Lab Location: North Canton OH | | SSOW ID: 45285-003 | | | | | | |
|--|---|--|-----------------|---|-------------------------|------------------------------------|---|-------------------------|-----------------------|-----|-----------------------|-------------------------|
| Project Name: Geigy St / Howard St | | Lab Contact: D. Heckler | | Lab Quote No: | | Carrier: FedEx | | | | | | |
| Project Location: Saginaw, MI | | SAMPLE TYPE | | ANALYSIS REQUESTED (See Back of COC for Definitions) | | Airbill No: 89274958997 | | | | | | |
| Chemistry Contact: P. Wiseman | | Matrix Code | | MS/MSD Request | | Date Shipped: 3/28/12 | | | | | | |
| Sampler(s): S. Howemyer | | Grab (G) or Comp (C) | | Other: | | COMMENTS/ SPECIAL INSTRUCTIONS: | | | | | | |
| Item | SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line) | DATE (mm/dd/yy) | TIME (hh:mm) | Unpreserved | Hydrochloric Acid (HCl) | Nitric Acid (HNO ₃) | Sulfuric Acid (H ₂ SO ₄) | Sodium Hydroxide (NaOH) | Methanol/Water (Soil) | VOC | EnCores 3x5-g, 1x25-g | Total Containers/Sample |
| 1 | S-45285-032812-SSH-BH16 | 3/28/12 | 1150 | G | | | | | X | | | 2 |
| 2 | S-45285-032812-SSH-BH12 | | 1220 | G | | | | | X | | | 2 |
| 3 | S-45285-032812-SSH-BH15 | | 1245 | G | | | | | X | | | 2 |
| 4 | S-45285-032812-SSH-BH32E | | 1315 | G | | | | | X | | | 4 |
| 5 | S-45285-032812-SSH-BH12A | | 1222 | G | | | | | X | | | 2 |
| 6 | TB-45285-032812-SSH-TB | | 1330 | G | | | | | X | | | 1 |
| 7 | S-45285-032812-SSH-BH16B | 3/28/12 | 1200 | G | | | | | X | | | 2 |
| 8 | S-45285-032812-SSH-BH12B | | 1230 | G | | | | | X | | | 2 |
| 9 | S-45285-032812-SSH-BH15B | | 1250 | G | | | | | X | | | 2 |
| 10 | S-45285-032812-SSH-BH32EB | | 1325 | G | | | | | X | | | 2 |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |

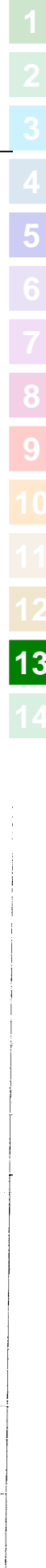
Loc: 240
9689

Total Number of Containers: **20**
 Notes/ Special Requirements: **Hold samples pending results**

TAT Required in business days (use separate COCs for different TATs):
 1 Day 2 Days 3 Days 2 Week Other:

| RELINQUISHED BY | COMPANY | DATE | TIME | RECEIVED BY | COMPANY | DATE | TIME |
|-----------------------|---------|---------|------|-----------------------|---------|---------|------|
| 1. <i>[Signature]</i> | GRA | 3/28/12 | 1600 | 1. <i>[Signature]</i> | TACE | 3-29-12 | 9:10 |
| 2. | | | | 2. | | | |
| 3. | | | | 3. | | | |

Distribution: WHITE - Fully Executed Copy (GRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew
 THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY
 CRA Form: COC-10A (20110804)



TestAmerica North Canton Sample Receipt Form/Narrative

Login # : 9689

Client CZA Site Name _____ By: _____ (Signature)

Cooler Received on 3-29-12 Opened on 3-29-12

FedEx: 1st Grd UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # 241-1739 Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. 3.8 °C Corrected Sample Temp. 2.8 °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 6Y (CF -2°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No

-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No

13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Sample BH12A will not be logged for percent moisture did not send solid volume.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-9689-3

Login Number: 9689

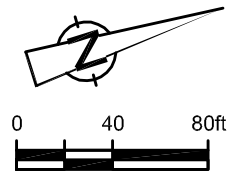
List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | 2.8 |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

| Code | Criteria Type | Criteria Value (mg/kg) |
|------|---|------------------------|
| a | Residential/Non-Residential - Statewide Default Background Levels | 21 |
| b | Non-Residential - Ambient Air - Finite VSIC-2m Source Thickness | - |
| c | Non-Residential - Ambient Air - Finite VSIC-5m Source Thickness | - |
| d | Non-Residential - Ambient Air - Infinite Source VSIC | - |
| e | Non-Residential - Direct Contact | 900 |
| f | Non-residential - Drinking Water Protection | 700 |
| g | Non-residential - Soil Volatilization to Indoor Air Inhalation | - |
| h | Non-residential - Ambient Air - Particulate Soil Inhalation | 44000 |



WOLVERINE
PATTERN
& MACHINE
1716 S. JEFFERSON

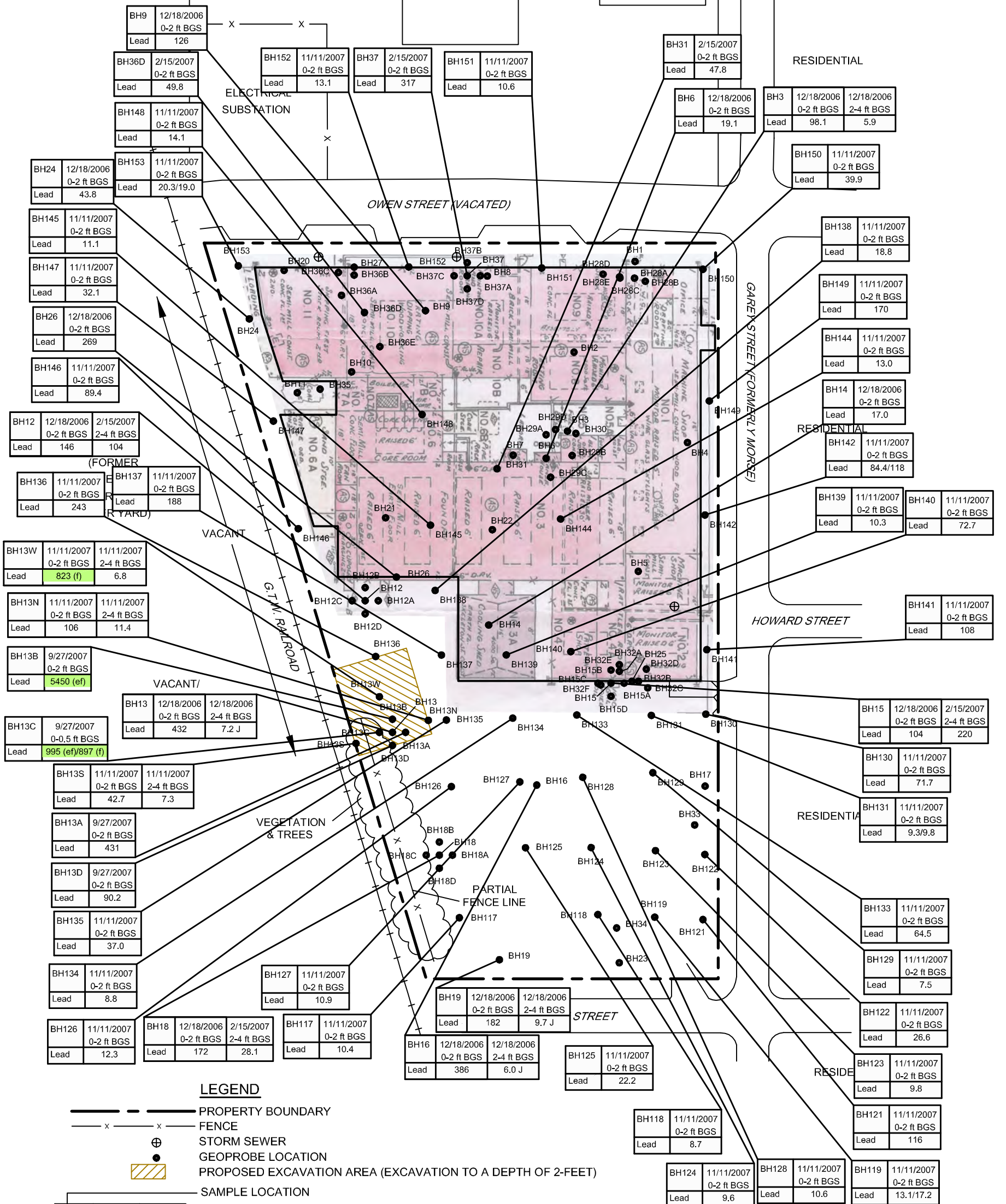


figure 5

**SUMMARY OF DETECTS - LEAD
FORMER WAREHOUSE
700 GAREY STREET
Saginaw, Michigan**



SOURCE: MICHIGAN INSPECTION BUREAU; SAGINAW, MICHIGAN, JUNE 1940

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-4348-1

Client Project/Site: 45285-T01-002, Howard St

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

10/10/2011 02:39:15 PM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com



LINKS

Review your project
results through

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Have a Question?



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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Job ID: 240-4348-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 45285-T01-002, Howard St

Report Number: 240-4348-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/29/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.9 C.

TCLP METALS (ICP)

Sample S-45285-092811-SSH-PB01 (240-4348-1) was analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010B. The samples were leached on 10/03/2011, prepared on 10/05/2011 and analyzed on 10/06/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------------|--------|----------------|----------------|
| 240-4348-1 | S-45285-092811-SSH-PB01 | Solid | 09/28/11 09:20 | 09/29/11 09:30 |

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Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Client Sample ID: S-45285-092811-SSH-PB01

Lab Sample ID: 240-4348-1

No Detections

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- 2
- 3
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Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

| Method | Method Description | Protocol | Laboratory |
|--------|--------------------|----------|------------|
| 6010B | Metals (ICP) | SW846 | TAL NC |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396



Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Method: 6010B - Metals (ICP) - TCLP

Client Sample ID: S-45285-092811-SSH-PB01

Date Collected: 09/28/11 09:20

Date Received: 09/29/11 09:30

Lab Sample ID: 240-4348-1

Matrix: Solid

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead | 0.50 | U | 0.50 | mg/L | | 10/05/11 07:38 | 10/06/11 21:01 | 1 |

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Metals

Leach Batch: 17660

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|-------------------------|-----------|--------|--------|------------|
| 240-4348-1 | S-45285-092811-SSH-PB01 | TCLP | Solid | 1311 | |
| LB 240-17660/9-B LB | Method Blank | TCLP | Solid | 1311 | |

Prep Batch: 17955

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|-------------------------|-----------|--------|--------|------------|
| 240-4348-1 | S-45285-092811-SSH-PB01 | TCLP | Solid | 3010A | 17660 |
| LB 240-17660/9-B LB | Method Blank | TCLP | Solid | 3010A | 17660 |
| LCS 240-17955/3-A | Lab Control Sample | Total/NA | Solid | 3010A | |
| MB 240-17955/2-A | Method Blank | Total/NA | Solid | 3010A | |

Analysis Batch: 18281

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|-------------------------|-----------|--------|--------|------------|
| 240-4348-1 | S-45285-092811-SSH-PB01 | TCLP | Solid | 6010B | 17955 |
| LB 240-17660/9-B LB | Method Blank | TCLP | Solid | 6010B | 17955 |
| LCS 240-17955/3-A | Lab Control Sample | Total/NA | Solid | 6010B | 17955 |
| MB 240-17955/2-A | Method Blank | Total/NA | Solid | 6010B | 17955 |

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-17955/2-A
Matrix: Solid
Analysis Batch: 18281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17955

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------------|-----------------|------|------|---|----------------|----------------|---------|
| Lead | 0.50 | U | 0.50 | mg/L | | 10/05/11 07:38 | 10/06/11 20:16 | 1 |

Lab Sample ID: LCS 240-17955/3-A
Matrix: Solid
Analysis Batch: 18281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17955

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------|----------------|---------------|------------------|------|---|-------|------------------|
| Lead | 0.500 | 0.50 | U | mg/L | | 98 | 50 - 150 |

Lab Sample ID: LB 240-17660/9-B LB
Matrix: Solid
Analysis Batch: 18281

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 17955

| Analyte | LB Result | LB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------------|-----------------|------|------|---|----------------|----------------|---------|
| Lead | 0.50 | U | 0.50 | mg/L | | 10/05/11 07:38 | 10/06/11 20:10 | 1 |

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

Client Sample ID: S-45285-092811-SSH-PB01

Lab Sample ID: 240-4348-1

Date Collected: 09/28/11 09:20

Matrix: Solid

Date Received: 09/29/11 09:30

| <u>Prep Type</u> | <u>Batch Type</u> | <u>Batch Method</u> | <u>Run</u> | <u>Dilution Factor</u> | <u>Batch Number</u> | <u>Prepared Or Analyzed</u> | <u>Analyst</u> | <u>Lab</u> |
|------------------|-------------------|---------------------|------------|------------------------|---------------------|-----------------------------|----------------|------------|
| TCLP | Leach | 1311 | | | 17660 | 10/03/11 11:15 | DJ | TAL NC |
| TCLP | Prep | 3010A | | | 17955 | 10/05/11 07:38 | LM | TAL NC |
| TCLP | Analysis | 6010B | | 1 | 18281 | 10/06/11 21:01 | NJM | TAL NC |

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 45285-T01-002, Howard St

TestAmerica Job ID: 240-4348-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|--------------------------|---------------|--------------------|------------|------------------|
| TestAmerica North Canton | ACCLASS | DoD ELAP | | ADE-1437 |
| TestAmerica North Canton | California | NELAC | 9 | 01144CA |
| TestAmerica North Canton | Connecticut | State Program | 1 | PH-0590 |
| TestAmerica North Canton | Florida | NELAC | 4 | E87225 |
| TestAmerica North Canton | Georgia | Georgia EPD | 4 | N/A |
| TestAmerica North Canton | Illinois | NELAC | 5 | 200004 |
| TestAmerica North Canton | Kansas | NELAC | 7 | E-10336 |
| TestAmerica North Canton | Kentucky | State Program | 4 | 58 |
| TestAmerica North Canton | Minnesota | NELAC | 5 | 039-999-348 |
| TestAmerica North Canton | Nevada | State Program | 9 | OH-000482008A |
| TestAmerica North Canton | New Jersey | NELAC | 2 | OH001 |
| TestAmerica North Canton | New York | NELAC | 2 | 10975 |
| TestAmerica North Canton | Ohio | OVAP | 5 | CL0024 |
| TestAmerica North Canton | Pennsylvania | NELAC | 3 | 68-00340 |
| TestAmerica North Canton | USDA | USDA | | P330-11-00328 |
| TestAmerica North Canton | Virginia | NELAC Secondary AB | 3 | 460175 |
| TestAmerica North Canton | West Virginia | West Virginia DEP | 3 | 210 |
| TestAmerica North Canton | Wisconsin | State Program | 5 | 999518190 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.





CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

Required Client Information:

Company: CRA, Inc.
 Address: 14496 Sheldon Rd.
 Suite 200
 Plymouth, MI 48170
 Phone: 734-453-5123
 Fax: 734-453-5201
 Email:

Report To: Paul Wiseman
 Copy To: Mike Tomka
 Invoice To:
 P.O.:
 Project Name: Howard St.
 Project Number: 45285

Laboratory: **Test America**
 Laboratory Location: **Perth Canton, OH**
 Laboratory Contact: **Denise Huelke**
 Requested Due Date: **TAT: 2 weeks**
 QA/QC Requirements:

ID # **No D 9898**

SSOW Ref. Code: **45285-002**

| Sample Identification: | Date Collected | Time Collected | # Containers | Unpreserved | HCl | H2SO4 | HNO3 | NaOH | Other: | Remarks/Lab ID | Analysis and Method | |
|-----------------------------------|---------------------|----------------|--------------|-------------|-----|-------|------|------|--------|----------------|---------------------|--|
| | | | | | | | | | | | | |
| S-45285-012811-SSH-P601 SO | 9/28/11 0920 | 1 X | | | | | | | | | X TLP lead | |
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| SHIPMENT METHOD | NO. OF COOLERS | RELINQUISHED BY / AFFILIATION | DATE | TIME | RECEIVED BY / AFFILIATION | DATE | TIME |
|--------------------------------|----------------|-------------------------------|----------------|-------------|---------------------------|----------------|-------------|
| Fidelix | 1 | Paula May - CRA | 9/28/11 | 1600 | Ch. Huelke | 9/29/11 | 9:30 |
| AIRBILL NO. 87625881770 | | | | | | | |

Sample Condition

Temp. in °C

Received on Ice Y/N

Sealed Cooler Y/N

Samples Intact Y/N

Additional Comments:

Sampler Name: **Steve S. Hocutt**
 Sampler Signature: *Steve S. Hocutt*
 Date: **9/28/11**

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: _____

Client CPA Project _____ By: [Signature]

Cooler Received on 9/29/11 Opened on 9/29/11 (Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # 241-2157 Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
 If YES, Quantity _____ Quantity Unsalvageable _____
 Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
 Were custody seals on the bottle(s)? Yes No
 If YES, are there any exceptions? _____ Yes No
 2. Shippers' packing slip attached to the cooler(s)? Yes No
 3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
 4. Were the custody papers signed in the appropriate place? Yes No
 5. Packing material used: Bubble Wrap Foam None Other _____
 6. Cooler temperature upon receipt 4.9 °C See back of form for multiple coolers/temps
 METHOD: IR Other
 COOLANT: Wet Ice Blue Ice Dry Ice Water None
 7. Did all bottles arrive in good condition (Unbroken)? Yes No
 8. Could all bottle labels be reconciled with the COC? Yes No
 9. Were sample(s) at the correct pH upon receipt? Yes No NA
 10. Were correct bottle(s) used for the test(s) indicated? Yes No
 11. Were air bubbles >6 mm in any VOA vials? Yes No NA
 12. Sufficient quantity received to perform indicated analyses? Yes No
 13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No
- Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
 Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 100110-HNO₃; Sulfuric Acid Lot# 110410-H₂SO₄; Sodium Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

| Client ID | pH | Date | Initials |
|-----------|----|------|----------|
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Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-4348-1

Login Number: 4348

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 4.9 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |







Appendix C

Soil Boring Logs

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH1
 DATE/TIME STARTED 12/15/06
 DATE/TIME COMPLETED 12/23/06
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN <u>ft</u> BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | | | | |
|--|----|----|--|---------------------------------|--|---|----|----|----|--|--|--------------------------------------|--------------------------------------|---|
| FROM | TO | AT | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | S I N T P E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
| | | | | | | 6" | 6" | 6" | 6" | | | | | |
| 0 | | 1 | topsoil, black, wet to moist | | | | | | | | | | | |
| 1 | | 2 | brown to black soft clay, trace sand + gravel, little silt, moist to dry | -064 | geoprobe | | | | | 0-2 | - | | | |
| 2 | | 4 | brown soft clay, trace sand + gravel, little silt, moist to dry | -065/066 | | | | | | 2-4 | - | | | |
| 4 | | 10 | hard mottled brown/grey clay, trace sand, silt, gravel, dry | -067 | | | | | | 4-5 | - | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS 1

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____ AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcey St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH2
 DATE/TIME STARTED _____
 DATE/TIME COMPLETED 12/12
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN (ft)/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E | |
|---|--------|--------|--|---------------------------------|--|---|----|--|--------------------------------------|--------------------------------------|---|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N E N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | S I N T E R V A L |
| | | | | | | 6" | 6" | 6" | 6" | | | |
| 0 | | 1/2 | topsoil, black, moist to wet | | | | | | | | | |
| 1/2 | | 3/4 | concrete | | | | | | | | | |
| 3/4 | | 1 1/2 | brown to black soft clay, trace silt + sand, little gravel, moist | | | | | | | | | |
| 1 1/2 | | 4 1/2 | brown soft clay, little silt, trace sand + gravel, moist | | | | | | | | | |
| 4 1/2 | | 5 | brown w/gray mottling clay, little gravel, trace sand + silt, dry to moist | | | | | | | | | |

NOTES AND COMMENTS

CRA

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: _____
 NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT G.M Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH3
 DATE/TIME STARTED 12/13/06
 DATE/TIME COMPLETED 12/18/06
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN <u>ft</u> /m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|---|---------------------------------|--|---|--|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | O R D E R O F D E S C R I P T O R S: S O I L T Y P E S Y M B O L (S) - M A I N C O M P O N E N T (S), (N A T U R E O F D E P O S I T), S E C O N D A R Y C O M P O N E N T S, R E L A T I V E D E N S I T Y/ C O N S I S T E N C Y, G R A I N S I Z E/ P L A S T I C I T Y, G R A D A T I O N/ S T R U C T U R E, C O L O U R, M O I S T U R E C O N T E N T, S U P P L E M E N T A R Y D E S C R I P T O R S N O T E: P L A S T I C I T Y D E T E R M I N A T I O N R E Q U I R E S T H E A D D I T I O N O F M O I S T U R E I F T H E S A M P L E I S T O O D R Y T O R O L L (I N D I C A T E I F M O I S T U R E W A S A D D E D O R N O T). | S A M P L E # | S A M P L E L I T H N O G D | P E N E T R A T I O N R E C O R D S P L I T S P O O N B L O W S (R E C O R D N - V A L U E S & R E C O V E R I E S) | | | | | |
| 0 | | 1 | | topsoil, black, wet to moist | | geoprobe | | | | | |
| 1 | | 2 | black sand + gravel, moist, trace silt, med grained sand | -068 | | | | | 0-2 | - | |
| 2 | | 5 1/2 | soft brown clay, little grey mottling, little sand trace gravel, little silt, moist to dry | -069ms/msn | | | | | 2-4 | - | |
| 5 1/2 | | 10 | hard clay, mottled brown/grey, trace sand, silt and gravel, dry | 070 | | | | | 4-5 | - | |
| | | | Note: petroleum odor in BH | | | | | | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____ AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garco St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH5
 DATE/TIME STARTED 12/18
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | SILT CONTENT PERCENTAGE | PI D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|---------------------------------|--|---|----|-------------------------------|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | | S A M P L E # | S A M P L E L I N E N O D E | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | | | 6" | 6" | 6" | 6" | | | |
| 0 | | 1 | topsoil, black, moist to wet | | | | | | | | | |
| 1 | | 3 1/2 | brown soft clay, little silt, trace sand + gravel, moist | | | | | | | | | |
| 3 1/2 | | 5 | brown w/gray mottling clay, moist to dry, little gravel, trace sand + silt, dense | | | | | | | | | |
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NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH6
 DATE/TIME STARTED 12/12
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E | |
|---|--------|--------|--|---------------------------------|---|---|----|--|--------------------------------------|--------------------------------------|---|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | S I N T E R V A L |
| | | | | | | 6" | 6" | 6" | 6" | | | |
| 0 | | 1/2 | topsoil, black, moist to wet | | | | | | | | | |
| 1/2 | | 5 | concrete pieces, bricks | | | | | | | | | |
| | | | low recovery due to brick pieces | | | | | | | | | |
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| <p>NOTES AND COMMENTS</p> <p>CRA</p> | DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____ WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____ COMPLETION DETAILS: _____ NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL. |
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STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH8
 DATE/TIME STARTED 12/12
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|--|---|----|----|---|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | S A M P L E # | S A M P L E T H I N G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | | |
| | | | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | 6" | 6" | 6" | 6" | | | | | |
| 0 | | 1/2 | topsoil, black, wet to moist | | | | | | | | | |
| 1/2 | | 1 1/2 | black sand + gravel, wet to moist, trace silt | | | | | | | | | |
| 1 1/2 | | 5 | brown soft clay, little silt, trace sand + gravel, moist | | | | | | | | | |
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NOTES AND COMMENTS
CRA

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____ AFTER _____ HOURS _____
 COMPLETION DETAILS: _____

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH11
 DATE/TIME STARTED 12/18
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S I M P L E # | S A M P L E I N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | S I M P L E R E V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|----------------|----|----|----|---------------------------------|---|---|--|--|--|---|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | 6" | 6" | 6" | 6" | | | | | | | | | | | |
| 0 | | 3/4 | topsoil, black, wet to moist | | | | | | | | | | | | | | | |
| 3/4 | | 1 1/2 | brown/black clay, little silt, moist, trace sand + gravel, soft | | | | | | | | | | | | | | | |
| 1 1/2 | | 4 | brown soft clay, little silt trace sand + gravel, moist | | | | | | | | | | | | | | | |
| 4 | | 5 | brown w/ grey mottling clay little gravel trace sand + silt, dense, clay to moist | | | | | | | | | | | | | | | |
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| NOTES AND COMMENTS CRA | DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____ | | |
| | WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____ | | |
| | COMPLETION DETAILS: _____ | | |
| NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL. | | | |

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH12
 DATE/TIME STARTED 12/18/06
 DATE/TIME COMPLETED 12/18/06
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN <u>ft</u> BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|--|--------|--------|--|--|---|----|----|--|--|--------------------------------------|---|
| F R O M | A T | T O | S O I L T Y P E S Y M B O L S | S A M P L E # | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E N O G D | 6" | 6" | 6" | 6" | S A M P L E I N T E R V A L | | |
| 0 | | 1 | topsoil, black, moist to wet | | | | | | | | |
| 1 | | 2 | black sand, little gravel, trace silt, wet to moist, red | 033 | | | | | 0-2 | | |
| 2 | | 4 | soft brown clay, little silt, trace sand + gravel, moist to dry | 034 035 | | | | | 2-4 | | |
| 4 | | 10 | hard clay, brown/grey mottled, trace silt, sand + gravel, dry | | | | | | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH13
 DATE/TIME STARTED 12/13
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN <u>ft</u> /m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | S A M P L E L E N G T H | I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|--|----|----|----|---|--|--------------------------------------|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | S A M P L E # | S A M P L E L I N G T H | 6" | 6" | 6" | | | | | | | |
| 0 | | 1/2 | topsoil, black, moist to wet | | | | | | | | | | | |
| 1/2 | | 1 | black to grey sand & gravel, coarse sand, wet, trace silt | | | | | | | | | | | |
| 1 | | 2 | blackish brown clay clay, dense, trace silt & gravel, dry | | | | | | | | | | | |
| 2 | | 4 | brown soft clay, little silt, trace sand & gravel, moist | | | | | | | | | | | |
| 4 | | 5 | brown clay w/ grey mottling, dense, dry, trace sand & silt clay , little gravel | | | | | | | | | | | |
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DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH14
 DATE/TIME STARTED 12/12
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN (ft)/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S A M P L E L E N G T H | S A M P L E D I A M E T E R | P E N E T R A T I O N R E C O R D S P L I T S P O O N B L O W S (R E C O R D N - V A L U E S & R E C O V E R I E S) | S A M P L E L E N G T H | I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|----------------|----|----|----|--|--|---|--|--------------------------------------|--|--------------------------------------|--------------------------------------|---|
| F R O M | T O | A T | S A M P L E # | 6" | 6" | 6" | 6" | | | | | | | | | |
| 0 | 1/2 | | topsoil, black, moist to wet | | | | | | | | | | | | | |
| 1/2 | 1 | | concrete, sand + gravel, dry, gray | | | | | | | | | | | | | |
| 1 | 2 | | black sand, trace silt + gravel, moist, pieces of slag | | | | | | | | | | | | | |
| 2 | 3 | | brown soft clay, little silt, trace sand + gravel, moist | | | | | | | | | | | | | |
| 3 | 5 | | brown w/grey mottling clay, dense dry to moist, trace silt and sand, little gravel | | | | | | | | | | | | | |

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH 15
 DATE/TIME STARTED 12/12/06
 DATE/TIME COMPLETED 12/12/06
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S I D / | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|---------------------------------|--|---|----|------------------|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E I N T E R V A L | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | |
| | | | | | | | 6" | 6" | 6" | 6" | (ppm) |
| 0 | | 1/2 | topsoil, black, moist to wet | | | | | | | | |
| 1/2 | | 2 | black sand with gravel, spots of red wet to moist, trace silt, med | | | | | | | | |
| 2 | | 4 1/2 | soft brown clay, little silt, trace sand + gravel, moist to dry | | | | | | | | |
| 4 1/2 | | 10 | hard clay, brown/grey mottled, trace sand, silt to gravel, dry | | | | | | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garay St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH/6
 DATE/TIME STARTED 12/12
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN <u>ft</u> /m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | S A M P L E L E N G T H | I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|--|----|----|----|---|--|--------------------------------------|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | S A M P L E # | S A M P L E L I N G T H N O G D | 6" | 6" | 6" | | | | | | | |
| 0 | | 3/4 | topsoil, black, moist to wet | | | | | | | | | | | |
| 3/4 | | 1 | blackish tan sand, med, trace silt + gravel, moist | | | | | | | | | | | |
| 1 | | 2 | black to brown soft clay, little silt + trace sand + gravel, moist | | | | | | | | | | | |
| 2 | | 4 1/2 | brown clay, soft little silt + gravel, trace sand, moist | | | | | | | | | | | |
| 4 1/2 | | 5 | brown w/ grey mottling clay, trace silt, sand + gravel, dry to moist | | | | | | | | | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH18
 DATE/TIME STARTED 12/13
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|--|---|--|--|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | S A M P L E # | S A M P L E L I N E N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | | | | | | | | |
| 0 | | 1 | topsoil, black, moist to wet | | | | | | | | |
| 1 | | 2.5 | black sand + gravel, moist, pieces of slag + concrete, moist, trace silt | | | | | | | | |
| 2.5 | | 3 | black to grey silt, little clay + gravel, trace sand, moist, soft | | | | | | | | |
| 3 | | 5 | brown soft clay, little silt, trace sand + gravel, moist | | | | | | | | |
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| NOTES AND COMMENTS CRA | DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____ WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____ AFTER _____ HOURS _____ COMPLETION DETAILS: _____ NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL. |
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STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH 19
 DATE/TIME STARTED 12/12/06
 DATE/TIME COMPLETED 12/15/06
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN $\frac{ft}{m}$ BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | | | | |
|---|--------|--------|--|---------------------------------|---|---|----|----|----|---|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | S I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
| | | | | | | 6" | 6" | 6" | 6" | | | | | |
| 0 | | 1/2 | topsoil, black, wet to moist | | | | | | | | | | | |
| 1/2 | | 1 | black sand with gravel, wet, trace silt red | | | | | | | | | | | |
| 1 | | 2 | soft brown clay, little silt, trace sand + gravel, moist to wet | | | | | | | | | | | |
| 2 | | 4 1/2 | hard brown clay, mottled grey, trace silt, sand, gravel, moist to wet | | | | | | | | | | | |
| 4 1/2 | | 6 | brown soft clay, wet, channels thru clay, trace sand + gravel, little silt | | | | | | | | | | | |
| 6 | | 10 | brown/grey mottled clay, dry to moist, trace sand, silt + gravel | | | | | | | | | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garry St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH22
 DATE/TIME STARTED 12/18
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | SAMPLE INTERVAL | P I D / F I D (ppm) | C H E M I C A L | G R A I N S I Z E |
|--|-----|-----|---|-----------------------------|----|----|----|---|-----------------|---------------------|-----------------|-------------------|
| F R O M | A T | T O | S A M P L E # | S A M P L E L I T H N O G D | 6" | 6" | 6" | | | | | |
| 0 | | 1 | topsoil, black, moist to wet | | | | | | | | | |
| 1 | | 4 | brown soft clay, little silt, trace sand & gravel, moist | | | | | | | | | |
| 4 | | 5 | brown w/ grey mottling clay, trace sand + silt, little gravel, moist to dry | | | | | | | | | |
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NOTES AND COMMENTS

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DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH23
 DATE/TIME STARTED 12/18
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|---------------------------------|---|---|----|---|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E I N T E R V A L S | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | | | | 6" | 6" | 6" | 6" | | | |
| 0 | | 1 | topsoil, black, moist to wet | | | | | | | | | |
| 1 | | 1.5 | dark brown to black silt, little clay trace sand + gravel, moist | | | | | | | | | |
| 1.5 | | | soft clay, little silt, trace sand + gravel moist, brown | | | | | | | | | |
| 3.5 | | 4 | silt has red tint | | | | | | | | | |
| 4 | | 5 | clay, dense, brown w/ grey mottling, trace large gravel, trace silt | | | | | | | | | |

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| NOTES AND COMMENTS CRA | DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____ WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____ COMPLETION DETAILS: _____ NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL. |
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STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH25
 DATE/TIME STARTED 12/15
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN (ft)/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|--|---|----|----|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | S A M P L E # | S A M P L E I N G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | 6" | 6" | 6" | 6" | | | | |
| 0 | | 1/2 | topsoil, moist, black | | | | | | | | |
| | | 1/2 | concrete | | | | | | | | |
| 1 | | 2 | tan sand, wet, med, trace silt, (fill) | | | | | | | | |
| 2 | | 3 | brown soft clay, little silt moist black/grey tint in place, trace sand & gravel | | | | | | | | |
| 3 | | 5 | brown w/ grey mottling clay, moist to dry, trace sand & silt, little gravel | | | | | | | | |

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: _____

CRA * NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH15/25 (between)
 DATE/TIME STARTED 12/12
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S I N T P L E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|---------------------------------|--|---|----|---|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N E N O D E | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | | 6" | 6" | 6" | 6" | | | | | |
| 0 | | 1/2 | topsoil, black, moist to wet | | | | | | | | | |
| 1/2 | | 3 | black sand + gravel, trace silt, present slag | | | | | | | | | |
| 3 | | 5 | brown soft clay, little silt, trace sand + gravel, moist | | | | | | | | | |
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NOTES AND COMMENTS: DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: _____

CRA NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH28C
 DATE/TIME STARTED 2/15
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN (L)/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S A M P L E I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|--|--------|--------|--|---------------------------------|---|----|----|--|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS <small>NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).</small> | S A M P L E # | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | | |
| | | | | | 6" | 6" | 6" | 6" | | | | |
| 0 | | 1 | topsoil, black, wet to moist | | | | | | | | | |
| 1 | | 3 | brown/black silty sandy clay, trace gravel moist | | | | | | | | | |
| 3 | | 5 | tan sand, med, moist to dry, (fill) | | | | | | | | | |
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| NOTES AND COMMENTS CRA | DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____ WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____ COMPLETION DETAILS: _____ NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL. |
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STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH28A
 DATE/TIME STARTED 2/15
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S A M P L E I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|--|---------------------------------|---|---|----|--|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E P E T I H N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | |
| | | | | | | 6" | 6" | 6" | 6" | | | |
| 0 | | 1 | topsoil, black, wet to moist | | | | | | | | | |
| 1 | | 2 | sandy clay, little silt & gravel, moist brown | | | | | | | | | |
| 2 | | 3 | black to brown sand, little silt, trace clay + gravel, moist | | | | | | | | | |
| 3 | | 3 1/2 | tan sand, med, moist to dry, (silt) | | | | | | | | | |
| 3 1/2 | | 4 1/2 | brown soft clay | | | | | | | | | |
| 4 1/2 | | 5 | brown/grey hard clay | | | | | | | | | |
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| NOTES AND COMMENTS CRA | DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____ WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____ COMPLETION DETAILS: _____ NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL. |
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STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH29C
 DATE/TIME STARTED 2/15
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN (ft/m) BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | S A M P L E I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|---|---------------------------------|--|---|----|--|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | O R D E R O F D E S C R I P T O R S: S O I L T Y P E S Y M B O L (S) - M A I N C O M P O N E N T (S), (N A T U R E O F D E P O S I T), S E C O N D A R Y C O M P O N E N T S, R E L A T I V E D E N S I T Y/ C O N S I S T E N C Y, G R A I N S I Z E/ P L A S T I C I T Y, G R A D A T I O N/ S T R U C T U R E, C O L O U R, M O I S T U R E C O N T E N T, S U P P L E M E N T A R Y D E S C R I P T O R S N O T E: P L A S T I C I T Y D E T E R M I N A T I O N R E Q U I R E S T H E A D D I T I O N O F M O I S T U R E I F T H E S A M P L E I S T O O D R Y T O R O L L (I N D I C A T E I F M O I S T U R E W A S A D D E D O R N O T). | S A M P L E # | S A M P L E L I G H T I N O D E | P E N E T R A T I O N R E C O R D S P L I T S P O O N B L O W S (R E C O R D N - V A L U E S & R E C O V E R I E S) | | | | | | |
| | | | | | | 6" | 6" | 6" | 6" | | | |
| 0 | | 1 | topsoil, black, wet to moist | | | | | | | | | |
| 1 | | 2 1/2 | concrete | | | | | | | | | |
| 2 1/2 | | 3 | black sand with slag, concrete, moist | | | | | | | | | |
| 3 | | 4 1/2 | brown soft clay | | | | | | | | | |
| 4 1/2 | | 5 | brown/gray hard clay | | | | | | | | | |
| | | | slight petroleum odor | | | | | | | | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: _____

CRA

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garry St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH36C
 DATE/TIME STARTED _____
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN (ft)/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | | | | | |
|---|------------------|---|--------------------|----------------|---------------------------------|--|---|----|----|----|--|--------------------------------------|--------------------------------------|--------------------------------------|---|
| FROM | TO | A | T | O | S A M P L E # | S A M P L E I N T E R V A L | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | S A M P L E R E C O V E R Y | P I D / F I D D | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
| | | | | | | | 6" | 6" | 6" | 6" | | | | | |
| 0 | 1 | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | |
| 2 | 3 1/2 | | | | | | | | | | | | | | |
| 2 | 3 1/2 | | | | | | | | | | | | | | |
| 3 1/2 | 5 | | | | | | | | | | | | | | |

ORDER OF DESCRIPTORS:
 SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT),
 SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY,
 GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR,
 MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS
 NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE
 SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).

NOTES AND COMMENTS
CRA
 DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: _____
 NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Former Warehouse
 PROJECT NUMBER 45285
 CLIENT GM Remediation
 LOCATION 700 Garcoy St. Saginaw, MI

DRILLING CONTRACTOR Altech
 DRILLER _____
 SURFACE ELEVATION vacant lot - grass
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH37
 DATE/TIME STARTED 2/15
 DATE/TIME COMPLETED _____
 DRILLING METHOD geoprobe
 CRA SUPERVISOR SSH

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | | | | |
|---|--------|--------|--|---------------------------------|--|---|----|----|----|--|--|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - MAIN COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N E N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | S A M P L E I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
| | | | | | | 6" | 6" | 6" | 6" | | | | | |
| 0 | | 3/4 | topsoil, black, wet to moist | | | | | | | | | | | |
| 3/4 | | 1 1/2 | black sand, med pieces of slag + concrete moist to wet | | | | | | | | | | | |
| 1 1/2 | | 3 | brown/black silty, sandy clay, trace gravel, moist | | | | | | | | | | | |
| 3 | | 4 | brown soft clay | | | | | | | | | | | |
| 4 | | 5 | brown/grey hard clay | | | | | | | | | | | |
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NOTES AND COMMENTS: _____
 DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____ AFTER _____ HOURS _____
 COMPLETION DETAILS: _____
CRA
 NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME _____
 PROJECT NUMBER 45285
 CLIENT _____
 LOCATION _____

DRILLING CONTRACTOR _____
 DRILLER _____
 SURFACE ELEVATION _____
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH12
 DATE/TIME STARTED _____
 DATE/TIME COMPLETED 3/28/12
 DRILLING METHOD _____
 CRA SUPERVISOR _____

| STRATIGRAPHIC INTERVALS (DEPTHS IN (ft)m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | S I N T E R V A L | P I D / F I D (ppm) | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E | |
|--|--------|--------|---|---------------------------------|--|---|----|----|----|---|---|--|--------------------------------------|--------------------------------------|---|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E I N T E R V A L N O D E | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | | | | | |
| | | | | | | 6" | 6" | 6" | 6" | N | | | | | | R |
| 0 | | 1 | topsoil, moist, black | | | | | | | | | | 0.5 | | | |
| 1 | | 2 | black sand (fill), debris, moist, fine to med grained | | | | | | | | | | 0.1 | | | |
| 2 | | 3 | sm-silty sand, trace gravel, brown, dry, firm | | | | | | | | | | | | | |
| 3 | | 4 | sm-silty sand, trace gravel + clay, moist, softer | | | | | | | | | | | | | |
| 4 | | 5 | cl-clay, little silt, trace sand/gravel, brown, firm, dry to moist | | | | | | | | | | | | | |
| 5 | | 5.25 | black sand seam, trace debris | | | | | | | | | | 5-10 | 0.1 | | |
| 5.25 | | 15 | cl-clay mottled brown/grey, trace, dry sand/gravel, little silt, med plas | | | | | | | | | | 10-15 | 0.0 | | |

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS 1
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____ AFTER _____ HOURS _____
 COMPLETION DETAILS: 15' BGS

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
 NOTES:
 Sample BH12/12A 8'-10' / 8'-10' dup 1220
 BHRB 10-12' 1230



STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME _____
 PROJECT NUMBER 45285
 CLIENT _____
 LOCATION _____

DRILLING CONTRACTOR _____
 DRILLER _____
 SURFACE ELEVATION _____
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH15
 DATE/TIME STARTED 3/28/12
 DATE/TIME COMPLETED _____
 DRILLING METHOD _____
 CRA SUPERVISOR _____

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E | | | |
|---|--------|--------|---|---------------------------------|--|---|----|----|----|---|--------------------------------------|--------------------------------------|---|--|--------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N G L O N G | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | | | S A M P L E I N T E R V A L | P I D I D (ppm) | |
| | | | | | | 6" | 6" | 6" | 6" | N | | | | | | R |
| 0 | | 1 | topsoil, moist, black | | | | | | | | 0 | | | | | |
| 1 | | 2 | black sand, debris, med grained, clay | | | | | | | | | 3.7 (2') | | | | |
| 2 | | 3 | sm - silty sand, trace clay/gravel | | | | | | | | | | | | | |
| 3 | | 5 | cl - clay some silt, brown/grey mottled, trace sand/gravel, dry | | | | | | | | | 0.2 (4') | | | | |
| 5 | | 5.25 | black sand seam, med to fine grained | | | | | | | | | 0.4 (5-5.25') | | | | |
| 5.25 | | 15 | cl - clay, trace silt + gravel, med, fine med, clay, mottled brown/grey | | | | | | | | | 1.7 (5.25-6') | | | | |
| | | | | | | | | | | | | 2.4 (8-9') | | | | |
| | | | | | | | | | | | | 0.2 (10-11') | | | | |
| | | | | | | | | | | | | 0.1 (11-12') | | | | |
| | | | | | | | | | | | | 0.0 (12-15') | | | | |

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS 1
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: 15 bgs
 NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL
 NOTES:
 Sample BH15 (12-13') 1245
 BH15B (14-15') 1250



STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Garey/Howard St.
 PROJECT NUMBER 45285
 CLIENT Racer Trust
 LOCATION Sageview, MI

DRILLING CONTRACTOR CRA Services
 DRILLER Pat & Dan
 SURFACE ELEVATION _____
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH16
 DATE/TIME STARTED 3/23/12
 DATE/TIME COMPLETED 3/28/12
 DRILLING METHOD geo probe
 CRA SUPERVISOR S. Hecover

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | | | | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E |
|---|--------|--------|---|---------------------------------|--|---|----|----|----|---|---|--|-----------------------|--------------------------------------|--------------------------------------|---|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E L I N E N O D E | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | S A M P L E I N T E R V A L | P I F I D | | | |
| | | | | | | 6" | 6" | 6" | 6" | N | R | | | | | |
| 0 | | 1 | topsoil, moist, black | driv tube | | | | | | | | 0-5 | 0.0 | | | |
| 1 | | 2 | sm - silty sand, dry, black/brown, fine to med, trace clay | | | | | | | | | | | | | |
| 2 | | 3 | sm - silty sand trace gravel, brown, dry | | | | | | | | | | | | | |
| 3 | | 4 | ml - silt, trace gravel, stiff, dry, brown | | | | | | | | | | | | | |
| 4 | | 6 | cl - clay, mottled brown/grey, little silt, trace sand & gravel | | | | | | | | | 5-100 | 0.0 | | | |
| 6 | | 6.25 | seam of black sand, med to fine, debris (bricks, concrete) | | | | | | | | | | | | | |
| 6.25 | | 15 | cl - clay, brown, little silt, trace sand & gravel, med plus, dry | | | | | | | | | 10-150 | 0.0 | | | |

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS 1
 WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____
 COMPLETION DETAILS: 15' bgs
 NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
 NOTES:
 Sample BH16 8-10' 1150
 BH16B 10-12' 1200



STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME _____
 PROJECT NUMBER 45205
 CLIENT _____
 LOCATION _____

DRILLING CONTRACTOR _____
 DRILLER _____
 SURFACE ELEVATION _____
 WEATHER (A.M.) _____
 (P.M.) _____

HOLE DESIGNATION BH32E
 DATE/TIME STARTED _____
 DATE/TIME COMPLETED 3/28/12
 DRILLING METHOD _____
 CRA SUPERVISOR _____

| STRATIGRAPHIC INTERVALS (DEPTHS IN ft m BGS) | | | SAMPLE DESCRIPTION | SAMPLE DETAILS | | | | | | | | | | C H E M I C A L | A N A L Y S I S | G R A I N S I Z E | |
|--|--------|--------|---|---------------------------------|---|---|----|----|----|---|---|---|--------------------------------------|--------------------------------------|--------------------------------------|---|-----------------------|
| F R O M | A T | T O | ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) - PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT). | S A M P L E # | S A M P L E I N O G D | PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) | | | | | | S A M P L E P L E R V A L | I N T E R V A L | | | | P / F I D |
| | | | | | | 6" | 6" | 6" | 6" | N | R | | | | | | |
| 0 | | 1 | topsoil, moist, black | | | | | | | | | | 0-5 | 0.0 | | | |
| 1 | | 2 | sand fill debris (concrete/metal), med grained, dry, black/brown red | | | | | | | | | | | | | | |
| 2 | | 3 | sm-silty sand, trace gravel, brown to mottled grey , dry to moist | | | | | | | | | | | | | | |
| 3 | | 4 | sm-silty sand / ml-silt, soft moist, brown to mottled grey | | | | | | | | | | | | | | |
| 4 | | 10 | cl-clay, mottled brown/grey, trace sand / gravel, little silt, firm, dry | | | | | | | | | | 5-10 | 0.0 | | | |
| 10 | | 15 | cl-clay, brown, little sand/silt trace gravel, med plus, moist to dry | | | | | | | | | | 10-15 | 0.0 | | | |

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS 1

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER _____ HOURS _____

COMPLETION DETAILS: 15' bgs

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

NOTES:
 Sample BH32E 8'-10' 1315
 BH32EB 10'-12' 1325



Appendix D

Non-Hazardous Waste Manifests – Whitefeather Landfill

estimated at 40 ton

MANIFEST NUMBER

716301

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____

c. Address: 700 GAREY ST. d. Address: 2900 ECORSE RD.
SAGINAW, MI YPSILANTI, MI

e. Phone No.: 217-741-6235 f. Phone No.: _____

g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS

Color: BROWN Odor: NONE

h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #123

| J. Containers | | K. Total Quantity | L. Unit Wt/Vol |
|---------------|------|-------------------|----------------|
| No. | Type | | |
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Steven S. Howmeyer-UEA
Generator Authorized Agent Name

Signature

04/21/12
Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.

b. Address: 614 JEFFERSON AVE.
MIDLAND, MI

c. Driver Name: _____

d. Phone No.: 89-835-771 e. Truck No.: 305

f. Vehicle License No./State: _____

TRANSPORTER 2

h. Name: _____

i. Address: _____

j. Driver Name: _____

k. Phone No.: _____ l. Truck No.: _____

m. Vehicle License No./State: _____

g. M. Howmeyer
Driver Signature

04/21/12
Shipment Date

n. _____
Driver Signature

Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____

c. Physical Address: 2401 E. WHITEFEATHER RD.
PINCONNING, MI 49850 989-879-2700

d. Mailing Address: _____

e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

Jonnie Habron
Authorized Agent Name

Signature

04/15/12
Shipment Date

White - Disposal Facility

Yellow - Transporter Conv

Pink - Generator 2nd Conv

Gold - Generator 1st Conv

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required.
Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: 250 COURSE RD.
SAGINA W, MI YPSILANTI, MI
 e. Phone No.: 217-741-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers No. | Type | K. Total Quantity | L. Unit Wt/Vol |
|-------------------|------|-------------------|----------------|
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Steven S. Howmeyer - CRA [Signature]
 Generator Authorized Agent Name Signature

04/11/12
 Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1
 a. Name: FISHER CONTRACTING CO.
 b. Address: 614 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: MICK ELDRED
 d. Phone No.: 89-835-7771 e. Truck No.: ET-318
 f. Vehicle License No./State: AC28627
 Acknowledgement of Receipt of Materials Described Above.
 g. Mick Eldred 4/11/12
 Driver Signature Shipment Date

TRANSPORTER 2
 h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 n. _____
 Driver Signature Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 2401 E. WHITEFEATHER RD. d. Mailing Address: _____
PONCONNING, MI 49650 989-879-2700
 e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

Jennifer Habron [Signature] 04/11/12
 Authorized Agent Name Signature Shipment Date



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|--|------------------|---------------------|---------------------------|
| SITE | TICKET 048745 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 12 Apr 12 9:22 am | | VEHICLE WFIS-332 | |
| DATE OUT / TIME OUT 12 Apr 12 9:47 am | | ROLL OFF | |
| REFERENCE MANIFEST #716288 | | ORIGIN SAGINAW | |

00 Gross Weight 159,100.00 lb
 Tare Weight 49,840.00 lb
 Net Weight 109,260.00 lb 54.63 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|-------|------|------------------------|------|-----------|-----|-------|
| 54.63 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| | | Inbound - SCALE TICKET | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

Re-order from BFI Print & Promotion Solutions 1-888-254-8784

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: 236 COURSE RD.
SABINA MI MI ANTI, MI
 e. Phone No.: 217-741-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BRDWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers | | K. Total Quantity | L. Unit Wt/Vol |
|---------------|------|-------------------|----------------|
| No. | Type | | |
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Stacy S. Hoesly Signature: [Signature]

Shipment Date: 04/21/2

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 614 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: Matt Hale
 d. Phone No.: 810-235-7771 e. Truck No.: FT332
 f. Vehicle License No./State: AA50575
Acknowledgement of Receipt of Materials Described Above.
 g. Driver Signature: [Signature] Shipment Date: 04/21/2

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
Acknowledgement of Receipt of Materials Described Above.
 n. Driver Signature: _____ Shipment Date: _____

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 2001 E. WHITEFEATHER RD.
WINCONNING, MI 48150 989-379-2700
 d. Mailing Address: _____
 e. TICKET No.: 048745 54.63 TN

I hereby certify that the material described above has been accepted for disposal at this facility.

f. Authorized Agent Name: [Signature] Signature: [Signature] Shipment Date: 04/21/2



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641

Contract: 30701119719

| | | | |
|--|------------------|-------------------|---------------------------|
| SITE | TICKET 048728 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 11 Apr 12 3:34 pm | | | VEHICLE WFIS-314 |
| DATE OUT / TIME OUT 11 Apr 12 3:34 pm | | | ROLL OFF |
| REFERENCE MANIFEST #716304 | | ORIGIN SAGINAW | |

00 Gross Weight 149,680.00 lb
 Stored Tare Weight 52,980.00 lb
 Net Weight 96,700.00 lb 48.35 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|-------|------|------------------------|------|-----------|-----|-------|
| 48.35 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| | | Inbound - SCALE TICKET | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R. TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: 2811 CORSE RD.
SAGINAW, MI YPSILANTI, MI
 e. Phone No.: 217-441-8335 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers | | K. Total Quantity | L. Unit Wt/Vol |
|---------------|------|-------------------|----------------|
| No. | Type | | |
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

on behalf of Race R. Trust
Steven E. Hoewener - CRA [Signature]
 Generator Authorized Agent Name Signature

04/11/12
 Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 414 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: Ben Lauria
 d. Phone No.: 989-835-1711 e. Truck No.: _____
 f. Vehicle License No./State: AB86231

g. [Signature] 04/11/12
 Driver Signature Shipment Date

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____

n. _____ _____
 Driver Signature Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 101 E. WHITEFEATHER RD.
ANN ARBOR, MI 48106-5050 989-877-2700
 d. Mailing Address: _____
 e. TICKET No.: 48728 48.35 Ton

I hereby certify that the material described above has been accepted for disposal at this facility.

f. [Signature] 04/11/12
 Authorized Agent Name Signature Shipment Date



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|--|------------------|-------------------|---------------------------|
| SITE | TICKET 048726 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 11 Apr 12 3:27 pm | | | VEHICLE WFIS-305 |
| DATE OUT / TIME OUT 11 Apr 12 3:27 pm | | | ROLL OFF |
| REFERENCE MANIFEST #716303 | | ORIGIN SAGINAW | |

00 Gross Weight 166,920.00 lb
 Stored Tare Weight 54,740.00 lb
 Net Weight 112,180.00 lb 56.09 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|------------------------|------|-------------------|------|-----------|-----|-------|
| 56.09 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| Inbound - SCALE TICKET | | | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACER TRUST b. Generator Location: _____
 c. Address: 700 GAHEY ST. d. Address: 290 SCORSE RD.
SAGINAW, MI YPSILANTI, MI
 e. Phone No.: 217-741-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers | K. Total Quantity | L. Unit Wt/Vol |
|---------------|-------------------|----------------|
| No. Type | | |
| | | |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Stacy S. Heuser (CR) on behalf of Racer Trust
 Generator Authorized Agent Name Signature

04/11/12
 Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 314 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: _____
 d. Phone No.: 810-335-7711 e. Truck No.: 305
 f. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 g. M. Apple M. Apple
 Driver Signature Shipment Date

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 n. _____
 Driver Signature Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 3001 E. WHITEFEATHER RD. d. Mailing Address: _____
PINCUNNING, MI 48650 589-879-2100
 e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

f. Jennifer L. K... Jennifer L. K...
 Authorized Agent Name Signature Shipment Date



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|--|------------------|---------------------|---------------------------|
| SITE | TICKET 048741 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 12 Apr 12 8:57 am | | VEHICLE WFIS-314 | |
| DATE OUT / TIME OUT 12 Apr 12 8:57 am | | ROLL OFF | |
| REFERENCE MANIFEST #716287 | | ORIGIN SAGINAW | |

00 Gross Weight 163,560.00 lb
 Stored Tare Weight 52,980.00 lb
 Net Weight 110,580.00 lb 55.29 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|-------|------|------------------------|------|-----------|-----|-------|
| 55.29 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| | | Inbound - SCALE TICKET | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: 291 ECORSE RD.
SAGINAW, MI YPSILANTI, MI
 e. Phone No.: 217-741-6236 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers | | K. Total Quantity | L. Unit Wt/Vol |
|---------------|------|-------------------|----------------|
| No. | Type | | |
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Steven S. Hoenes - CRA on behalf of Race R Trust
 Generator Authorized Agent Name Signature

04/12/12
 Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 204 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: Ben Lauria
 d. Phone No.: 810-835-1711 e. Truck No.: 314
 f. Vehicle License No./State: AB86231 MI
 Acknowledgement of Receipt of Materials Described Above.
 g. Ben Lauria 04/12/12
 Driver Signature Shipment Date

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 n. _____ 04/12/12
 Driver Signature Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
1401 E. WHITEFEATHER RD.
 c. Physical Address: _____ d. Mailing Address: _____
MONCONNING, MI 48650 989-879-2700
 e. TICKET No.: 048741 55.29 TN

I hereby certify that the material described above has been accepted for disposal at this facility.

f. Steven S. Hoenes 04/12/12
 Authorized Agent Name Signature Shipment Date



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|--|------------------|-------------------|---------------------------|
| SITE | TICKET 048738 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 12 Apr 12 8:50 am | | | VEHICLE WFIS-305 |
| DATE OUT / TIME OUT 12 Apr 12 8:50 am | | | ROLL OFF |
| REFERENCE MANIFEST #716286 | | ORIGIN SAGINAW | |

00 Gross Weight 159,140.00 lb
 Stored Tare Weight 54,740.00 lb
 Net Weight 104,400.00 lb 52.20 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|------------------------|------|-------------------|------|-----------|-----|-------|
| 52.20 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| Inbound - SCALE TICKET | | | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GARNEY ST. d. Address: 28 SCORSE RD.
SAGINAW, MI YF ANTI, MI
 e. Phone No.: 217-741-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers | | K. Total | L. Unit |
|---------------|------|----------|---------|
| No. | Type | Quantity | Wt/Vol |
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

on behalf of Race R Trust
Steven S. Hochmeyer - CRA SEA Saoy

041212
 Shipment Date

Generator Authorized Agent Name _____ Signature _____

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 614 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: _____
 d. Phone No.: 989-835-1771 e. Truck No.: 305
 f. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.

g. Steven S. Hochmeyer 041212
 Driver Signature _____ Shipment Date _____

n. _____
 Driver Signature _____ Shipment Date _____

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
1401 E. WHITEFEATHER RD.
 c. Physical Address: _____ d. Mailing Address: _____
PINCONNING, MI 48650 989-879-2700
 e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

f. Steven S. Hochmeyer 041212
 Authorized Agent Name _____ Signature _____ Shipment Date _____



2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

WHITEFEATHER LANDFILL

000128

FISHER CONTRACTING

PO BOX 1787

MIDLAND, MI 48641

Contract: 30701119719

| | | | |
|---------------------|--------|-----------|-------------|
| SITE | TICKET | GRID | WEIGHMASTER |
| | 048711 | | JENNIFER L |
| DATE IN / TIME IN | | VEHICLE | |
| 11 Apr 12 1:30 pm | | WFISH-302 | |
| DATE OUT / TIME OUT | | ROLL OFF | |
| 11 Apr 12 1:30 pm | | | |
| REFERENCE | | ORIGIN | |
| MANIFEST #716305 | | SAGINAW | |

00 Gross Weight 153,300.00 lb
 Stored Tare Weight 54,540.00 lb
 Net Weight 98,760.00 lb 49.38 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|-------|------|------------------------|------|-----------|-----|-------|
| 49.38 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| | | Inbound - SCALE TICKET | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACOR TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: EX 12 COURSE RD.
SAGINAW, MI YPSILANTI, MI
 e. Phone No.: 217-141-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #125

| J. Containers | | K. Total | L. Unit |
|---------------|------|----------|---------|
| No. | Type | Quantity | Wt/Vol |
| 1 | TR | | Y |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Stevie S. Nowinski - CRA [Signature] 09/11/12
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 614 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: [Signature]
 d. Phone No.: 810-835-7771 e. Truck No.: F130
 f. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 g. [Signature] 9/11/12
 Driver Signature Shipment Date

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 n. _____ _____
 Driver Signature Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 401 E. WHITEFEATHER RD.
WYCONNING, MI 48150 989-679-2700
 d. Mailing Address: _____
 e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

f. [Signature] [Signature] [Signature]
 Authorized Agent Name Signature Shipment Date



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641

Contract: 30701119719

| | | | |
|--|------------------|-------------------|---------------------------|
| SITE | TICKET 048706 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 11 Apr 12 12:40 pm | | | VEHICLE WFISH-318 |
| DATE OUT / TIME OUT 11 Apr 12 1:19 pm | | | ROLL OFF |
| REFERENCE MANIFEST #716306 | | ORIGIN SAGINAW | |

00 Gross Weight 132,840.00 lb
 Stored Tare Weight 52,160.00 lb
 Net Weight 80,680.00 lb 40.34 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|------------------------|------|-------------------|------|-----------|-----|-------|
| 40.34 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| Inbound - SCALE TICKET | | | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

Re-order from BFI Print & Promotion Solutions 1-888-254-8784

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GAKEY ST. d. Address: 291 COURSE RD.
SAGINAW, MI VP ANTI, MI
 e. Phone No.: 217-741-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers No. | Type | K. Total Quantity | L. Unit Wt/Vol |
|-------------------|------|-------------------|----------------|
| | | | |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations. *on behalf of Race R Trust*

Stuart S. Howenmyer [Signature]
 Generator Authorized Agent Name Signature

641112
 Shipment Date

TYPE

DM - METAL DRUM
 DP - PLASTIC DRUM
 DF - FIBER DRUM
 BG - BAG
 TR - TRUCK
 OT - OTHER

UNITS

P - POUNDS
 Y - CUBIC YARDS
 T - TONS
 O - OTHER

TRANSPORTER INFORMATION

| TRANSPORTER 1 | TRANSPORTER 2 |
|--|--|
| a. Name: <u>FISHER CONTRACTING CO.</u> b. Address: <u>614 JEFFERSON AVE.</u> <u>MIDLAND, MI</u> c. Driver Name: _____ d. Phone No.: <u>810-5770</u> e. Truck No.: <u>#318</u> f. Vehicle License No./State: <u>AC 28627</u> <small>Acknowledgement of Receipt of Materials Described Above.</small> g. <u>Mick Eldred</u> <u>41112</u> Driver Signature Shipment Date | h. Name: _____ i. Address: _____ j. Driver Name: _____ k. Phone No.: _____ l. Truck No.: _____ m. Vehicle License No./State: _____ <small>Acknowledgement of Receipt of Materials Described Above.</small> n. _____ _____ Driver Signature Shipment Date |

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 401 E. WHITEFEATHER RD.
CONCORDIA, MI 48650 981-4179-2700 d. Mailing Address: _____
 e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

f. Walter Labrecque [Signature] 41112
 Authorized Agent Name Signature Shipment Date



WHITEFEATHER LANDFILL
 2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|---|------------------|---------------------|---------------------------|
| SITE | TICKET 048702 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 11 Apr 12 12:30 pm | | VEHICLE WFIS-314 | |
| DATE OUT / TIME OUT 11 Apr 12 12:57 pm | | ROLL OFF | |
| REFERENCE MANIFEST #716307 | | ORIGIN SAGINAW | |

00 Gross Weight 130,580.00 lb
 Stored Tare Weight 52,980.00 lb
 Net Weight 77,600.00 lb 38.80 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|-------|------|------------------------|------|-----------|-----|-------|
| 38.80 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| | | Inbound - SCALE TICKET | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

Re-order from BFI Print & Promotion Solutions 1-888-254-8784

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: 29 ECORSE RD.
SAGINAW, MI YP ANTL, MI
 e. Phone No.: 217-741-6236 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #128

| J. Containers No. | Type | K. Total Quantity | L. Unit Wt/Vol |
|-------------------|------|-------------------|----------------|
| | | <u>388</u> | <u>T</u> |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Bob Howemyer Signature 04/11/12 Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 514 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: Ben Lauria
 d. Phone No.: 810-305-7711 e. Truck No.: 314
 f. Vehicle License No./State: AB886231
 Acknowledgement of Receipt of Materials Described Above.
 g. Ben Lauria Driver Signature 04/11/12 Shipment Date

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials Described Above.
 n. _____ Driver Signature _____ Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
 c. Physical Address: 401 E. WHITEFEATHER RD.
LANCANNING, MI 48650 989-679-2700
 d. Mailing Address: _____
 e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

f. Steve S. Howemyer Authorized Agent Name Bob Howemyer Signature 04/11/12 Shipment Date



WHITEFEATHER LANDELL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|---|------------------|-------------------|---------------------------|
| SITE | TICKET 048696 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 11 Apr 12 12:06 pm | | | VEHICLE WFIS-305 |
| DATE OUT / TIME OUT 11 Apr 12 12:36 pm | | | ROLL OFF |
| REFERENCE MANIFEST #716309 | | ORIGIN SAGINAW | |

00 Gross Weight 102,940.00 lb
 Stored Tare Weight 54,740.00 lb
 Net Weight 48,200.00 lb 24.10 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|-------|------|------------------------|------|-----------|-----|-------|
| 24.10 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| | | Inbound - SCALE TICKET | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

Re-order from BFI Print & Promotion Solutions 1-888-254-8784

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required. Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____
 c. Address: 700 GAREY ST. d. Address: 26 E CORSE RD.
SAGINAW, MI YPSILANTI, MI
 e. Phone No.: 217-741-6235 f. Phone No.: _____
 g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS
 Color: BROWN Odor: NONE
 h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #123

| J. Containers No. Type | K. Total Quantity | L. Unit Wt/Vol |
|------------------------------|-------------------------|----------------------|
| | | |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____

Signature _____

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.
 b. Address: 614 JEFFERSON AVE.
MIDLAND, MI
 c. Driver Name: _____
 d. Phone No.: 810-335-1770 e. Truck No.: FT 305
 f. Vehicle License No./State: _____

Acknowledgement of Receipt of Materials Described Above.

g. Morgan Mitchell
 Driver Signature

| | | | | | |
|---|---|---|---|---|---|
| 0 | 4 | 1 | 1 | 1 | 2 |
|---|---|---|---|---|---|

Shipment Date

TRANSPORTER 2

h. Name: _____
 i. Address: _____
 j. Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____

Acknowledgement of Receipt of Materials Described Above.

n. _____
 Driver Signature

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____
1401 E. WHITEFEATHER RD.
 c. Physical Address: _____ d. Mailing Address: _____
PONCUNNING, MI 48650 989-879-2700

e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

Steve Howmeyer
 Authorized Agent Name

Signature

| | | | | |
|---|---|---|---|---|
| 0 | 4 | 1 | 1 | 2 |
|---|---|---|---|---|

Shipment Date



WHITEFEATHER LANDFILL

2401 East Whitefeather Road, Pinconning, MI 48650
 WASTE COLLECTION • RECYCLING • TRANSFER • DISPOSAL

000128
 FISHER CONTRACTING

PO BOX 1787
 MIDLAND, MI 48641
 Contract: 30701119719

| | | | |
|---|------------------|-------------------|---------------------------|
| SITE | TICKET 048685 | GRID | WEIGHMASTER JENNIFER L |
| DATE IN / TIME IN 11 Apr 12 10:47 am | | | VEHICLE WFISH-302 |
| DATE OUT / TIME OUT 11 Apr 12 11:04 am | | | ROLL OFF |
| REFERENCE MANIFEST #716285 | | ORIGIN SAGINAW | |

00 Gross Weight 122,760.00 lb
 Stored Tare Weight 54,540.00 lb
 Net Weight 68,220.00 lb 34.11 TN

| QTY. | UNIT | DESCRIPTION | RATE | EXTENSION | FEE | TOTAL |
|------------------------|------|-------------------|------|-----------|-----|-------|
| 34.11 | TN | SW-CONT SOIL | | | | |
| 1.00 | LD | ENVIRONMENTAL FEE | | | | |
| 1.00 | LD | FUEL RECOVERY FEE | | | | |
| Inbound - SCALE TICKET | | | | | | |

| |
|-------------------|
| NET AMOUNT |
| TENDERED |
| CHANGE |
| CHECK NO. |

SIGNATURE _____

MANIFEST NUMBER
716285

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Directions: Print or type all information except where signature is required.
Make sure information is transmitted on all copies.

GENERATOR INFORMATION

a. Generator Name: RACE R TRUST b. Generator Location: _____

c. Address: 700 GAREY ST. d. Address: 2900 ECORSE RD.
SAGINAW, MI YPSILANTI, MI

e. Phone No.: 217-741-6235 f. Phone No.: _____

g. Waste Common Name: LEAD IMPACTED SOIL & DEBRIS

Color: BROWN Odor: NONE

h. Special Waste Approval Number: 3070 11 19719

i. Customer Account Number: #123

| J. Containers No. | K. Total Quantity | L. Unit Wt/Vol |
|-------------------|-------------------|----------------|
| | | |

| TYPE | |
|-------|----------------|
| DM | - METAL DRUM |
| DP | - PLASTIC DRUM |
| DF | - FIBER DRUM |
| BG | - BAG |
| TR | - TRUCK |
| OT | - OTHER |
| UNITS | |
| P | - POUNDS |
| Y | - CUBIC YARDS |
| T | - TONS |
| O | - OTHER |

GENERATOR'S CERTIFICATION: I hereby certify that the above mentioned material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law; has been properly classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____

Signature _____

Shipment Date

TRANSPORTER INFORMATION

TRANSPORTER 1

a. Name: FISHER CONTRACTING CO.

b. Address: 514 JEFFERSON AVE.
MIDLAND, MI

c. Driver Name: Danil Whisenand

d. Phone No.: 989-835-7771 e. Truck No.: _____

f. Vehicle License No./State: _____

Acknowledgement of Receipt of Materials Described Above.

g. [Signature]
Driver Signature

Shipment Date

TRANSPORTER 2

h. Name: _____

i. Address: _____

j. Driver Name: _____

k. Phone No.: _____ l. Truck No.: _____

m. Vehicle License No./State: _____

Acknowledgement of Receipt of Materials Described Above.

n. _____
Driver Signature

Shipment Date

DISPOSAL FACILITY INFORMATION

a. Site Name: WHITEFEATHER LANDFILL b. Phone No.: _____

c. Physical Address: 101 E. WHITEFEATHER RD.
PONCONING, MI 49850 989-879-2700

d. Mailing Address: _____

e. TICKET No.: _____

I hereby certify that the material described above has been accepted for disposal at this facility.

f. [Signature]
Authorized Agent Name

Signature _____

Shipment Date

Appendix E

Declaration of Restrictive Covenant



2014021735
L-2780 P-1475 R RS
Page 1 of 10
OFFICIAL SEAL Saginaw County, Michigan
Mildred M. Dodak Register Of Deeds
July 28, 2014 09:46 AM

DECLARATION OF RESTRICTIVE COVENANT

DEQ Reference No: RC-RRD-201-13-11

This Declaration of Restrictive Covenant ("Restrictive Covenant") has been recorded with the Saginaw County Register of Deeds for the purpose of protecting public health, safety, and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the property located at 700 Garey Street, Saginaw, MI (Tax Identification Number 08-0002-0000), and legally described in Exhibit 1 attached hereto ("Property") and illustrated in Exhibit 2.

Response activities were implemented to address environmental contamination at the Property pursuant to Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 *et seq.* The response activities that were implemented to address environmental contamination are fully described in a letter entitled Investigation Summary and Proposed Site Closure dated October 13, 2011, prepared by Conestoga-Rovers & Associates, Inc. The Michigan Department of Environmental Quality (DEQ) approved the proposed Site closure activities on December 1, 2011, pursuant to Part 201 of NREPA.

The Property described contains hazardous substances in excess of the concentrations developed as the unrestricted residential criteria under Section 20120a(1)(a) or (17) of the NREPA. The DEQ recommends that prospective purchasers or users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of NREPA.

The response activities required the recording of this Restrictive Covenant with the Saginaw County Register of Deeds to: 1) restrict unacceptable exposures to hazardous substances located on the Property; 2) assure that the use of Property is consistent with the exposure assumptions used to develop the nonresidential cleanup criteria under Section 20120a(1)(b) of the NREPA and the exposure control measures relied upon at the Property.

The restrictions contained in this Restrictive Covenant are based upon information available at the time the response activities were implemented. Failure of the response activities to achieve and maintain the criteria, exposure controls, and any requirements specified by the response activities; future changes in the environmental condition of the Property or changes in the nonresidential cleanup criteria under Section 20120a(1)(b) of NREPA; the discovery of environmental conditions at the Property that were not accounted for during implementation of the response activities; or use of the Property in a manner inconsistent with the restrictions

10p \$41.00

David Taverio
500 Woodward Ave
Ste 1510
Detroit MI 48226

2014 AUG 1 10 52 AM

described herein, may result in this Restrictive Covenant not being protective of public health, safety, and welfare, and the environment.

Exhibit 2 provides a survey of the Property that is subject to the land use or resource use restrictions specified herein.

Definitions

For the purposes of this Restrictive Covenant, the following definitions shall apply:

"DEQ" means the Michigan Department of Environmental Quality, its successor entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof. The current Owner of the Property is RACER Properties, LLC, the wholly-owned subsidiary of Revitalizing Auto Communities Environmental Response Trust ("Trust") (RACER Properties and the Trust are collectively referred to herein as "RACER"). RACER was established and assumed the rights, title, and interest of Motors Liquidation Company in and to the Property pursuant to an Environmental Response Trust Consent Decree and Settlement Agreement ("Settlement Agreement") entered by the U.S. Bankruptcy Court for the Southern District of New York on March 29, 2011, in the case of *In re Motors Liquidation Company, et al*, Debtors, Case No. 09-50026 (REG), among the Debtors, the United States of America, certain states including the State of Michigan, the Saint Regis Mohawk Tribe, and EPLET, LLC, (not individually but solely in its representative capacity as Administrative Trustee of the Trust).

All other terms used in this document which are defined in Part 3, Definitions, of NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules, 2002 Michigan Register; Effective December 21, 2002, shall have the same meaning in this document as in Parts 3 and 201 of NREPA and the Part 201 Administrative Rules, as of the date of filing of this Restrictive Covenant.

Summary of Response Activities

Hazardous substances including lead, trichloroethylene (TCE), benzo(a)pyrene, total chromium, and arsenic were identified above screening criteria (Act 451 Part 201 nonresidential direct contact criteria and/or drinking water protection criteria) and are present on the Property. Prior to the recording of this Restrictive Covenant, response activities were undertaken to remove some of the hazardous substances. Approximately 600 cubic yards of soil were removed and disposed of off-Site to eliminate direct contact exposures to soils containing lead above Act 451 Part 201 nonresidential direct contact criteria at the Site. Soil marginally exceeds Act 451 Part 201 nonresidential direct contact for benzo(a)pyrene at two locations. A statistical analysis was completed for benzo(a)pyrene for all the samples collected on Site. The 95 percent upper confidence level (UCL) for benzo(a)pyrene was calculated to be 2.6 mg/kg, which is below the Act 451 Part 201 nonresidential direct contact criteria of 8 mg/kg. The remaining hazardous substances (TCE, total chromium, and arsenic) exceed the Act 451 Part 201 nonresidential drinking water protection criteria, however, since groundwater was not encountered during the investigation and the Site is underlain by a continuous extensive clay layer, the Act 451 Part 201 nonresidential drinking water protection criteria is not applicable.

NOW THEREFORE,

1. Declaration of Land Use or Resource Use Restrictions. RACER Properties, LLC (RACER) the Owner of the Property, hereby declares and covenants that the Property shall be subject to the following restrictions and conditions:

a. Prohibited Land Uses: The Owner shall prohibit uses of the property that are not compatible with or are inconsistent with the assumptions and basis for the nonresidential cleanup criteria established pursuant to Section 20120a(1)(b) of the NREPA. Uses that are compatible with nonresidential cleanup criteria are generally described in Exhibit 3 (Allowable Uses). Cleanup criteria for land-use based response activities are located in the Government Documents Section of the State of Michigan Library.

b. Prohibited Activities to Eliminate Unacceptable Exposure to Hazardous Substances. The Owner shall prohibit activities on the property that may result in exposures to hazardous substances at the Property. These prohibited activities include:

Any construction of wells or other devices to extract groundwater for consumption, irrigation, dewatering, or any other use, except for wells and devices that are part of a DEQ-approved response activity.

c. Contaminated Soil Management. The Owner shall manage all soils, media and/or debris located on the property in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management, of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. Section 6901 *et seq.*; the administrative rules promulgated thereunder; and all other relevant state and federal laws.

2. Access for DEQ. The Owner grants to the DEQ and other governmental agencies and their respective designated representatives the right to enter the Property at reasonable times for the purpose of determining and monitoring compliance with the response activities, including the right to take samples, inspect the operation of the response activities and inspect any records relating thereto, and to perform any actions necessary to maintain compliance with Part 201.

3. Conveyance of Property Interest. The Owner shall provide notice to the DEQ of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance. A conveyance of title, easement, or other interest in the Property shall not be consummated by the Owner without adequate and complete provision for compliance with the applicable provisions of Section 20116 of NREPA. The notice required to be made to the DEQ under this Paragraph shall be made to: Chief, Remediation Division, Michigan DEQ, P.O. Box 30426, Lansing, Michigan 48909-7926; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant, DEQ Reference Number RC-RD-201-13-11. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

4. Term of Restrictive Covenant. This Restrictive Covenant shall run with the Property and shall be binding on the Owner; future owners; and their successors and assigns, lessees, easement holders, and any authorized agents, employees, or persons acting under their direction and control. This Restrictive Covenant shall continue in effect until the DEQ or its successor determines that hazardous substances no longer present an unacceptable risk to the

public health, safety, or welfare, or the environment. This Restrictive Covenant may only be modified or rescinded with the written approval of the DEQ.

5. Enforcement of Restrictive Covenant. The State of Michigan, through the DEQ, and RACER may individually enforce the restrictions set forth in this Restrictive Covenant by legal action in a court of competent jurisdiction.

6. Limitation on RACER's Liability. RACER's and the Administrative Trustee's liability is limited by the terms and conditions of the Settlement Agreement, which are incorporated herein by reference.

7. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof, and all such other provisions shall continue unimpaired and in full force and effect.

8. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant represents and certifies that he is a duly authorized representative of the Owner and has been empowered to execute and deliver this Restrictive Covenant.

**[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK. SIGNATURE
PAGES FOLLOW.]**

IN WITNESS WHEREOF, RACER Properties LLC has caused this Restrictive Covenant, RC-RRD-201-13-11, to be executed on this 28 day of July, 2014.

RACER PROPERTIES LLC

By: EPLET, LLC, a Delaware limited liability company, acting solely in its representative capacity as Non-Member Manager

By: Elliott P. Laws
Elliott P. Laws, not individually, but acting solely in his representative capacity as Managing Member of EPLET, LLC

STATE OF MICHIGAN
COUNTY OF Oakland

The foregoing instrument was acknowledged before me this July 28 2014 by Elliott P. Laws, not individually, but acting solely in his capacity as Managing Member of EPLET, LLC, a Delaware limited liability company acting solely in its representative capacity as Non-Member Manager of RACER Properties LLC, a Delaware limited liability company, and in its capacity as Administrative Trustee of Revitalizing Auto Communities Environmental Response Trust, a New York trust, on behalf of said limited liability company and said trust.

Tracie L. Nichols
Notary Public Signature

TRACIE L. NICHOLS
Notary Public, State of Michigan
County of Oakland
My Commission Expires 03-19-2017
Acting in the County of Wayne

Name of Notary Public Tracie L. Nichols
Notary Public, State of Michigan
County of Oakland
My Commission Expires: 3/19/17
Acting in the County of Wayne

This document is exempt from state and county transfer taxes pursuant MCL 207.505(a) and MCL 207.526(a).]

When recorded return to:

David Favero
RACER Trust Deputy Cleanup Manager – Michigan
500 Woodward Avenue, Suite 1510
Detroit, Michigan 48226

EXHIBIT 1

LEGAL DESCRIPTION OF PROPERTY



Spicer Group
 230 S. Washington Avenue
 Saginaw, MI 48607-1286
 TEL (989) 754-4717
 FAX (989) 754-4440
 www.SpicerGroup.com

DWG. NO.: A-26925-2

SURVEY FOR: Conestoga Rovers & Associates
 651 Colby Drive
 Waterloo, Ontario, Canada

DATE: September 10, 2012

SURVEY OF:

TITLE SOURCE, COMMITMENT #45158607

A parcel of land, being part of Block 6 and 7, all in BREWSTER PARK ADDITION to the City of East Saginaw, now the City of Saginaw, Saginaw County, Michigan, according to the plat thereof recorded in Liber 38, Page 195, and that part of Owen Street vacated by Saginaw City Council December 23, 1919, and that part of Howard Street, vacated by Saginaw City Council June 8, 1915, and that part of Morse (now known as Garey) Street vacated by Saginaw City Council December 24, 1935, described as follows: Commencing at the point of intersection of the West line of the Brown street right-of-way and the North line of the Grand Trunk Western Railroad Company right-of-way; thence S.88°-21'-28"W., on said North line of the Grand Trunk Western Railroad Company right-of-way, 584.74 feet to the Easterly line of the existing Owen Street right-of-way, said Easterly line being the arc of a curve to the right having a radius of 488.67 feet; thence Northeasterly on said Easterly line of existing Owen Street and on the arc of said curve to the right, 60.26 feet to the point of tangency of said curve, said arc being subtended by a chord bearing, N.11°-47'-04"E., 60.22 feet to said point of tangency; thence N.15°-19'-00"E., on said Easterly line of the existing Owen Street right-of-way, 326.17 feet to the South line of existing Garey Street right-of-way; thence S.74°-34'-23"E., on said South line of Garey Street; 15.00 feet to the Northwest corner of said Block 6 of said Brewster Park Addition, according to the plat thereof recorded in Liber 38, Page 195 of Plats, Saginaw County Records; thence N.15°-19'-00"E., on the Northerly extension of the Westerly line of Block 6 of said Brewster Park Addition, 3.00 feet; thence S.74°-34'-23"E., on the North line of a 3.00 foot strip of said Morse (now Garey) street vacated by Council December 24, 1935, and also on a line which is parallel to and 30.00 feet, measured at right angles, South of the centerline of said Garey Street right-of-way, 547.00 feet to said West line of Brown Street; thence S.15°-13'-51"W., on said West line of Brown Street, 217.63 feet to the point of beginning.



I hereby certify that I have surveyed the parcel of land hereon shown and described.

By: Eric S. Barden Date: 9/11/12
 Eric S. Barden
 Professional Surveyor No. 54049

EXHIBIT 2

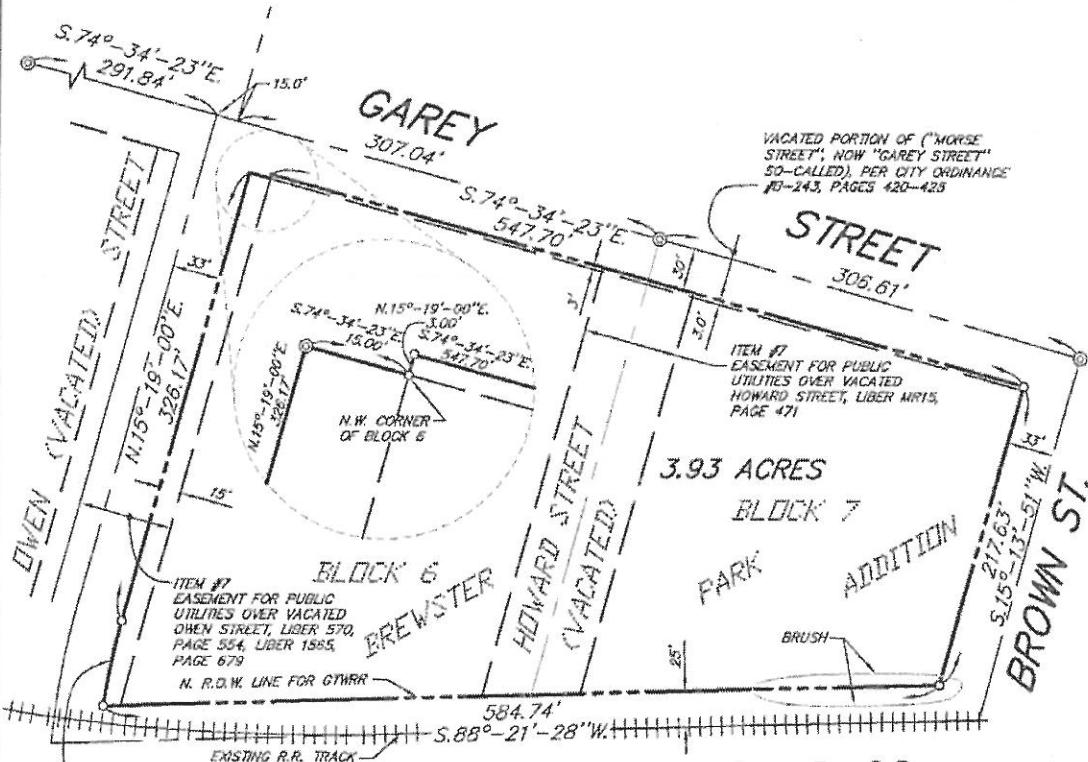
SURVEY OF THE PROPERTY

SCALE: 1" = 100'

⊙ - FOUND SURVEY CORNER

○ - SET 1/2" IRON ROD WITH CAP #54049

DWG. NO.: A-26925-1



GRAND TRUNK WESTERN RAILROAD CO.

L=60.26'
R=488.67'
CHD=60.22'
CHD BRG=N.11°-47'-04"E



SURVEY FOR: Conestoga Rovers & Associates
651 Colby Drive
Waterloo, Ontario, Canada

DATE: September 10, 2012

SURVEY OF:

SEE SHEET A-26925-2 FOR DESCRIPTION



I hereby certify that I have surveyed the parcel of land hereon shown and described.

By: Eric S. Borden
Eric S. Borden
Professional Surveyor No. 54049

Date: 9/10/12

EXHIBIT 3

DESCRIPTION OF ALLOWABLE USES

Nonresidential Land Use: This land use is characterized by any use which is not residential in nature and is primarily characterized by industrial and commercial uses. Industrial uses typically involve manufacturing operations engaged in processing and manufacturing of materials or products. Other examples of industrial uses are utility companies, industrial research and development, and petroleum bulk storage. Commercial uses include any business or income-producing use such as commercial warehouses, lumber yards, retail gas stations, auto dealerships and service stations, as well as office buildings, banks, and medical/dental offices (not including hospitals). Commercial uses also include retail businesses whose principal activity is the sale of food or merchandise within an enclosed building and personal service establishments which perform services indoors such as health clubs, barber/beauty salons, photographic studios, etc.

Any residential use is specifically prohibited from the non-residential land use category. This would include the primary use of the property for human habitation and includes structures such as single family dwellings, multiple family structures, mobile homes, condominiums, and apartment buildings. Residential use is also characterized by any use which is intended to house, educate, or provide care for children, the elderly, the infirm, or other sensitive populations, and therefore could include day care centers, educational facilities, hospitals, elder care facilities, and nursing homes. The use of any accessory building or portion of an existing building as a dwelling unit permitted for a proprietor or storekeeper and their families, located in the same building as their place of occupation, or for a watchman or caretaker is also prohibited. Any authority that allows for residential use of the Property as a legal non-conforming is also restricted per the prohibitions contained in this restrictive covenant.

The Property is zoned for light industrial in accordance with Section 20120a(6) of Part 201, PA 451 and the intended future use of the Property will remain industrial/commercial.

Based on available data discussed in the No Further Action Report, the Property is suitable for construction of nonresidential (*i.e.*, industrial/commercial) buildings as long as proper health and safety procedures are followed during excavation activities, the soils are managed in accordance with the requirements of section 20120c of NREPA and other applicable state and federal laws

Appendix F

Memorandum on the Determination of Upper Confidence Limits for Lead and Benzo(a)pyrene in Soil



MEMORANDUM

TO: John-Eric Pardys REF. NO.: 045285
FROM: Wesley Dyck; Daniela Araujo/ev/5 DATE: October 13, 2011
RE: Determination of Upper Confidence Limits for Lead and Benzo(a)pyrene in Soil
Former Warehouse, 700 Garey Street, Saginaw, Michigan

1.0 INTRODUCTION

This memorandum describes the calculation 95 percent upper confidence limits (UCLs) of the mean concentrations of lead and benzo[a]pyrene (BaP) in soils at the former warehouse property located at 700 Garey Street in Saginaw, Michigan (Site). The calculation of 95 percent UCLs is recommended under Michigan's Part 201 Regulation for demonstrating the compliance of chemical concentrations in soils with applicable direct contact criteria and volatile soil inhalation criteria. The soil data considered were generated through the chemical analysis of soil samples collected from boreholes advanced at the Site in 2006 and 2007.

Recommended procedures for statistically analyzing data sets and generating 95 percent UCLs are found in Tab 7 (Statistical Methods) of Michigan's *Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria* (Michigan, 2002). Historically, Michigan also provided a web-based software tool ("P201 StatSoft") for performing the calculations, but the tool was discontinued at the end of 2009 with an indication that alternative software such as USEPA's "ProUCL" software be used. Therefore, the current evaluation has utilized the strategies and procedures present in ProUCL (current version 4.1) for the calculation of 95 percent UCL values for lead and BaP in soil.

As noted in Michigan (2002), and fully discussed in USEPA (2010), the calculation of an appropriate 95 percent UCL for a data set depends on observed characteristics of the data, such as the number of samples, the presence of censored (non-detect) data, and the observed data distribution (e.g., normal, gamma-distributed, lognormal). The Part 201 guidance (Michigan 2002) provides methods for calculating 95 percent UCL values for data sets that are normally or lognormally distributed and which contain up to 50 percent non-detects. Additional methods for other cases (i.e., different distributions and non-detect frequencies) are available in USEPA's ProUCL software and described in the accompanying Technical Guide (USEPA, 2010).

2.0 LEAD

The available data for lead were compiled and used for statistical analyses. These data are shown in Table 1. The lead data set contained no non-detects, and therefore no special accommodation of such censored data were required. ProUCLs output for the generation of a 95 percent UCL for lead in soil is provided in Attachment A.

The following table provides a summary of the results obtained from ProUCL during 95 percent UCL calculations for lead in Site soils:

| <i>Lead Statistical Summary</i> | |
|---------------------------------|--------------------------|
| Number of samples | 59 |
| Percentage of non-detects | 0% |
| Sample mean | 71.4 mg/kg |
| Interpreted data distribution | lognormal |
| UCL calculation method* | 95% Chebyshev (Mean, Sd) |
| UCL of the mean | 119.7 mg/kg |

3.0 BENZO(A)PYRENE

The available data for benzo(a)pyrene were compiled and used for statistical analyses. These data are shown in Table 1. The appropriate accommodation of any non-detects present in the data set was handled internally using ProUCL's calculation algorithms (described in full in USEPA, 2010). ProUCLs output for the generation of a 95 percent UCL for BaP in soil is provided in Attachment A.

The following table provides a summary of the results obtained from ProUCL during 95 percent UCL calculations for BaP in Site soils:

| <i>Benzo(a)pyrene Statistical Summary</i> | |
|---|----------------------|
| Number of samples | 62 |
| Percentage of non-detects | 19.4% |
| Sample mean | 0.864 mg/Kg |
| Interpreted data distribution | not normal |
| UCL calculation method* | 97.5% KM (Chebyshev) |
| UCL of the mean | 2.61 mg/Kg |

* See USEPA, 2010, for descriptions of specific UCL methods

4.0 REFERENCES

Michigan, 2002. Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria. Michigan Department of Environmental Quality, Environmental Response Division.

USEPA, May 2010. ProUCL Version 4.1.00 Technical Guide (Draft). United States Environmental Protection Agency, Office of Research and Development, Washington DC. EPA/600/R-07/041.

TABLE 1

**SOIL CHEMISTRY USE FOR 95 PERCENT UPPER CONFIDENCE LIMIT (UCL) CALCULATIONS
FORMER WAREHOUSE, 700 GAREY STREET
SAGINAW, MICHIGAN**

| <i>Location</i> | <i>Sample ID</i> | <i>Date</i> | <i>Depth (ft)</i> | <i>Lead (mg/kg)</i> | <i>BaP (mg/kg)</i> |
|-----------------|------------------------|-------------|-----------------------|-------------------------|------------------------|
| BH03 | S-121806-SSH-068 | 18-Dec-2006 | 0-2 | 98.1 | 0.018 |
| BH03 | S-121806-SSH-069 | 18-Dec-2006 | 2-4 | 5.9 | 0.3 U |
| BH06 | S-121806-SSH-044 | 18-Dec-2006 | 0-2 | 19.1 | 0.038 |
| BH09 | S-121806-SSH-050 | 18-Dec-2006 | 0-2 | 126 | 0.22 |
| BH12 | S-121806-SSH-033 | 18-Dec-2006 | 0-2 | 146 | 0.54 |
| BH12 | S-021507-SSH-076 | 15-Feb-2007 | 2-4 | 104 | 0.46 |
| BH13D | S-092707-SSH-105 | 27-Sep-2007 | 0-2 | 90.2 | -- |
| BH13N | S-45285-111107-SSH-111 | 11-Nov-2007 | 0-2 | 106 | -- |
| BH13N | S-45285-111107-SSH-112 | 11-Nov-2007 | 2-4 | 11.4 | -- |
| BH13S | S-45285-111107-SSH-115 | 11-Nov-2007 | 0-2 | 42.7 | -- |
| BH13S | S-45285-111107-SSH-116 | 11-Nov-2007 | 2-4 | 7.3 | -- |
| BH14 | S-121806-SSH-029 | 18-Dec-2006 | 0-2 | 17 | 1.5 U |
| BH15 | S-121806-SSH-019 | 18-Dec-2006 | 0-2 | 104 | 0.37 |
| BH15 | S-021507-SSH-085 | 15-Feb-2007 | 2-4 | 220 | 0.36 U |
| BH16 | S-121806-SSH-016 | 18-Dec-2006 | 0-2 | 386 | 0.12 |
| BH16 | S-121806-SSH-017 | 18-Dec-2006 | 2-4 | 6 | -- |
| BH18 | S-121806-SSH-010 | 18-Dec-2006 | 0-2 | 172 | 4.8 |
| BH18 | S-021507-SSH-075 | 15-Feb-2007 | 2-4 | 28.1 | 0.36 U |
| BH18A | S-092707-SSH-106 | 27-Sep-2007 | 1-1.5 | -- | 0.037 |
| BH18B | S-092707-SSH-107 | 27-Sep-2007 | 1-1.5 | -- | 0.9 |
| BH18C | S-092707-SSH-108 | 27-Sep-2007 | 0.5-1 | -- | 0.65 |
| BH18D | S-092707-SSH-109 / 110 | 27-Sep-2007 | 1-1.5 | -- | 0.32 |
| BH19 | S-121806-SSH-007 | 18-Dec-2006 | 0-2 | 182 | 1.9 |
| BH19 | S-121806-SSH-008 | 18-Dec-2006 | 2-4 | 9.7 | -- |
| BH24 | S-121806-SSH-057 | 18-Dec-2006 | 0-2 | 43.8 | 1.8 |
| BH26 | S-121806-SSH-036 | 18-Dec-2006 | 0-2 | 269 | 0.71 |
| BH28C | S-021507-SSH-081 | 15-Feb-2007 | 2-4 | -- | 0.3 U |
| BH29D | S-021507-SSH-084 | 15-Feb-2007 | 2-4 | -- | 0.67 |
| BH30 | S-021507-SSH-082 | 15-Feb-2007 | 4-5 | -- | 0.29 U |
| BH31 | S-021507-SSH-083 | 15-Feb-2007 | 0-2 | 47.8 | 0.52 |
| BH32E | S-021507-SSH-086 | 15-Feb-2007 | 2-4 | -- | 0.31 U |
| BH33 | S-021507-SSH-073 | 15-Feb-2007 | 0-2 | -- | 1.6 U |
| BH34 | S-021507-SSH-074 | 15-Feb-2007 | 0-2 | -- | 0.6 U |
| BH35 | S-021507-SSH-077 / 078 | 15-Feb-2007 | 2-4 | -- | 0.305 U |
| BH36D | S-021507-SSH-079 | 15-Feb-2007 | 0-2 | 49.8 | 0.31 U |
| BH37 | S-021507-SSH-080 | 15-Feb-2007 | 0-2 | 317 | -- |
| BH117 | S-45285-111107-SSH-117 | 11-Nov-2007 | 0-2 | 10.4 | 0.02 |
| BH118 | S-45285-111107-SSH-118 | 11-Nov-2007 | 0-2 | 8.7 | 0.019 |

TABLE 1

**SOIL CHEMISTRY USE FOR 95 PERCENT UPPER CONFIDENCE LIMIT (UCL) CALCULATIONS
FORMER WAREHOUSE, 700 GAREY STREET
SAGINAW, MICHIGAN**

| <i>Location</i> | <i>Sample ID</i> | <i>Date</i> | <i>Depth (ft)</i> | <i>Lead (mg/kg)</i> | <i>BaP (mg/kg)</i> |
|-----------------|------------------------------|-------------|-----------------------|-------------------------|------------------------|
| BH119 | S-45285-111107-SSH-119 / 120 | 11-Nov-2007 | 0-2 | 15.15 | 0.115 |
| BH121 | S-45285-111107-SSH-121 | 11-Nov-2007 | 0-2 | 116 | 0.51 |
| BH122 | S-45285-111107-SSH-122 | 11-Nov-2007 | 0-2 | 26.6 | 0.15 |
| BH123 | S-45285-111107-SSH-123 | 11-Nov-2007 | 0-2 | 9.8 | 0.021 |
| BH124 | S-45285-111107-SSH-124 | 11-Nov-2007 | 0-2 | 9.6 | 0.01 |
| BH125 | S-45285-111107-SSH-125 | 11-Nov-2007 | 0-2 | 22.2 | 0.015 |
| BH126 | S-45285-111107-SSH-126 | 11-Nov-2007 | 0-2 | 12.3 | 0.067 |
| BH127 | S-45285-111107-SSH-127 | 11-Nov-2007 | 0-2 | 10.9 | 0.058 |
| BH128 | S-45285-111107-SSH-128 | 11-Nov-2007 | 0-2 | 10.6 | 0.055 |
| BH129 | S-45285-111107-SSH-129 | 11-Nov-2007 | 0-2 | 7.5 | 0.01 |
| BH130 | S-45285-111107-SSH-130 | 11-Nov-2007 | 0-2 | 71.7 | 0.18 |
| BH131 | S-45285-111107-SSH-131 / 132 | 11-Nov-2007 | 0-2 | 9.55 | 0.017 |
| BH133 | S-45285-111107-SSH-133 | 11-Nov-2007 | 0-2 | 64.5 | 0.3 U |
| BH134 | S-45285-111107-SSH-134 | 11-Nov-2007 | 0-2 | 8.8 | 0.015 |
| BH135 | S-45285-111107-SSH-135 | 11-Nov-2007 | 0-2 | 37 | 0.022 |
| BH136 | S-45285-111107-SSH-136 | 11-Nov-2007 | 0-2 | 243 | 0.42 |
| BH137 | S-45285-111107-SSH-137 | 11-Nov-2007 | 0-2 | 188 | 0.69 |
| BH138 | S-45285-111107-SSH-138 | 11-Nov-2007 | 0-2 | 18.8 | 0.084 |
| BH139 | S-45285-111107-SSH-139 | 11-Nov-2007 | 0-2 | 10.3 | 0.0096 |
| BH140 | S-45285-111107-SSH-140 | 11-Nov-2007 | 0-2 | 72.7 | 0.38 |
| BH141 | S-45285-111107-SSH-141 | 11-Nov-2007 | 0-2 | 108 | 6.7 |
| BH142 | S-45285-111107-SSH-142 / 143 | 11-Nov-2007 | 0-2 | 101.2 | 7.7 |
| BH144 | S-45285-111107-SSH-144 | 11-Nov-2007 | 0-2 | 13 | 0.025 |
| BH145 | S-45285-111107-SSH-145 | 11-Nov-2007 | 0-2 | 11.1 | 0.014 |
| BH146 | S-45285-111107-SSH-146 | 11-Nov-2007 | 0-2 | 89.4 | 14 |
| BH147 | S-45285-111107-SSH-147 | 11-Nov-2007 | 0-2 | 32.1 | 0.35 |
| BH148 | S-45285-111107-SSH-148 | 11-Nov-2007 | 0-2 | 14.1 | 0.047 |
| BH149 | S-45285-111107-SSH-149 | 11-Nov-2007 | 0-2 | 170 | 3.7 |
| BH150 | S-45285-111107-SSH-150 | 11-Nov-2007 | 0-2 | 39.9 | 0.32 |
| BH151 | S-45285-111107-SSH-151 | 11-Nov-2007 | 0-2 | 10.6 | 0.084 |
| BH152 | S-45285-111107-SSH-152 | 11-Nov-2007 | 0-2 | 13.1 | 0.12 |
| BH153 | S-45285-111107-SSH-153 / 154 | 11-Nov-2007 | 0-2 | 19.65 | 0.27 |

Notes:

Field duplicates (indicated by " / " in sample id) have been averaged prior to statistical calculations.
"U" denotes that analyte concentration was below the indicated detection limit.

ATTACHMENT A

General UCL Statistics for Data Sets with Non-Detects

User Selected Options

From File D:\EAMgroup\45285 (Garey St. Saginaw)\45285 ProUCL Data.wst
Full Precision OFF
Confidence Coefficient 95%
Number of Bootstrap Operations 10000

Lead

General Statistics

Number of Valid Observations 59
Number of Missing Values 11
Number of Distinct Observations 57

Raw Statistics

Minimum 5.9
Maximum 386
Mean 71.44
Median 32.1
SD 85.01
Std. Error of Mean 11.07
Coefficient of Variation 1.19
Skewness 1.79

Log-transformed Statistics

Minimum of Log Data 1.775
Maximum of Log Data 5.956
Mean of log Data 3.579
SD of log Data 1.218

Relevant UCL Statistics

Normal Distribution Test

Lilliefors Test Statistic 0.22
Lilliefors Critical Value 0.115

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Lilliefors Test Statistic 0.135
Lilliefors Critical Value 0.115

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 89.94

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 92.4
95% Modified-t UCL (Johnson-1978) 90.37

Assuming Lognormal Distribution

95% H-UCL 116.7

95% Chebyshev (MVUE) UCL 137.4
97.5% Chebyshev (MVUE) UCL 165
99% Chebyshev (MVUE) UCL 219.1

Gamma Distribution Test

k star (bias corrected) 0.821
Theta Star 87.03
MLE of Mean 71.44
MLE of Standard Deviation 78.85
nu star 96.87
Approximate Chi Square Value (.05) 75.17
Adjusted Level of Significance 0.0459
Adjusted Chi Square Value 74.69

Anderson-Darling Test Statistic 2.009
Anderson-Darling 5% Critical Value 0.787
Kolmogorov-Smirnov Test Statistic 0.165
Kolmogorov-Smirnov 5% Critical Value 0.12

Data not Gamma Distributed at 5% Significance Level

Data Distribution

Data do not follow a Discernable Distribution (0.05)

Nonparametric Statistics

95% CLT UCL 89.65
95% Jackknife UCL 89.94
95% Standard Bootstrap UCL 89.7
95% Bootstrap-t UCL 93.59
95% Hall's Bootstrap UCL 92.96
95% Percentile Bootstrap UCL 90.18
95% BCA Bootstrap UCL 93.19
95% Chebyshev(Mean, Sd) UCL 119.7

Assuming Gamma Distribution

95% Approximate Gamma UCL 92.07
 95% Adjusted Gamma UCL 92.66

97.5% Chebyshev(Mean, Sd) UCL 140.6

99% Chebyshev(Mean, Sd) UCL 181.6

Potential UCL to Use

Use 95% Chebyshev (Mean, Sd) UCL 119.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

BaP

General Statistics

| | | | |
|----------------------------------|----|---------------------------|--------|
| Number of Valid Data | 62 | Number of Detected Data | 50 |
| Number of Distinct Detected Data | 45 | Number of Non-Detect Data | 12 |
| Number of Missing Values | 8 | Percent Non-Detects | 19.35% |

Raw Statistics

| | |
|--------------------|--------|
| Minimum Detected | 0.0096 |
| Maximum Detected | 14 |
| Mean of Detected | 1.005 |
| SD of Detected | 2.466 |
| Minimum Non-Detect | 0.29 |
| Maximum Non-Detect | 1.6 |

Log-transformed Statistics

| | |
|--------------------|--------|
| Minimum Detected | -4.646 |
| Maximum Detected | 2.639 |
| Mean of Detected | -1.791 |
| SD of Detected | 1.936 |
| Minimum Non-Detect | -1.238 |
| Maximum Non-Detect | 0.47 |

Note: Data have multiple DLs - Use of KM Method is recommended
 For all methods (except KM, DL/2, and ROS Methods),
 Observations < Largest ND are treated as NDs

| | |
|---------------------------------|--------|
| Number treated as Non-Detect | 55 |
| Number treated as Detected | 7 |
| Single DL Non-Detect Percentage | 88.71% |

UCL Statistics

Normal Distribution Test with Detected Values Only

| | |
|--------------------------------|-------|
| Shapiro Wilk Test Statistic | 0.456 |
| 5% Shapiro Wilk Critical Value | 0.947 |

Data not Normal at 5% Significance Level

Lognormal Distribution Test with Detected Values Only

| | |
|--------------------------------|-------|
| Shapiro Wilk Test Statistic | 0.944 |
| 5% Shapiro Wilk Critical Value | 0.947 |

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

| | |
|--------------------------|-------|
| DL/2 Substitution Method | |
| Mean | 0.864 |
| SD | 2.232 |
| 95% DL/2 (t) UCL | 1.337 |

Maximum Likelihood Estimate(MLE) Method N/A

MLE yields a negative mean

Assuming Lognormal Distribution

| | |
|--------------------------|--------|
| DL/2 Substitution Method | |
| Mean | -1.741 |
| SD | 1.759 |
| 95% H-Stat (DL/2) UCL | 1.55 |

| | |
|------------------------------|--------|
| Log ROS Method | |
| Mean in Log Scale | -1.992 |
| SD in Log Scale | 1.802 |
| Mean in Original Scale | 0.824 |
| SD in Original Scale | 2.241 |
| 95% t UCL | 1.299 |
| 95% Percentile Bootstrap UCL | 1.319 |
| 95% BCA Bootstrap UCL | 1.524 |

95% H-UCL 1.339

Gamma Distribution Test with Detected Values Only

k star (bias corrected) 0.362
 Theta Star 2.779
 nu star 36.18

A-D Test Statistic 2.695
 5% A-D Critical Value 0.845
 K-S Test Statistic 0.845
 5% K-S Critical Value 0.135

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

Gamma ROS Statistics using Extrapolated Data

Minimum 0.000001
 Maximum 14
 Mean 0.811
 Median 0.0755
 SD 2.246
 k star 0.195
 Theta star 4.156
 Nu star 24.19
 AppChi2 14
 95% Gamma Approximate UCL 1.402
 95% Adjusted Gamma UCL 1.42

Data Distribution Test with Detected Values Only

Data do not follow a Discernable Distribution (0.05)

Nonparametric Statistics

Kaplan-Meier (KM) Method

Mean 0.83
 SD 2.222
 SE of Mean 0.285
 95% KM (t) UCL 1.306
 95% KM (z) UCL 1.299
 95% KM (jackknife) UCL 1.305
 95% KM (bootstrap t) UCL 1.777
 95% KM (BCA) UCL 1.37
 95% KM (Percentile Bootstrap) UCL 1.343
 95% KM (Chebyshev) UCL 2.073
 97.5% KM (Chebyshev) UCL 2.611
 99% KM (Chebyshev) UCL 3.667

Potential UCLs to Use

97.5% KM (Chebyshev) UCL 2.611

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

Appendix G

Zoning Documentation and Map



45285 700 Garey Street - zoning

M1 - THE INTENT OF THIS DISTRICT IS TO PERMIT CERTAIN INDUSTRIES, WHICH ARE OF A LIGHT MANUFACTURING, WAREHOUSING, AND WHOLESALING CHARACTER. EXAMPLES OF USES ALLOWED IN THIS ZONE INCLUDE BUILDING SUPPLY, CONTRACTING FIRMS, LABS, TOOL AND DIE SHOPS, SHEET METAL SHOPS, AUTOMOBILE REPAIR, WHOLESALE AND WAREHOUSING. THIS DISTRICT ALSO PERMITS AUTOMOBILE SERVICE STATIONS, BARBER AND BEAUTY SHOPS, EATING AND DRINKING ESTABLISHMENTS, AND HOTELS AND MOTELS AFTER APPROVAL OF A SPECIAL LAND USE BY THE CITY PLANNING COMMISSION. DWELLING UNITS ARE NOT ALLOWED IN THIS DISTRICT.

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