Limited Site Assessment

Project: The Perfect Image (Incident #12634)
Hickory, NC
Catawba County
Latitude N 35° 44' 23"
Longitude W 81° 21' 32"

Prepared for: NCDENR – UST Section
Mooresville Regional Office
Mooresville, North Carolina 28115

Date: November 21, 2007

Prepared by:

BLUE RIDGE
ENGINEERING PLLC

529 Main Street
North Wilkesboro, NC 28659
(336) 838-2500
(336) 838-4179 fax

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NC DEPT. OF ENVIRONMENT
AND NATURAL RESOURCES
RECEIVED
NOV 2 8 2007
MOORESVILLE REGIONAL OFFICE
DIVISION OF WASTE MANAGEMENT

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North Wilkesboro, NC 28659
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Limited Site Assessment Report

A. Site Identification

DATE OF REPORT: November 21, 2007
Facility I.D.: _____ UST Incident Number (if known): 12634
Site Name: The Perfect Image
Site Location: 1907 3rd Avenue Drive
City/Town: Hickory County: Catawba

UST Owner: Terry Church
Address: 1781 12th St Dr; Hickory, NC 28601 Phone: (828)396-2185 (Body shop)

UST Operator: Not applicable – closed 1994
Address: _____ Phone: _____

Property Owner: Terry Church
Address: 1781 12th St Dr; Hickory, NC 28601 Phone: (828) 396-2185 (Body shop)

Property Occupant: Mickey Automotive
Address: 1907 3rd Avenue Drive; Hickory, NC 28601 Phone: _____

Contractor: Environmental Abatements
Address: P.O. Box 221; Newton, NC 28658 Phone: (828) 850-4709

Consultant: Blue Ridge Engineering PLLC
Address: 529 Main Street; North Wilkesboro, NC 28659 Phone: (336) 838-2500

Laboratory: Blue Ridge Labs
Address: PO Box 2940, Lenoir, NC 28645 Phone: 828/728-0149

Release Information
Date Discovered: July 22, 1994
Latitude: 35 44' 23" **Longitude:** 81 21' 32" (NAD27)
Estimated Quantity of Release: Estimated 20 to 50 gals
Cause of Release: Unknown – corrosion or spills
Source of Release (Piping/UST): UST operation

Sizes and contents of UST system(s) from which the release occurred): Tank #3 a 3,000 gal gasoline tank, Tank #4 - a 2,000 gallon gasoline tank, and Tank #6 – a 280 gallon gasoline tank, For complete information on other tanks please see tables

ENGINEER'S CERTIFICATION

I, W. Ronald Haynes, a Professional Engineer for Blue Ridge Engineering, PLLC, and consultant to The Perfect Image certify that the information contained in this report is correct and accurate to the best of my knowledge.

W. Ronald Haynes

Date: November 21, 2007

B. Risk Characterization

The risk characterization information (Q&A form) is in Appendix C.

C. Receptor Information Site Investigation

1. Water Supply Wells (Complete and attach Table B-5 and attach map showing well locations)
See Table Sections

The Site Check investigation during UST Closure (1994) and the LSA investigation (2007) revealed no water supply well on site. The investigators located no drinking water wells within 1,500 feet of the site during the LSA wells receptor survey.

2. Public Water Supplies
Are public water supplies available within 1,500 feet of the source area of the release? ***YES***

If yes, where is the location of the nearest public water lines and the source(s) of the public water supply. (Indicate on map) Describe.

The area has municipal water and the surrounding commercial facilities, nearby residential areas, and site are connected to the City of Hickory water system. The water main runs along 3rd Avenue Drive fronting the property. The source of water is the City of Hickory water treatment plant west of the City on the Catawba River. The intake is more than one mile from the UST site and down-gradient of the site.

3. Surface Water
Identify all surface water bodies (e.g., ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release. This information must be shown on the USGS topographic map.

Please refer to the Location Map, a section of the Hickory USGS quadrangle. The likely receptor of surface drainage is Frye Creek a tributary to the Catawba River that lies northwest of the property and runs southwest to northeast from Hwy 321. Drainage from the site flows to this tributary through the storm sewers and other conveyances north and west of the site. The distance to this stream is approximately 1,100 feet. There is a smaller stream east of the site that is a tributary to Cripple Creek. This stream approximately 1,000 feet east of the site is the nearest surface water body. Cripple Creek is northeast of the site and is greater than 1,500 feet distant. The UST site is on a low ridge running from northwest to southeast.

4. Wellhead Protection Areas

Identify all planned or approved wellhead protection areas (e.g., ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release.

No wellhead protection areas are located within 1,500 feet of the site. Catawba County will not issue well permits for building sites in an area located near a municipal water supply, therefore, no new wells will be permitted in this area. No wellhead protection areas are listed for Catawba County on the NC DENR web page for PWSS. Areas within 0.5 miles under development have access to municipal water. Ref. Contact with City Hickory Public Works Dept.

5. Describe Deep Aquifers in the Coastal Plain Physiographic Region *(refer to page 19 of the guidelines):*

Not applicable

6. Describe Subsurface Structures

The buildings on site have no basements or work pits in the service area and no accumulation of vapors was found in the site assessment. No subsurface structures exist on the property.

7. Property Owners and Occupants

The land use at the site is commercial and the surrounding area is primarily commercial with residential uses nearby. The nearest place of public assembly located within 1,500 feet is a church, Oakland Heights Baptist, which is approximately at the radius limit of 1,500 feet from the contaminated area. The nearest residence is approximately 500 feet north of the site. This residence is currently unoccupied and has a water tap and meter near the street.

Potential exposure to the release is limited because the remaining contamination is underground. There is no security fence to limit casual visits to the property; however; the contamination is inaccessible without serious intent.

The remaining contaminated soil is below the utility lines that are near the site. There are no utilities crossing the property or located such that they provide a pathway for rapid migration.

The nearest receptor surface water is approximately 1,100 feet west of the site.

D. Site Geology and Hydrogeology

Salem Environmental conducted extensive soil sampling and installed a monitoring well, MW-1, in 1994 in the area with the highest soil contamination of the UST Closure soil sampling. This well is near the former location of Tank #4.

The driller advanced five borings during a Site Assessment under the pre-1998 UST Guidelines. Boring D of the five was converted into the monitoring well. Salem's report contains a boring log for the well installation. The 1994 documents show that the site has a top layer of 8 feet of clayey silt in the location of the former Tank #4 that appears to be fill material. The report stated that the excavations revealed this upper fill layer extended over the site. The fill was placed over the existing site soils that lie at 8 feet depth and below. The existing soil was reportedly only a few feet in thickness covering a very weathered saprolite. The soil and saprolite from 8 feet to a depth of 35 to 40 feet have the characteristic of sandy silt. Bedrock was not reached during the excavation or drilling by Salem. In review, Salem's work did not provide information concerning the migration potential of contaminants via the groundwater as it did not identify the depth to potential restrictive layers.

In September 2007, Blue Ridge Engineering PLLC (BRE) and Subsurface Environmental Investigations LLC (SEI) conducted additional soil borings and installed a second monitoring well at the former pump island. This was done at the request of Brad Newton of the UST Section, Mooresville Regional Office. BRE directed three borings at the site. The first, B101, was in the area of the former pump island. The second, B102, was near the existing monitoring and the third, B103, was in a different location near MW-1.

At B101, push-probe refusal occurred at approximately 40 feet with about 2.5 feet of discolored soil immediately above the depth of refusal. The pattern of fill material over original soil appears to be present as described by Salem. SEI advanced boring B102 for the purpose of obtaining a set of vertical soil samples near the existing MW-1. The driller reported push probe refusal at 38 feet for this boring. BRE advanced a third boring, B103, because B102 did not exhibit evidence of petroleum contamination in field screening at the levels expected. B103 advanced to a depth below the former tanks did not show any difference in the contamination. Since the third boring did not locate any greater contamination, BRE did not submit soil samples for B103.

The 2007 borings located a restrictive layer that was not reported in 1994. The different drilling equipment for the two events and the use of push probe technology on the second event and a lower water table resulted in the drillers locating the top of the less weathered rock. It appears that the top of the restrictive layer may be slightly higher at MW-1 compared with MW-2 and this could cause migration along the top of the restrictive layer when the groundwater level is lower due to natural fluctuations. In the second half of 2007, the region where the site is located experienced drought conditions. The lack of rain in the area has resulted in lower groundwater tables and the site appears to have been affected by the phenomenon.

The site is in the Inner Piedmont Belt. The underlying bedrock is likely micaeceous schist. Like other areas of the Piedmont, this region is characterized by broad ridges formed on underlying bedrock with soils formed by in-place weathering of parent rock. This region is the most intensely deformed and metamorphosed segment of the Piedmont. These metamorphic rocks range from 500 to 750 million years in age. They include gneiss and schist that have been intruded by younger granitic rocks.

There is a significant elevation difference between the ground elevation on site and that of the neighboring parcels to the northwest which are approximately 10 to 15 feet lower beyond a retaining wall. The site configuration includes the retaining wall and fill on the northwest side. There is concern that the retaining wall could become unstable if soil is removed and the owner has incomplete knowledge of how the wall and fill were placed. This presents a technical problem for soil remediation by excavation.

The factors affecting contaminant migration and attenuation on this site are (1) The 1994 excavations left the soil around the tank areas more permeable and provided potential for greater biological activity and migration through the soil gas, (2) The site has always been paved and this could reduce migration both in the vertical and horizontal with absence of movement of soil water, (3) The groundwater table is somewhat deeper than the average, and (4) A significant time (13 years) has elapsed since the release occurred. Some of the factors could act to attenuate the concentrations of contamination by migration and natural degradation. However, the length of time may have allowed more contamination to travel the longer distance to the groundwater table.

E. Sampling Results:

Discussion of samples analysis results from the Phase 1 LSA

In March 2007, BRE and Environmental Abatements obtained a sample from the existing monitoring well described in section D. The analytical results show Benzene and aromatic VPH compounds above the 2L standards. The 2007 sample results are marked lower than the 1994 sample results for MW-1. BRE conveyed these results in an LSA report dated July 31, 2007. Subsequently, Brad Newton of the UST Section, requested that the LSA investigation continue and include soil borings with sampling to determine the status of risk-based organic constituents in soil at the original monitoring well and under the pump island. The Section also requested installation of a monitoring well at the former pump island.

BRE and SEI carried out the borings and sampling as requested on September 12, 2007. As described in the previous section, SEI advanced B101 at the former pump island and B102 near the existing monitoring well. BRE took soil samples at the two borings at 10 feet intervals extended to the water table. BRE requested and SEI pushed another short boring, B103, to 15 feet to check for additional evidence of soil contamination after B102 showed lower than expected contamination in field screening.

The results of soil sample analysis from the B101 and B102 borings are provided in Table B-3A. The concentrations of Method 8260 constituents were highest in B101 at the interval of 20 to 25 feet depth. The B101 boring had some contamination near the surface and an area in the vertical dimension from 25 to 35 feet that appears to be relatively uncontaminated. The B102 samples had petroleum contaminant concentrations less than soil-to-groundwater standards. It appears that existing soil contamination at the former tanks is lower in concentration compared with 1994 levels.

SEI installed a monitoring well at the boring B101 on September 12, 2007. BRE sampled the well several days later. The results of the groundwater sample analysis are in Table B-4. The sample results for monitoring well MW-2 had high levels of Benzene, Ethyl benzene, Naphthalene, and VPH compounds. A chlorinated organic, 1,2 Dichloroethane, was detected in MW-2 at levels greater than the 2L standards. This contaminant is not a petroleum material or additive.

The drilling equipment brought to the site by SEI could not push deeper than 40 for B101 and the groundwater present in the boring appeared to be lying on top of the restrictive layer that blocked deeper drilling. Therefore, the new well had very little water for development (only approximately 18 inches). BRE proceeded with sampling after minimal development and purging, however, the well still contains sediment and the soil layers immediately above the bottom of the screen appear to be contaminated from past groundwater migration and fluctuation in levels. Consideration of these conditions indicates that the results of the single

MW-2 sample are not representative of the groundwater in the area of the pump island or site. The well did not have sufficient recharge to develop and purge the water in the casing. The sample was submitted for analysis containing some sediment. This was a one-time sample event since the field personnel were unable to obtain sufficient water in the well to properly develop and purge the well. BRE directed the driller to place a flush mounted permanent well head so the well could be re-sampled in the future if required.

Sampling and analytical from the Site Characterization - 1994

The previous investigators took soil samples under the pre-1998 Guidelines. They pushed five borings designated A through E into locations near the former tanks. Boring D was converted into the monitoring well as indicated in the previous section. It had the highest concentration of TPH at 34.0 mg/kg. Of the other four borings, only boring C had detectable TPH at 20.7 mg/kg. A sample from only one boring, E, was submitted for risk based analysis. The results of the sample show non-detection for all listed constituents on the Method 8021 list. The UST Section (former Groundwater Section) selected the location of the 8021 analytical. The selection appears influenced by the fact that the potential source was a waste oil tank. This single sample is not sufficient to allow a determination with current guidelines that require a comparison for commercial/industrial, residential and soil-to-groundwater standards for soil contamination.

The groundwater sampling at the time of the previous Site Characterization was limited to one sample from the monitoring well. The results of the analysis reveal high levels of BTEX, gasoline additives – MTBE and EDB, and other chlorinated organics. At the time of the sampling and analysis, the VPH analysis was not required in North Carolina; therefore no VPH data is available for the 1994 groundwater sample. The concentration and constituent with the highest levels was 143 ug/l Benzene, a value over 100 times the 2L standard. The other contaminants ranged from 1.3 to 6 times the corresponding 2L standard. These levels are now lower as described in the first paragraph of Section E above. Table B-4 contains a tabulation of the data.

Sampling and analytical from the UST Removal - 1994

This LSA was necessary because the contaminated soil left in the base of the excavation at UST removal was above the regulatory standards. Please refer to the July 21, 1994 Closure Report.

The tank closure investigators reported relatively high levels of 5030 range Total Petroleum Hydrocarbons (TPH) remaining on site. The locations with contamination greater than TPH standards are around Tanks #3 and #4 and at the pump island. The levels at the tanks ranged from 301 to 504 mg/kg. The pump island sample result for gasoline range TPH was 238 mg/kg.

F. Conclusions and Recommendations

Based on the results of soil sampling and analysis, risk based constituent soil contamination exceed the soil-to-groundwater standards at both the tank area and the pump island. The shallow soil of the site near the former pump island may exceed the Residential soil standards for 1,2 dibromomethane (EDB). The detection level for this compound was at a level greater than the residential standard for the 6 feet depth sample on B101. The tanks area appears to have less soil contamination of concern than the pump island area at present.

The groundwater sample analytical results from the well, MW-1, in the former tanks area showed contamination greater than 2L standards. However, the VPH C9-C10 aromatics concentration and benzene concentration for the 2007 MW-1 sample did not exceed the gross contamination levels (GCL) and are less than 10 times the 2L standards. The groundwater sample for MW-2 had higher concentrations. The benzene, VPH aromatics, and naphthalene concentrations did not exceed the GCL but were greater than 10 times the 2L standards for some BTEX and VPH compounds. However, as previously discussed the results for sampling and analysis for this well are believed to be non-representative. BRE discussed the results and problems in sampling this well with the UST Section and received advice to use the results unless the site appeared to be High risk.

Contamination concentrations have decreased during the time elapsed since the tank removal and previous investigation. The site conditions include some factors that limit the natural migration including a restrictive layer and the high percentage of paved area that reduces the water movement through the unsaturated zone. The residual concentrations of petroleum and non-petroleum contaminants may be expected to persist for a longer time at this site. It appears that the site may have a separate issue with the non-petroleum contaminants that have low but significant concentration levels.

There is no residential property immediately adjacent to the site. However, exposure to visitors which may include children is possible. The facility is partially secure from access due to the location and activity at the site. The area of contaminated soil that remains with concentrations potentially above residential standards is under a minimum of 6 feet of fill.

Based on Guidelines criteria, this site appears to have a LOW risk to health and environment. Treatment of the remaining contaminated soil at the pump island and under the location of the former tanks with re-sampling select areas to demonstrate that soil contamination levels are below the residential standards and soil-to-groundwater standards could be considered. If results showing the necessary reduction are obtained this action would be effective in reaching a status of "No further action" without requiring a deed restriction. However, the resumption of cleanup by excavation at this point in time would face the problem of high cost to prevent structural failure of the west side retaining wall. If the Owner is interested in remediation, soil gas extraction should be considered.

Treating the soil to reduce contaminant concentrations or allowing natural attenuation to below soil-to- groundwater and/or residential standards would decrease the risk to health on site. The limited extent of soil contamination, the depth to groundwater, and the site location in an area served by a municipal water source makes it very unlikely that a groundwater source of drinking water will be affected offsite during limited treatment or natural attenuation.

G. Free Product Investigation/Recovery (if applicable)

No free product was found during the UST removal and LSA.

H. Site History:

Closure, Emergency Response and Release Reporting

There were no known past releases for this site. The UST closure was a planned event due to business decision of the owner. During the tanks closure, the investigators discovered and reported the release.

The closure contractor was on site to remove the tanks and conducted an immediate response to the release by removing some contaminated soil and remaining product. Continued excavation of contaminated soil was terminated due to concerns of structural stability of the retaining wall on the west side of the site. The removal date for the tanks was July 11-12, 1994. Tanks #2, #3, and #8 were closed in place on site by filling with an inert material. Please see the UST Closure Report for additional detail.

Excavation, Treatment and/or Disposal of Contaminated Soil.

There is no record of the volume of contaminated soil removed available at this date from readily available documents.

Pre- 1998 Site Assessment and 2007 LSA Phase 1 Activities

Salem Environmental performed a site assessment in 1994. They installed a monitoring well near Tank A and performed soil borings for soil sampling in other areas. The monitoring well boring was 40 feet deep with the water table at approximately 34 feet. The borings found no free product.

On March 28, 2007, BRE and Environmental Abatements sampled the monitoring well for 601/602 and VPH analysis. In September 2007, BRE conducted additional soil borings and installed a second monitoring well as discussed in section D and E.

I. Figures *NOTE: ALL DRAWINGS EXCEPT FOR USGS DEVELOPED FROM CATAWBA COUNTY GIS SERVICE.*

All drawings and maps are in the Figures section that follows the text of this report. The location map, Figure 1, a portion of the USGS Hickory, NC quad sheet, shows the general features of the area around the site. There are no water supply wells on the site or on adjacent properties. The nearest down gradient surface water is located greater than 1,100 feet west.

Sheet 1 of the drawings is a Site Map showing details of the local area. The site is in the area of west Hickory in a commercial/industrial setting. The commercial buildings, homes and churches in the local area are typically older than 50 years. Sheet 2 shows the location of the former USTs. Sheet 3 shows the locations of closure samples for the USTs at removal. Sheet 3 also has a table of results for the UST closure samples. Sheet 4 provides information about the 1994 soil contamination investigation including a table of results. Boring D on Sheet 4 is the location for the 1994 monitoring well MW-1.

Sheet 5 depicts the boring locations for soil sampling by BRE at the pump island and near MW-1. A table is provided to summarize the results of risk based analyses for the interval samples. SEI installed MW-2 at the location of B101. Sheet 6 show both monitoring wells' location. A table on Sheet 6 summarizes the groundwater samples analytical results for the 2007 and 1994 groundwater samples. There are no underground utilities that traverse the former tank beds, and no additional pathways identified for contamination migration.

J. Other Information

- Boring logs and lithologic descriptions; *See Appendix A- excerpt from 1994 Site Characterization*
- Well construction records; *See Appendix B – MW-1 Installed by Salem Environmental and MW-2 by BRE*
- Field measurements (e.g., pH, dissolved oxygen, specific conductivity, temperature) made during groundwater sampling; *Unavailable*
- Risk characterization information *See Appendix C*
- Standard procedures used for sampling, field equipment decontamination, field screening, etc.; *Blue Ridge Engineering, Subsurface Environmental Investigations, and Environmental Abatements followed standard procedures outlined in the "Guidelines" See Appendix D*
- Disposal manifests; *Not Applicable – No waste materials created during this phase of work*
- Laboratory reports and chain-of-custody documents *See Appendix F and E*

TABLES

SITE HISTORY

Table B- 1 UST System Information 12634 **The Perfect Image**

UST ID Number	**Product** (gasoline, diesel, jet fuel, etc.)	**Capacity** (gallons)	**Date Installed** (m/dd/yy)	**Date Permanently Closed (P), or Still in Use* (C)** (m/dd/yy)	**Was Release Associated With UST System?** (Yes / No)
1	Diesel	1,000	Unknown	7/12/1994 P	No
2	Gasoline	3,000	Unknown	7/12/1994 P	No
3	Fuel Oil	3,000	Unknown	7/12/1994 P	Yes
4	Gasoline	2,000	Unknown	7/12/1994 P	Yes
5	Waste Oil	550	Unknown	7/12/1994 P	No
6	Gasoline	280	Unknown	7/12/1994 P	No
7	Heating Oil	280	Unknown	7/12/1994 P	No
8	Gasoline	280	Unknown	7/12/1994 P	No

- Still in use means not permanently closed.

SITE HISTORY

Table B- 2 UST Owner/Operator Information **Nelson Oil**(most recent first)

UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
1	Terry Church (Church's Body Shop)	unknown to 7/12/1994	Owner
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
2	Terry Church (Church's Body Shop)	unknown to 7/12/1994	Owner
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
3	Terry Church (Church's Body Shop)	unknown to 7/12/1994	Owner
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
4	Terry Church (Church's Body Shop)	unknown to 7/12/1994	
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
5	Terry Church (Church's Body Shop)	unknown to 7/12/1994	
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	

SITE HISTORY

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Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
7	Terry Church (Church's Body Shop)	unknown to 7/12/1994	Owner
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
8	Terry Church (Church's Body Shop)	unknown to 7/12/1994	Owner
Address		**Telephone Number**	
P.O. Box 1528 Hickory, North Carolina 28603		828-396-6552	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
Address		**Telephone Number**	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership / Operation** [(m/dd/yy) to (m/dd/yy)]	**Owner or Operator?**
Address		**Telephone Number**	

Table B- 3A

Summary of Soil Sampling Results

Date: Nov 15, 2007 Incident Number and Name: 12634 – The Perfect Image Facility ID#:

Analytical Method (e.g., VOC by EPA 8260) →			8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260
Sample ID	**Contaminant of Concern →**		Benzene	Butyl benzene n-	Butyl benzene Sec-	Di bromo Methane	Ethyl benzene	Isopropyl benzene	Methyl Ethyl Ketond	Methylene Chloride	Naphthalene	n-Propyl benzene	Toluene	Trichloro-ethane
	Date Collected (m/dd/yy)	**Sample Depth** (ft BGS)												
B101-6	09/12/07	6	<0.14	1.1	0.14	<0.029	<0.13	<0.11	2.4	1.3	0.69	0.26	<0.13	<0.11
B101-23	09/12/07	23	<0.17	0.36	<0.12	0.2	1.6	0.18	3.4	1.4	0.58	1	2.5	<0.13
B101-32	09/12/07	32	<0.0006	<0.0006	<0.0005	<0.0001	<0.0005	<0.0006	0.32	<0.0006	<0.0008	<0.0004	<0.0005	<0.0004
B102-12	09/12/07	12	<0.0006	<0.0006	<0.0005	<0.0001	<0.0005	<0.0006	0.28	<0.0006	<0.0008	<0.0069	<0.0005	<0.0004
B102-23	09/12/07	23	<0.0003	<0.0003	<0.0003	<8E-05	<0.0003	<0.0003	0.17	<0.008	<0.0005	<0.0003	<0.0003	<0.0002
B102-32	09/12/07	32	<0.0028	<0.0005	<0.0004	<0.0001	<0.0004	<0.0005	0.27	<0.0076	<0.0004	<0.0004	<0.0004	<0.0003
Soil to groundwater MSCC (mg/kg)			0.0056	4	3	1.9E-06	0.24	2	0.7	0.02	0.58	2	7	0.0183
Residential MSCC (mg/kg)			22	156	156	0.0075	1560	1564	9385	85	63	156	3200	58
Industrial/Commercial MSCC (mg/kg)			200	4088	4088	0.067	40000	40880	245280	763	1635	4088	82000	520

- 0.684 = Exceeds the Soil to Groundwater standard or other regulatory limit, 868 = Exceeds the Residential standard
- List any contaminant detected above the method detection limit NA = not available; NR = not analyzed
- MSCC = maximum soil contamination concentration * Concentration is estimated. The result is above the laboratory calibration std
- ft. BGS = feet below ground surface
- Results must be reported in mg/kg.
- mg/kg =milligrams per kilogram

Table B- 3A

Summary of Soil Sampling Results

Date: Nov 15, 2007 Incident Number and Name: 12634 – The Perfect Image Facility ID#:

Analytical Method (e.g., VOC by EPA 8260) →			8260	8260	8260	8260	MADEP	MADEP	MADEP	TPH	8260			
Sample ID	**Contaminant of Concern →**													
	Date Collected (m/dd/yy)	**Sample Depth** (ft BGS)	1,2,4 Trimethyl benzene	1,3,5 Trimethyl benzene	Xylene, o-	Xylene, m&p	VPH C5-C8 Aliphatics	VPH C9-C10 Aromatics	VPH C9-C12 Aliphatics	5030 TPH	Acetone			
B101-6	09/12/07	6	5	2.9	<0.15	0.40	<2.9	16.6	<2.8	<5	<0.24			
B101-23	09/12/07	23	5.6	1.7	3.4	6.4	14.7	55.7*	7.3	<5.6	<0.29			
B101-32	09/12/07	32	<0.0006	<0.0006	<0.0004	<0.001	<2.9	6.6	<2.8	NR	<0.22			
B102-12	09/12/07	12	<0.0005	<0.0006	<0.0004	<0.001	<2.9	<2.8	<2.8	NR	0.078			
B102-23	09/12/07	23	<0.0003	<0.0004	<0.0003	<0.0006	<2.9	<2.8	<2.8	NR	0.044			
B102-32	09/12/07	32	<0.0005	<0.0005	<0.0004	<0.0008	<2.9	<2.8	<2.8	NR	<0.0023			
Soil to groundwater MSCC (mg/kg)			8	7	5	5	72	34	3255	10**	3			
Residential MSCC (mg/kg)			782	782	32000	32000	939	469	9386	##	1564			
Industrial/Commercial MSCC (mg/kg)			20440	20440	200000	200000	24528	12264	245280	##	40880			

- 0.684 = Exceeds the Soil to Groundwater standard **or other regulatory limit**; 868 = Exceeds the Residential standard
- List any contaminant detected above the method detection limit NA = not available; NR = not analyzed
- MSCC = maximum soil contamination concentration * Concentration is estimated. The result is above the laboratory calibration std
- ft. BGS = feet below ground surface ** Reporting limit
- Results must be reported in mg/kg.
- ## = No soil standard

Table B4 Summary of Groundwater Sampling Results (ug/L)

Date: Oct 26, 2007 Incident Number and Name: 12634 The Perfect Image Facility ID#: _____

Analytical Method (e.g., VOC by EPA 601) →			EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Contaminant of Concern →														
Well ID	**Sample ID**	**Date Collected** (m/dd/yy)	Benzene	Chloro-benzene	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,3-	Dichloro-benzene, 1,4-	Ethyl Benzene	IPE	MTBE	Naphthalene	Toluene	Xylene, o-	Xylene, m&p
MW-1	MW-1 P.I.	08/29/94	143	<0.5	<0.5	<0.5	<0.5	195	7.5	1082	NR	384	706	Total only
MW-1	MW-1	03/28/07	5.1	<0.5	<0.5	<0.5	<0.5	14.1	<0.5	<0.5	<0.5	2.2	5.4	36.5
MW-2	TMW2	09/16/07	93**	<0.5	<0.5	<0.5	<0.5	111**	9.5	<0.5	37.9	130**	111**	167**
2L Standard (ug/l)			1	50	620	620	75	29	70	200	21	1000	530	530
GCL (ug/l)			5,000	50,000	72,500	61,500	39,500	29,000	70,000	200,000	15,500	257,500	87,500	87,500

- Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)
- List any contaminant detected above the method detection limit
- Results must be reported in ug/l 178 denotes concentration greater than the 2L standard; 1556 denotes concentration 10X greater than 2B WQ standards and 7,020 denotes concentration greater than gross contamination level
- GCL = gross contamination level NR – not analyzed
- ** Concentration is above the upper limit of the laboratory calibration curve

Table B4 Summary of Groundwater Sampling Results(ug/L)

Date: Oct 26, 2007 Incident Number and Name: 12634 The Perfect Image Facility ID#:

Analytical Method (e.g., VOC by EPA 601) →			EPA 601	EPA 601	EPA 601	EPA 601	EPA 601	EPA 601	EPA 601	EPA 601	EPA 601	MADEP VPH	MADEP VPH	MADEP VPH
Contaminant of Concern →			Bromoform	Carbon Tetra-chloride	1,1 Dichloro-ethene	1,2 Dichloro-ethane	Ethyelene Dibromide	Methylene Chloride	Tetrachloro ethylene	1,1,1 Tri-chloro ethylane	Tri-chloro ethylene	VPH C5-C8 Aliphatics	VPH C9-C10 Aromatics	VPH C9-C12 Aliphatics
Well ID	**Sample ID**	**Date Collected** (m/dd/yy)												
MW-1	MW-1 P.I.	08/29/94	<0.5	<0.5	<0.5	22.7	8.4	<5.0	<0.5	<0.5	0.8	NR	NR	NR
MW-1	MW-1	03/28/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<74	312	<68
MW-2	TMW2	09/16/07	NA	<0.5	<0.5	25.0	<0.5	<0.5	<0.5	<0.5	<0.5	1,360	2,820	6,340
2L Standard (ug/l)			NA	NA	7	0.38	0.0004	5	0.7	NA	2.8	420	210	42,000
GCL (ug/l)			NA	NA	7,000	380	50	5,000	700	NA	2,800	NA	NA	NA

- Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)
- List any contaminant detected above the method detection limit
- Results must be reported in ug/l 178 denotes concentration greater than the 2L standard; 1556 denotes concentration 10X greater than 2B WQ standards and 7,020 denotes concentration greater than gross contamination level
- GCL = gross contamination level NR – not analyzed
- ** Concentration is above the upper limit of the laboratory calibration curve

Table B - 5

Water Supply Well Information

Date: July 30, 2007 Incident Number and Name: 12634 Perfect Image Facility ID#: NA

(Include the following information. The well number (can use tax number), well owner and user names, addresses and telephone numbers, use of the well (potable, agricultural, etc.), well depth, type of well (i.e., drilled or bored), well casing depth, well screen interval and distance of well from the source area of the release)

Well #	Well Owner/ User (indicate which)	Address	Phone Number	Well Use	Well Depth (ft BGS)	Type of Well	Well Casing Depth (ft. BGS)	Well Screen Interval (x to y ft. BGS)	Distance from source area of release (ft.)
	None within 1500 ft								

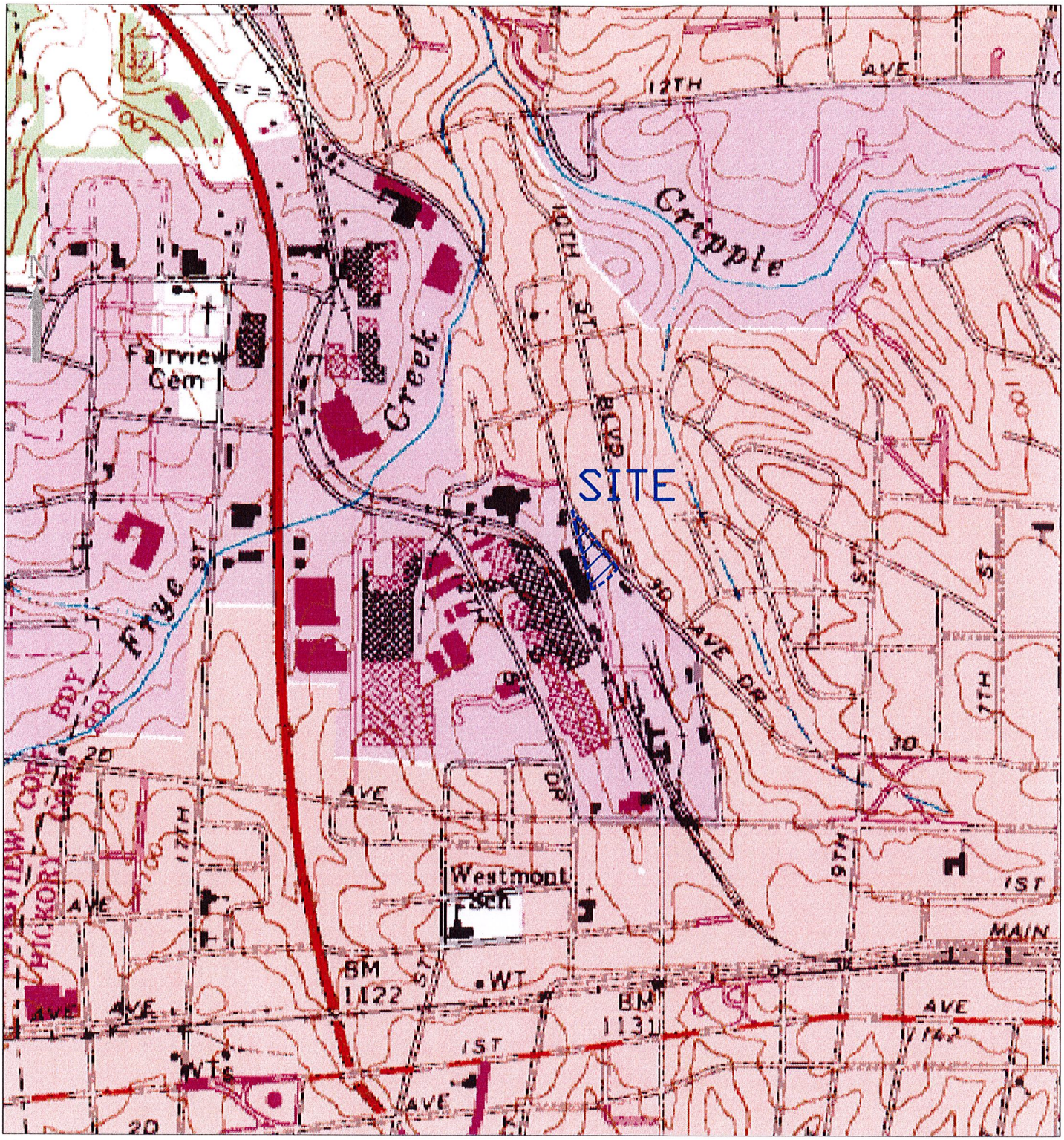
Ft BGS = feet below ground surface

Table B-6 Property Owners/ Occupants

Date: July 30, 2007 Incident No. and Name: 12634 Perfect Image ID#:unkown

Tax Parcel Number/ Map ID	Owner/ Occupant Name (Last, First MI)	Address
2712	Truck & Auto Service, Inc.	P.O. Box 443 Hickory, NC 28603
9462	ETHC, LLC.	509 11th St NW Hickory, NC 28601
9634	ETHC, LLC	509 11th St NW Hickory, NC 28601
9713	ETHC, LLC	509 11th St NW Hickory, NC 28601
1465	Causey, Kathryn Viola Keever	3740 6th Dt NE Hickory, NC 28601

FIGURES



Site Coordinates 35° 44' 23"
81° 21' 32"

Figure 1: Site Map
The Perfect Image

LSA Phase 1 Project 7046
The Perfect Image - Terry Church
Hickory, NC

Copied from USGS
1993
Granite Falls Quad

Approx Scale 1" = 1,000 '

10/23/07 WRH, PE

BLUE RIDGE ENGINEERING

BLUE RIDGE ENGINEERING, PLLC
529 MAIN STREET
N. WILKESBORO NC 28659

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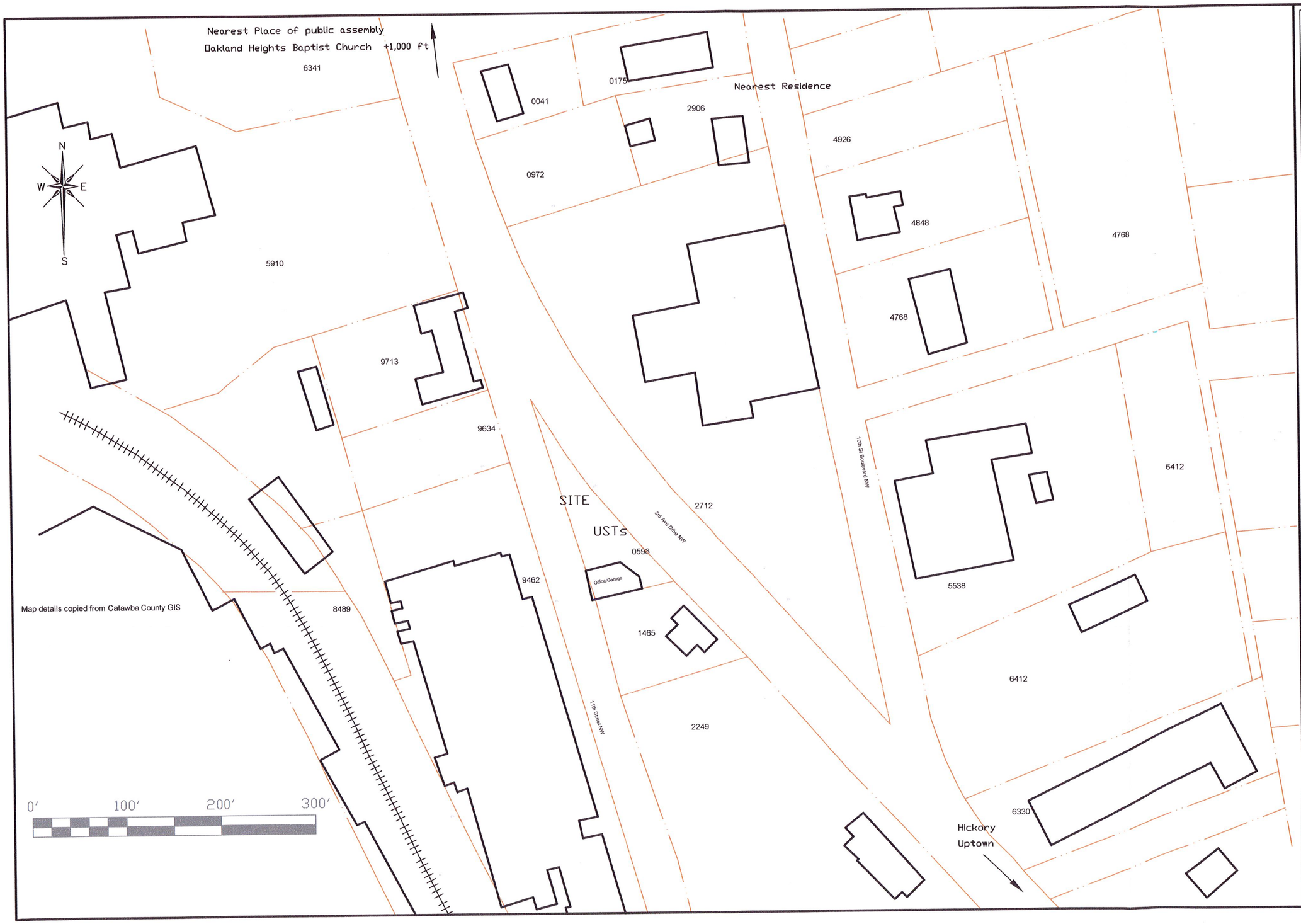
(336) 838-4179 FAX

ron.haynes@brepllc.com



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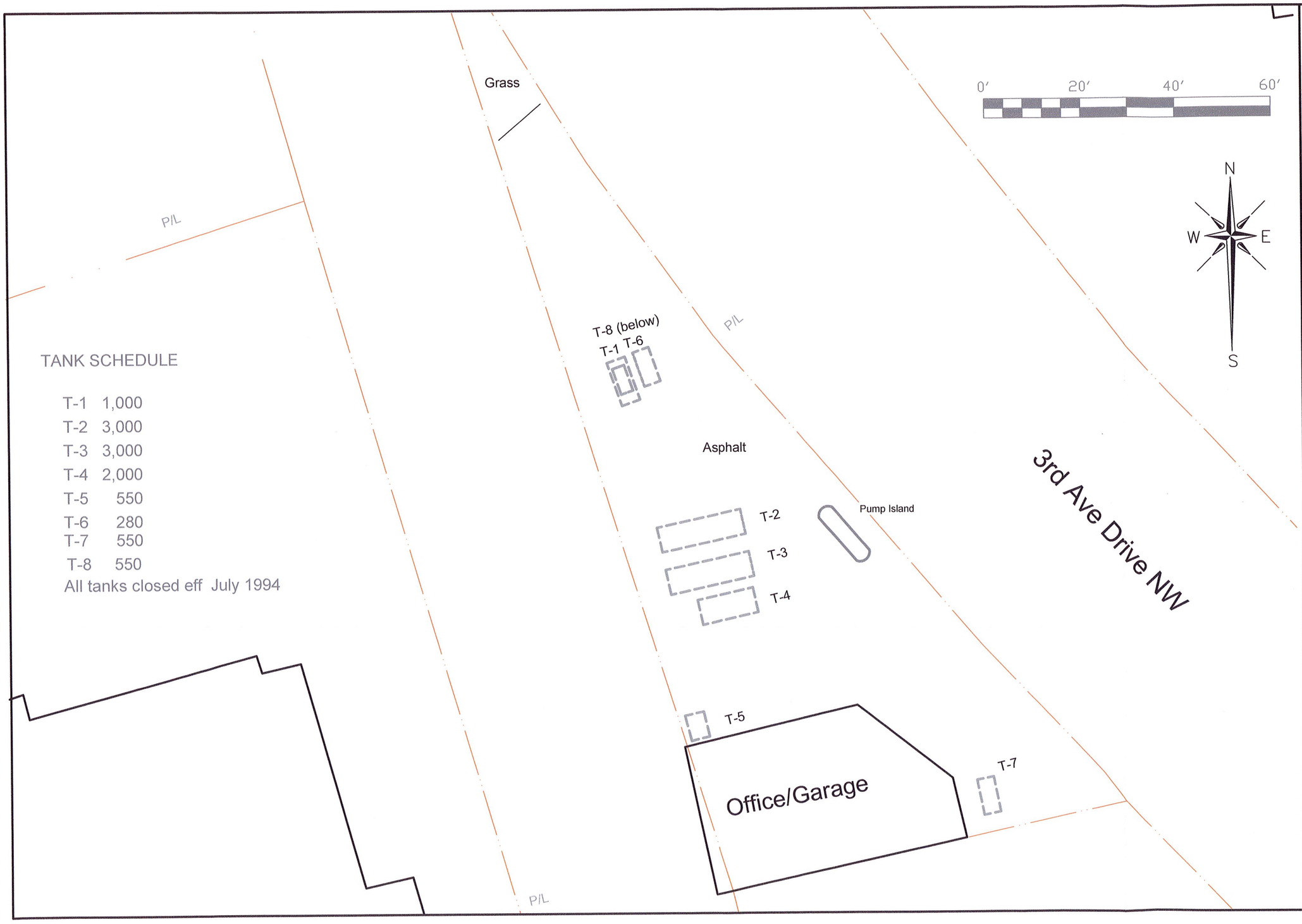
BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 126334

SHEET TITLE: AREA MAP

Drawn By:	WRH
Approved:	
Date:	11-21-07
Scale:	1"= 100 '
Sheet:	1
DWG Name:	J-7046



TANK SCHEDULE

T-1	1,000
T-2	3,000
T-3	3,000
T-4	2,000
T-5	550
T-6	280
T-7	550
T-8	550

All tanks closed eff July 1994

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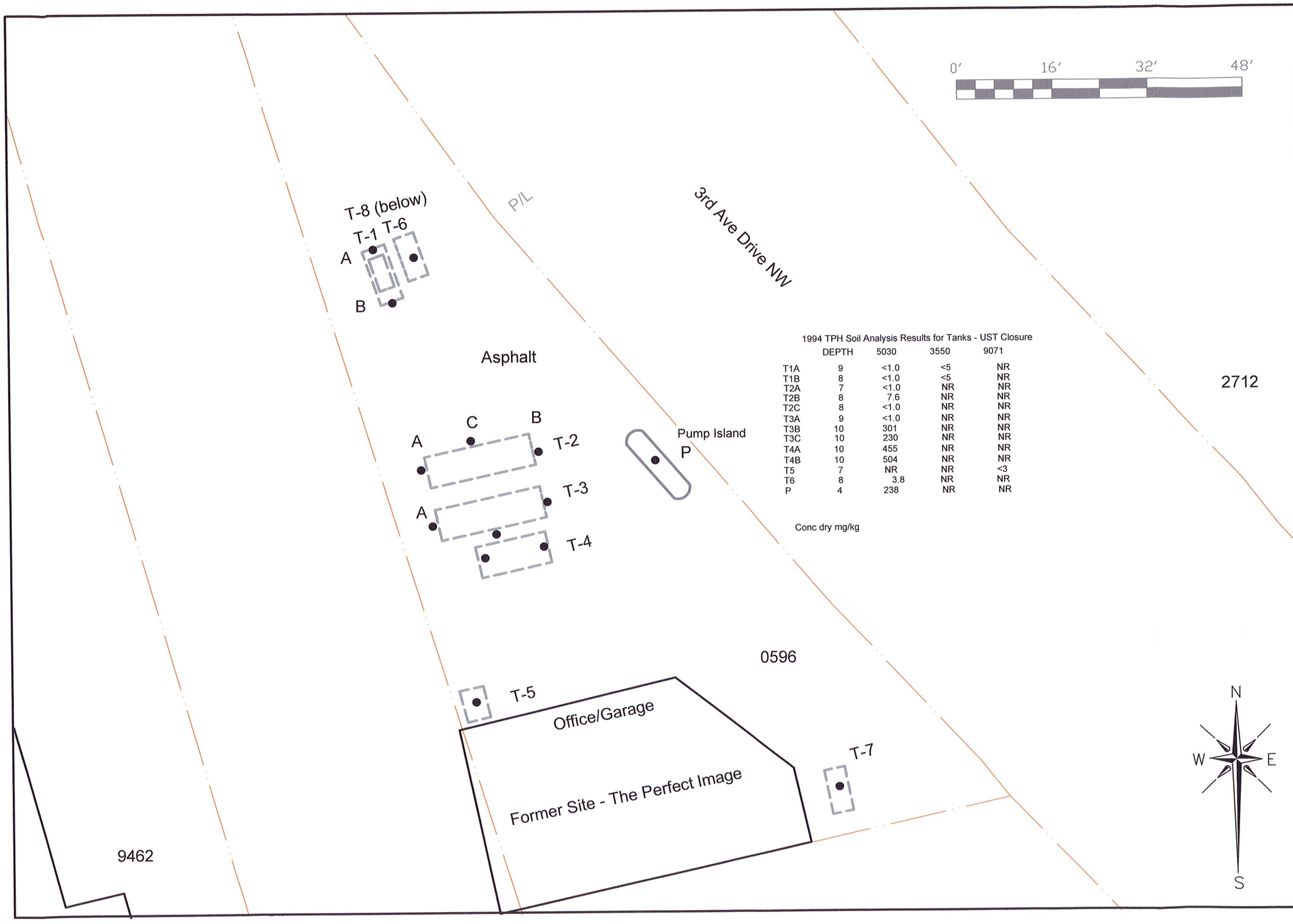
BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 12634

SHEET TITLE: SITE PLAN

Drawn By:	WRH
Approved:	
Date:	6-30-07
Scale:	1″= 20′
Sheet:	2
DWG Name:	J-7046



1994 TPH Soil Analysis Results for Tanks - UST Closure

	DEPTH	5030	3550	9071
T1A	9	<1.0	<5	NR
T1B	8	<1.0	<5	NR
T2A	7	<1.0	NR	NR
T2B	8	7.6	NR	NR
T2C	8	<1.0	NR	NR
T3A	9	<1.0	NR	NR
T3B	10	301	NR	NR
T3C	10	230	NR	NR
T4A	10	455	NR	NR
T4B	10	504	NR	NR
T5	7	NR	NR	<3
T6	8	3.8	NR	NR
P	4	238	NR	NR

Conc dry mg/kg

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BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 12634

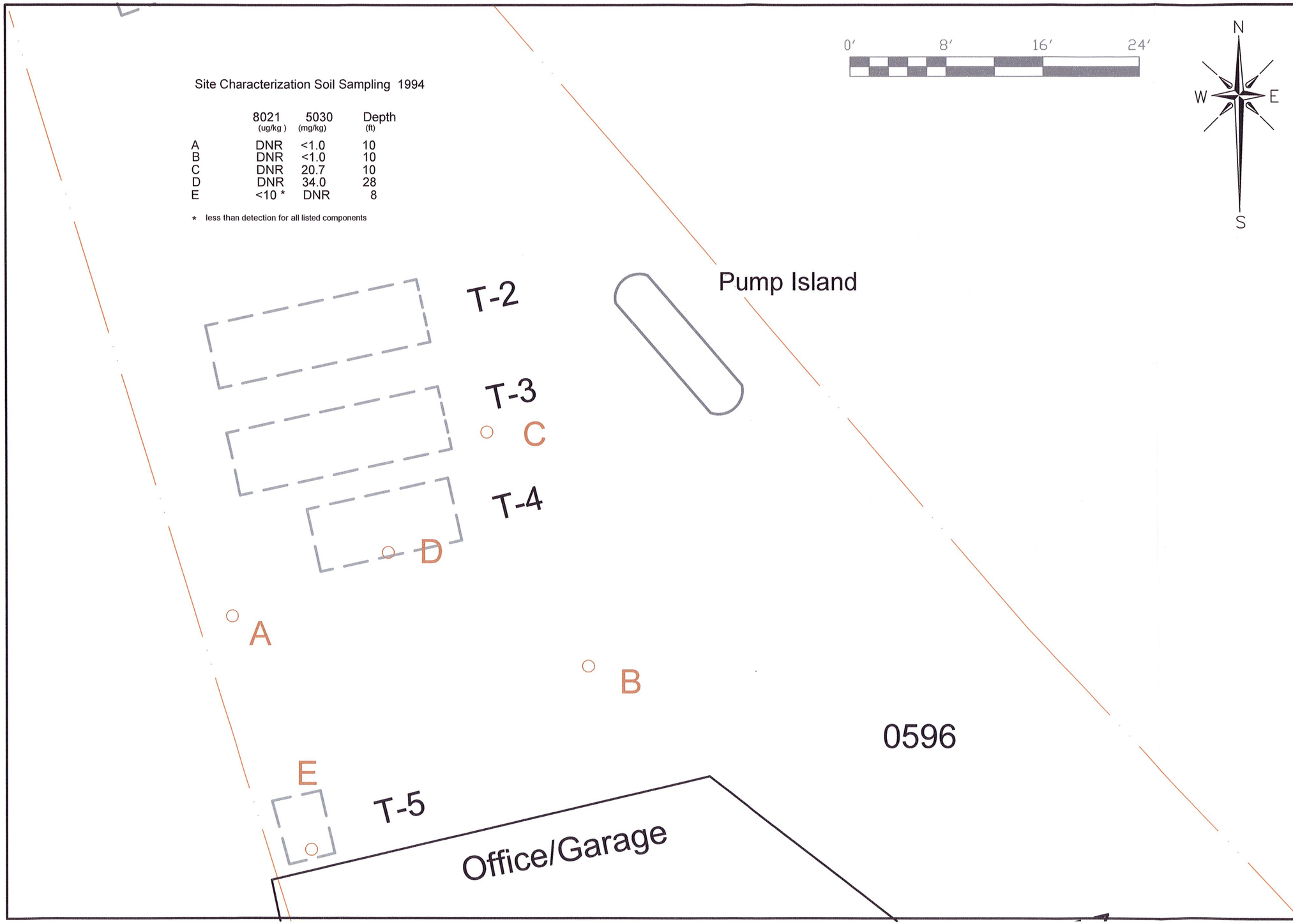
SHEET TITLE: UST SOIL ANALYTICAL DATA

Drawn By:	DLH
Approved:	WRH
Date:	10-29-07
Scale:	1"= 16 '
Sheet:	3
DWG Name:	J-7046

Site Characterization Soil Sampling 1994

	8021 (ug/kg)	5030 (mg/kg)	Depth (ft)
A	DNR	<1.0	10
B	DNR	<1.0	10
C	DNR	20.7	10
D	DNR	34.0	28
E	<10 *	DNR	8

* less than detection for all listed components



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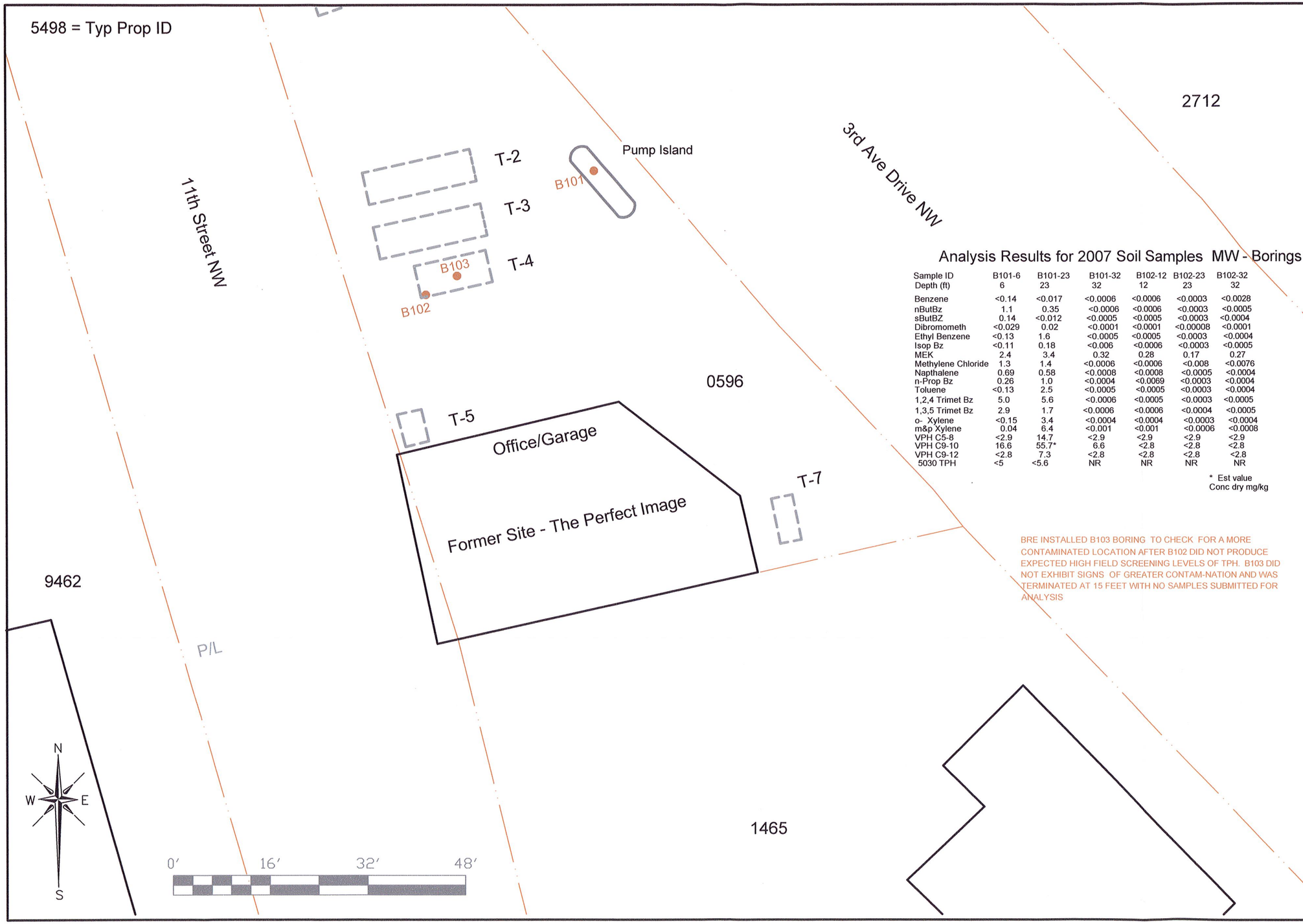
BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 12634

SHEET TITLE: SITE CHARACTERIZATION 1994 SOIL ANALYTICAL DATA

Drawn By:	WRH
Approved:	
Date:	11-10-07
Scale:	1″= 8′
Sheet:	4
DWG Name:	J-7046



BRE INSTALLED B103 BORING TO CHECK FOR A MORE CONTAMINATED LOCATION AFTER B102 DID NOT PRODUCE EXPECTED HIGH FIELD SCREENING LEVELS OF TPH. B103 DID NOT EXHIBIT SIGNS OF GREATER CONTAM-NATION AND WAS TERMINATED AT 15 FEET WITH NO SAMPLES SUBMITTED FOR ANALYSIS

Analysis Results for 2007 Soil Samples MW - Borings

Sample ID	B101-6	B101-23	B101-32	B102-12	B102-23	B102-32
Depth (ft)	6	23	32	12	23	32
Benzene	<0.14	<0.017	<0.0006	<0.0006	<0.0003	<0.0028
nButBz	1.1	0.35	<0.0006	<0.0006	<0.0003	<0.0005
sButBZ	0.14	<0.012	<0.0005	<0.0005	<0.0003	<0.0004
Dibromometh	<0.029	0.02	<0.0001	<0.0001	<0.00008	<0.0001
Ethyl Benzene	<0.13	1.6	<0.0005	<0.0005	<0.0003	<0.0004
Isop Bz	<0.11	0.18	<0.006	<0.0006	<0.0003	<0.0005
MEK	2.4	3.4	0.32	0.28	0.17	0.27
Methylene Chloride	1.3	1.4	<0.0006	<0.0006	<0.008	<0.0076
Napthalene	0.69	0.58	<0.0008	<0.0008	<0.0005	<0.0004
n-Prop Bz	0.26	1.0	<0.0004	<0.0069	<0.0003	<0.0004
Toluene	<0.13	2.5	<0.0005	<0.0005	<0.0003	<0.0004
1,2,4 Trimet Bz	5.0	5.6	<0.0006	<0.0005	<0.0003	<0.0005
1,3,5 Trimet Bz	2.9	1.7	<0.0006	<0.0006	<0.0004	<0.0005
o- Xylene	<0.15	3.4	<0.0004	<0.0004	<0.0003	<0.0004
m&p Xylene	0.04	6.4	<0.001	<0.001	<0.0006	<0.0008
VPH C5-8	<2.9	14.7	<2.9	<2.9	<2.9	<2.9
VPH C9-10	16.6	55.7*	6.6	<2.8	<2.8	<2.8
VPH C9-12	<2.8	7.3	<2.8	<2.8	<2.8	<2.8
5030 TPH	<5	<5.6	NR	NR	NR	NR

* Est value
Conc dry mg/kg

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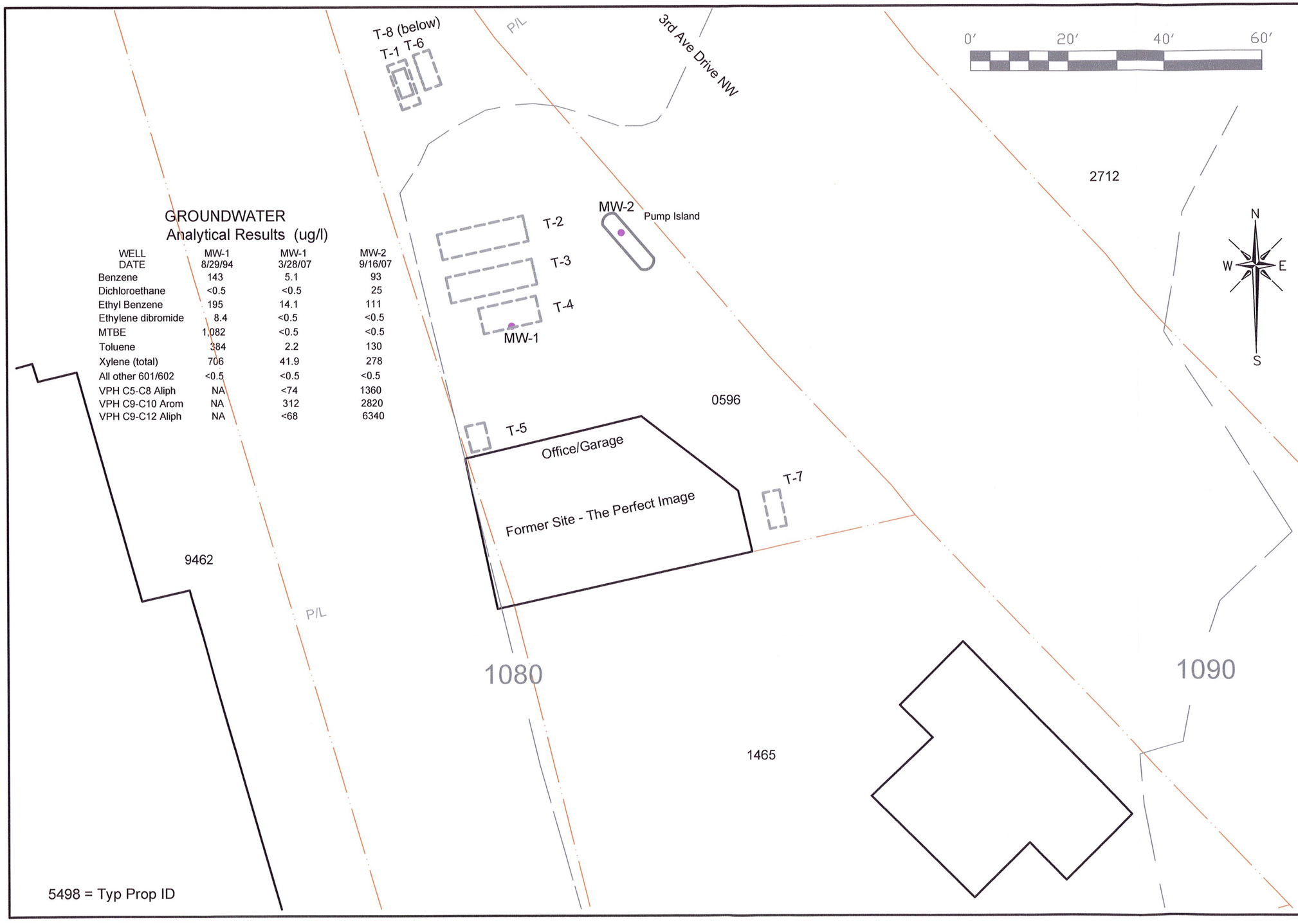
BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 12634

SHEET TITLE: MONITORING WELLS BORINGS 2007 SOIL ANALYTICAL DATA

Drawn By:	WRH
Approved:	
Date:	11-19-07
Scale:	1"= 16 '
Sheet:	5
DWG Name:	J-7009



GROUNDWATER
Analytical Results (ug/l)

WELL DATE	MW-1 8/29/94	MW-1 3/28/07	MW-2 9/16/07
Benzene	143	5.1	93
Dichloroethane	<0.5	<0.5	25
Ethyl Benzene	195	14.1	111
Ethylene dibromide	8.4	<0.5	<0.5
MTBE	1,082	<0.5	<0.5
Toluene	384	2.2	130
Xylene (total)	706	41.9	278
All other 601/602	<0.5	<0.5	<0.5
VPH C5-C8 Aliph	NA	<74	1360
VPH C9-C10 Arom	NA	312	2820
VPH C9-C12 Aliph	NA	<68	6340

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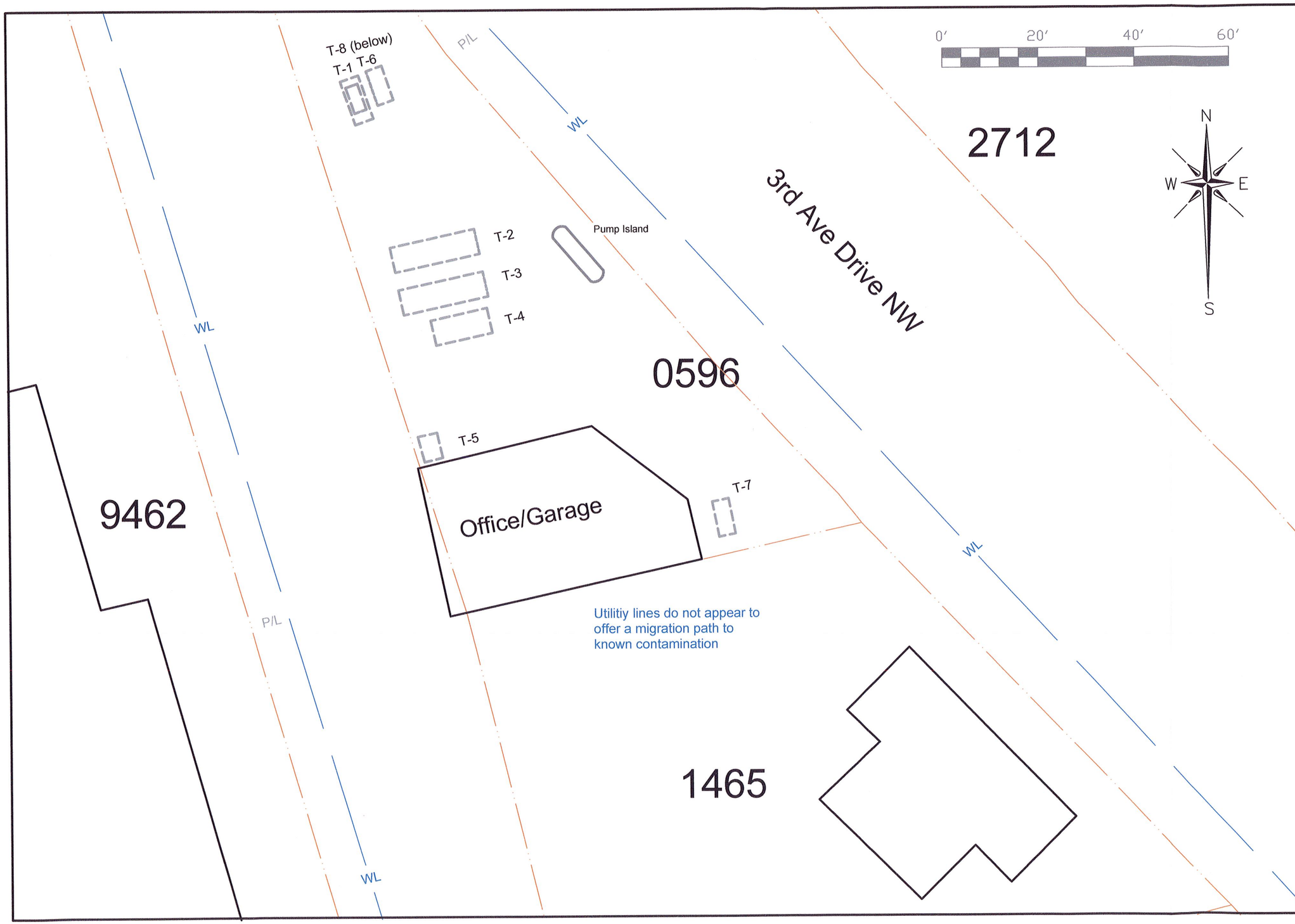
BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 12634

SHEET TITLE: MONITORING WELLS GW DATA

Drawn By:	WRH
Approved:	
Date:	11-12-07
Scale:	1"= 20 '
Sheet:	6
DWG Name:	J-7046



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BLUE RIDGE ENGINEERING

NAME: The Perfect Image Incident # 12634

SHEET TITLE: PLAN VIEW – UTILITIES

Drawn By:	WRH
Approved:	
Date:	11-12-07
Scale:	1 "= 20'
Sheet:	7
DWG Name:	J-7046

APPENDIX A
BORING LOGS

Blue Ridge Engineering, PLLC
529 North Main Street
North Wilkesboro, NC 28659

B-101 Date of boring: 9/12/2007 Weather: Clear low '80s
10:20 to 11:00 AM

Site: Perfect Image, Hickory
Date: 10/19/2007
Job: GW Investigation - LSA

Boring No. B-101
Groundwater (bgs) ~38 ft
Date Measured: 9/12/2007

DEPTH (FT)	UNIFIED CLASSIFICATION	PENETRATION RESISTANCE (BLOW PER FOOT) 0 10 20 30 40	VOC SCREEN	Remarks	ELEV (FT)
					Approx 1080 ft MSL
	0 - 5 Light brown clay Some discoloration		slight odor	46% recovery	
5.0				sampled at 6 feet	
	5-10 Red clay first 28 inches discolored black			93% recovery	
10.0	10.0 - 11.5 Red clay			93% recovery	
	11.5 - 15.0 Light brown sandy loam				
15.0	15.0 - 16.0 Red clay		No odor No discolor		
	16.0 to 20.0 Lt Brown sandy loam			100% recovery	
20.0	20.0 - 25.0 Brown sandy loam w-mica			Sampled 23 ft 100% recovery	
25.0	25.0 -30.0 Brown sandy loam saprolite			100% recovery	
30.0	30 to 32.0 Red brown sandy loam (sapro) 32 to 35 Grey brown gravely sand banded silty			100% recovery Sampled 32 ft	
35.0	35 - 38 Red brown silty sand w-grey bands 37 - 39 Grey brown silty sand		38 - 40 odor - old GW table moist discolored	100% recovery	
40.0	39 - 40 White and grey lightly weathered saprolite light grey granite w quartz Refusal at 40 feet			END BORING 40 ft Water level 2 ft aftter 3 hours	

Blue Ridge Engineering, PLLC
529 North Main Street
North Wilkesboro, NC 28659

B-102 Date of boring: 9/12/2007 Weather: Partly cloudy low '80s
01:00 - 02:30 PM

Site: Perfect Image, Hickory
Date: 10/19/2007
Job: GW Investigation - LSA

Boring No. B-102
Groundwater Elevation (bgs) Not Avail
Date Measured: N/A

DEPTH (FT)	UNIFIED CLASSIFICATION	PENETRATION RESISTANCE (BLOW PER FOOT) 0 10 20 30 40	VOC SCREEN	Remarks	ELEV (FT)
	4 inches asphalt 9 inches Red clay			21% recovery	Approx 1080 ft MSL
5.0				No sample upper 10 feet - above bottom of former UST	
	30 inches Red Clay 2 inches Lt Brown sandy loam			53% recovery	
10.0	10.0 - 13.0 Red clay silty loam 13 - 15 Lt Brown sandy loam			Sampled 12 ft	
15.0	15.0 - 18.0 Lt Brown sandy loam			100% recovery	
20.0	20 - 25 lt Brown sprollite charc - silty loam			100% recovery Sampled 23 ft	
25.0	25 to 27.5 Grey brown silty loam 27.5 to 30 Tan yellow silty loam			100% recovery	
30.0	30 to 35 Light Brown with white variegated saprolite			100% recovery Sampled 32 ft	
35.0	35 - 38 Light brown with white variegated saprolite Refusal at 38 feet			100% recovery	
40.0				END BORING 38 ft	
	No well - boring 5 ft from existing				

APPENDIX B
WELL CONSTRUCTION RECORDS

Division of Environmental Management - Groundwater Section
P.O. Box 29535 - Raleigh, N.C. 27626-0535
Phone (919) 733-3221

FOR OFFICE USE ONLY
QUAD. NO. ____ SERIAL NO. ____
Lat. ____ Long. ____ RO ____
Minor Basin ____
Basin Code ____
Header Ent. ____ GW-1 Ent. ____

WELL CONSTRUCTION RECORD

DRILLING CONTRACTOR: CERTIFORM SERVICES, INC

DRILLER REGISTRATION NUMBER: 1251

STATE WELL CONSTRUCTION PERMIT NUMBER:

MW-1

1. WELL LOCATION: (Show sketch of the location below)
   Nearest Town: HICKORY County: CATAWBA
   OLD LENOIR ROAD, 3RD AVENUE DRIVE
   (Road, Community, or Subdivision and Lot No.)
2. OWNER MR TERRY CHURCH
   ADDRESS P.O. BOX 1528
   (Street or Route No.)
   HICKORY NC 28603-1528
   City or Town State Zip Code
3. DATE DRILLED 8/29/94 USE OF WELL MONITORING
4. TOTAL DEPTH
5. CUTTINGS COLLECTED YES ☐ NO ☒
6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
7. STATIC WATER LEVEL Below Top of Casing: 34 FT.
   (Use "+" if Above Top of Casing)
8. TOP OF CASING IS +1 FT. Above Land Surface*
   * Casing Terminated at or Below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118
9. YIELD (gpm): N/A METHOD OF TEST
10. WATER ZONES (depth): UNCONFINED AQUIFER
11. CHLORINATION: Type N/A Amount
12. CASING:

	Depth From	Depth To	Diameter	Wall Thickness or Weight/Ft	Material
	0	25	2	Sch 40	PVC

13. GROUT:

	Depth From	Depth To	Material	Method
	0	21	Cement	Poured
	21	23	Bentonite	Poured

14. SCREEN:

	Depth From	Depth To	Diameter	Slot Size	Material
	25	40	2 in.	.010 in.	PVC
			in.	in.	
			in.	in.	

15. SAND/GRAVEL PACK:

	Depth From	Depth To	Size	Material
	23	40	Coarse	Qtz Sand

16. REMARKS: Flush mount protective casing, bolt down lid - padlocked expansion cap

Depth From	Depth To	Drilling Log Formation Description
0	2"	ASPHALT
2"	8"	STONE base
8"	8'	Orange clayey silt, sl. micaceous
8	40 ft	Tan, sandy silt saprolite micaceous, gneissic texture

If additional space is needed use back of form

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CONTRACTOR ~~OFFICIAL~~ DATE Oct. 3rd, 1994

Submit original to Division of Environmental Management and copy to well owner.

GW-1 REV. 9/91

The MW-1 well was installed in 1994. SEI did not completed the report for MW-2 due to original status as a temporary well. For additional information see Boring Logs Appendix A.

APPENDIX C
RISK CHARACTERIZATION INFORMATION

THE PERFECT IMAGE. RISK CHARACTERIZATION NOVEMBER 15, 2007

Part I - Groundwater/Surface Water/Vapor Impacts

High Risk

1. Has the release contaminated any water supply well including any well used for non-drinking purposes?
   NO
2. Is a water supply well used for drinking water located within 1,000 feet of the source area of the release?
   NO, The site is located in the Hickory, NC service area.
3. Is a water supply well not used for drinking water (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release?
   NO
4. Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than the groundwater)?
   NO
5. Do vapors from the release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment?
   NO
6. Are there any other factors that would cause the release to pose an imminent danger to public health, public safety, or the environment?
   NO

Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the release?
   NO
   If YES, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10?
   NOT APPLICABLE
8. Is the source area of the release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)?
   NO
9. Is the release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?
   NO
10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels established by the Department?
    NO

Part II – Land Use

Property Containing Source of Release

1. Does the property contain one or more primary or secondary residences (permanent or temporary)?
   NO
2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?
   NO
3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?
   YES, The property is commercial – Automotive repair
4. Do children visit the property
   YES
   Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)?
   YES, this type facility is not typically fenced
5. Do pavements, buildings, or other structures cap the contaminated soil?
   YES
   If yes, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future? Administrative measures to maintain pavement on the site.
6. What is the zoning status of the property?
   The site is zoned C5 - commercial
7. Is the use of the property likely to change in the next 20 years?
   Uncertain, this site is now in an area of post-mature commercial activity. The site grading and location may result in continued commercial use. Similar areas in Hickory have been redeveloped..

Property Surrounding Source Area of Release

1. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)?
   425 ft.
2. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly
   1,500 ft.
3. What is the zoning status of properties in the surrounding area?
   C-5 – commercial and I-2 – Industrial
4. Briefly characterize the use and activities of the land in the surrounding area.
   The site itself is a commercial use. The surrounding properties are used for a variety of commercial and industrial activities with some residential is nearby.

PERFECT IMAGE. RECEPTOR INFORMATION 11/15/07

1. Water Supply Wells
   No water supply wells were discovered during the receptor check for the surrounding area.
2. Public Water Supplies
   The site and surrounding area is supplied with public water and public sewer. The location of the force main(s) is on both sides of 3rd Ave. Dr.
3. Surface Water
   Please see the text of the report. There are two medium sized streams within the 1,500 ft. radius of the site.
4. Wellhead Protection Areas
   There are no wellhead protection areas within 1,500 ft of the source area.
5. Describe Deep Aquifers in the Coastal Plain Physiographic Region.
   Not applicable.
6. Describe Subsurface Structures.
   No subsurface structures are located on or near the property of the former tank site.
7. Property Owners and Occupants
   See Table B-6

APPENDIX D
STANDARD PROCEDURES

Standard Procedures – The Perfect Image, Hickory, NC

The sampling procedure for work on this shall follow in general the "Guidelines for the Investigation and Remediation of Soil and Groundwater" of the NC DENR UST Section. Field personnel will take soil samples and/or groundwater samples. Take soil samples from the 5 ft soil columns of the push probe by cutting the plastic cylinder and removing soil by hand using clean gloves. If soil samples are taken manually from depth greater than 0.5 ft use decontaminated stainless steel hand augers and new gloves.

A field sampling kit will hold materials to clean sampling equipment as necessary. Use Alconox and tap water followed by a rinse with tap water. Pre-cleaned hand augers and trowels shall be taken to the site ready for use. Clean the equipment between sampling locations and immediately before taking a new sample. Plan the work if possible to take background or potentially clean samples first in order and known contaminated samples last.

All samples for laboratory analysis shall be packed into clean jars or vials supplied by the laboratory that meet specifications of the UST Section. As the samples are obtained, the sample jars must be sealed, labeled, and placed in a cooler for transportation to the analytical lab. The samples must be labeled according to the boring, pump, tank and/or monitoring well where they originated. A chain of custody shall be maintained throughout the sampling event until the samples are submitted to the analytical laboratory.

The field technicians shall use new hand bailers to obtain the water samples from the well. The samples shall be preserved as required by the latest EPA protocols and NC policies and procedures prior to transport to the laboratory for analysis. The analytical methods selected shall be based on exposure to gasoline range constituents.

Other Information

Boring logs shall be recorded for each soil sampling boring or boring converted to a monitoring well. Any monitoring well installed on a temporary basis shall be abandoned in place within two weeks of final sampling by the procedures required in the NC regulations including filling with soil and bentonite. Follow NC guidelines for handling of materials like soil and purge water created during the sampling activities.

Digital photographs provide a good record of investigation activities. The investigators should record pertinent documentation for photographs including the direction of the view (North, South, etc.) and the photographer's name.

A good general reference for environmental sampling is the EPA Region IV Standard Operating Procedures manual latest edition.

APPENDIX E
CHAIN OF CUSTODY

Blue Ridge Labs, Inc.

P.O. Box 2940
Lenoir, NC 28645
Telephone (828) 728-0149 Fax (828) 728-0131

CHAIN OF CUSTODY RECORD

UST

DS Reporting_____ Groundwater ✓ Sanitary Landfill_____ Hazardous Waste_____ Industrial or QC_____ Non State Reporting_____

Report To: Environmental Abatement
John Engineer or Ron Hagaman

Bill To: Environmental Abatement
P.O. Box 221
Newton, NC 28658

Project Name: Perfect Image (Church's Body Shop)
PO Number:

Sample ID	Sample Type	Date	FIELD Time & Temp HR:MM °C	Resid. Chlor. Field Check YES	Resid. Chlor. Field Check NO	Field Dechlorination YES	Field Dechlorination NO	Preservatives Lab Check pH	Resid Chlor P or A	Temp °C	Sampler Initials	Requested Analysis
	W	3/28/07	11:00		✓		✓			3.1°		601/602 Exp, VPH

Relinquished by: [signature] Date: 3-28-07 Time 11:35

Received by: [signature] Date: 3/28/07 Time: 11:35

Page 1 of 1

Rev. 05/05/98

n submission of samples, buyer agrees that invoices are due at the time work is completed. Open accounts are due 20 days following the invoice date. A finance charge of 1.5% per month will be imposed on all t-due accounts. When relinquishing sample to Blue Ridge Labs (BRL), buyer authorizes BRL to perform only the analysis indicated above and also agrees to pay collection and attorneys fees if the account omes delinquent. BRL reserves the right to deny all QA/QC documentation for any work where payment has not been made. Without payment, BRL owns all the documentation and reserves the right to notify government agency (local, state, or federal) that there will be no QA/QC support for the data. BRL also does not guarantee that any work submitted will be accepted by any regulatory authority; therefore, it is the nts' responsibility to verify the required tests with the appropriate regulatory agency. All work for state reporting is under the jurisdiction of the Laboratory Section of NC DENR.

Blue Ridge Labs, Inc.

P.O. Box 2940
Lenoir, NC 28645
Telephone (828) 728-0149 Fax (828) 728-0131

CHAIN OF CUSTODY RECORD

PDS Reporting_____ Groundwater ✓ (UST) Sanitary Landfill_____ Hazardous Waste_____ Industrial or QC_____ Non State Reporting_____

Report To: Ron Haynes
Blue Ridge Engineering
529 Main St.
North Wilkesboro NC 28659

Bill To: John Sigmon
Environmental Abatements
P.O. Box 221
Newton, NC
Att. Blue Ridge Engineering

Project Name: Terry Church Perfect Image
PO Number: WRH

Sample ID	Sample Type	Date	FIELD Time & Temp HR:MM °C	Resid. Chlor. Field Check YES	NO	Field Dechlorination YES	NO	Preservatives Lab Check pH	Resid Chlor P or A	Temp °C	Sampler Initials	Requested Analysis
101-6	Soil	9/12/07									WRH	5030TPH, 8021 VPH
101-23	Soil	9/12/07									WRH	5030TPH, 8021, VPH
101-32	Soil	9/12/07										5030TPH Hold 8021, VPH*
102-12	Soil	9/12/07										5030TPH " "
102-23	Soil	9/12/07										5030TPH " "
102-32	Soil	9/12/07										5030TPH " "
103-13	Soil	9/12/07										5030TPH " "

Relinquished by: R. Ronald Haynes Date: 9/12/07 Time 14:27

Received by: ~~[illegible]~~ Date: 9/12/07 Time: 14:27 * call Ron Haynes

1 of 1

Rev. 05/05/98

Submission of samples, buyer agrees that invoices are due at the time work is completed. Open accounts are due 20 days following the invoice date. A finance charge of 1.5% per month will be imposed on all late accounts. When relinquishing sample to Blue Ridge Labs (BRL), buyer authorizes BRL to perform only the analysis indicated above and also agrees to pay collection and attorneys fees if the account is delinquent. BRL reserves the right to deny all QA/QC documentation for any work where payment has not been made. Without payment, BRL owns all the documentation and reserves the right to notify government agency (local, state, or federal) that there will be no QA/QC support for the data. BRL also does not guarantee that any work submitted will be accepted by any regulatory authority; therefore, it is the responsibility to verify the required tests with the appropriate regulatory agency. All work for state reporting is under the jurisdiction of the Laboratory Section of NC DENR.

Blue Ridge Labs, Inc.

P.O. Box 2940
Lenoir, NC 28645
Telephone (828) 728-0149 Fax (828) 728-0131

CHAIN OF CUSTODY RECORD

NPDS Reporting_____ ~~Groundwater~~ UST ✓ Sanitary Landfill_____ Hazardous Waste_____ Industrial or QC_____ Non State Reporting_____

Report To: Ron Haynes
Blue Ridge Engr
N. Wilkesboro

Bill To: Blue Ridge Engr PLLC
529 Main St
North Wilkesboro NC
28659

Project Name: 7046
PO Number: WRH

Sample ID	Sample Type	Date	FIELD Time & Temp HR:MM °C	Resid. Chlor. Field Check YES	NO	Field Dechlorination YES	NO	Preservatives Lab Check pH	Resid Chlor P or A	Temp °C	Sampler Initials	Requested Analysis
TMW-2	water	9/16/07	19:15/16							3.1°	WRH	601 602 VPH

Relinquished by: W. Ronald Haynes Date: 9/16/07 Time 19:55

Received by: [signature] Date: 9/17/07 Time: 8:30

Page 1 of 1

with custody seal on cooler

Rev. 05/05/98

Upon submission of samples, buyer agrees that invoices are due at the time work is completed. Open accounts are due 20 days following the invoice date. A finance charge of 1.5% per month will be imposed on all past-due accounts. When relinquishing sample to Blue Ridge Labs (BRL), buyer authorizes BRL to perform only the analysis indicated above and also agrees to pay collection and attorneys fees if the account becomes delinquent. BRL reserves the right to deny all QA/QC documentation for any work where payment has not been made. Without payment, BRL owns all the documentation and reserves the right to notify any government agency (local, state, or federal) that there will be no QA/QC support for the data. BRL also does not guarantee that any work submitted will be accepted by any regulatory authority; therefore, it is the clients' responsibility to verify the required tests with the appropriate regulatory agency. All work for state reporting is under the jurisdiction of the Laboratory Section of NC DENR.

APPENDIX F
LABORATORY ANALYTICAL REPORTS

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 28-Mar-07

Report Date: 16-Apr-07

Sample Date: 28-Mar-07

BRL #: BRL-2007-0286

Lab Sample ID: LSID-2007-01819

Client Sample ID: Perfect Image Church's Body Shop

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Bromodichloromethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Bromoform	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Bromomethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Carbon Tetrachloride	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Chloroethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Chloroethylvinyl Ether, 2-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Chloroform	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Chloromethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dibromochloromethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichlorodifluoromethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloroethane, 1,1-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloroethane, 1,2-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloroethene, 1,1-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloroethene, trans-1,2-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloropropane, 1,2-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloropropene, cis-1,3-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Dichloropropene, trans-1,3-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Ethylene Dibromide (EDB)	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM

Reported By:

K.S. Matheson, S.J. Johnson

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0140

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 28-Mar-07

Report Date: 16-Apr-07

Sample Date: 28-Mar-07

BRL #: BRL-2007-0286

Lab Sample ID: LSID-2007-01819

Client Sample ID: Perfect Image

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Methylene Chloride	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Tetrachloroethane, 1,1,2,2-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Tetrachloroethene	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Trichloroethane, 1,1,1-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Trichloroethane, 1,1,2-	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Trichloroethene	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Trichlorofluoromethane	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM
Vinyl Chloride	*	0.5	ug/l	EPA-601 Exp.	7:47	3/29/2007	KSM

Reported By: K.S. Matheson, S.J. Johnson

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs

PO Box [illegible] • Pine Mountain Road
Lenoir, North Carolina [illegible]
Telephone ([illegible]) [illegible]

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 28-Mar-07

Report Date: 16-Apr-07

Sample Date: 28-Mar-07

BRL #: BRL-2007-0286

Lab Sample ID: LSID-2007-01820

Client Sample ID: Perfect Image

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Benzene	5.1	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Chlorobenzene	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Dichlorobenzene, 1,2-	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Dichlorobenzene, 1,3-	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Dichlorobenzene, 1,4-	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Ethyl Benzene	14.1	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
IPE	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
MTBE	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Naphthalene	*	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Toluene	2.2	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Xylene, o-	5.4	0.5	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM
Xylenes, m & p-	36.5	1	ug/l	EPA-602 Exp	8:31	3/29/2007	KSM

Reported By:

K.S. Matheson, S.J. Johnson

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pisgah Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 758-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 28-Mar-07

Report Date: 16-Apr-07

Sample Date: 28-Mar-07

BRL #: BRL-2007-0286

Lab Sample ID: LSID-2007-01821

Client Sample ID: Perfect Image

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	0.074	mg/l	MADEP-VPH	5:44	4/7/2007	KSM
VPH C9-C10 Aromatics	0.312	0.072	mg/l	MADEP-VPH	5:44	4/7/2007	KSM
VPH C9-C12 Aliphatics	*	0.068	mg/l	MADEP-VPH	5:44	4/7/2007	KSM

Reported By: K.S. Matheson, S.J. Johnson

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pisgah Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 28-Mar-07

Report Date: 16-Apr-07

Sample Date:

BRL #: BRL-2007-0286

Lab Sample ID: LSID-2007-01822

Client Sample ID: Trip Blank

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	0.074	mg/l	MADEP-VPH	3:31	4/7/2007	KSM
VPH C9-C10 Aromatics	*	0.072	mg/l	MADEP-VPH	3:31	4/7/2007	KSM
VPH C9-C12 Aliphatics	*	0.068	mg/l	MADEP-VPH	3:31	4/7/2007	KSM

Reported By:

K.S. Matheson, S.J. Johnson

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

BLUE RIDGE LABS
VPH (Aliphatics/Aromatics) REPORTING FORM

CLIENT: Environmental Abatements
PROJECT:

NC LAB CERTIFICATION # 275
SITE LOCATION:

SAMPLE INFORMATION AND ANALYTICAL RESULTS

Sample ID	1822	1821					
Sample Matrix	Water TB	Water					
Collection Option (Soil)*	NA	NA					
Date Collected	3/28/07	3/28/07					
Date Received	3/28/07	3/28/07					
Date Extracted	4/6/07	4/6/07					
Date Analyzed	4/7/07	4/7/07					
Dry Weight	NA	NA					
Dilution Factor	1.0	1.0					
C5-C8 Aliphatics**	< 0.074 mg/l	< 0.074 mg/l					
C9-C12 Aliphatics**	< 0.068 mg/l	< 0.068 mg/l					
C9-C10 Aromatics**	< 0.072 mg/l	0.312 mg/l					
Surrogate % Recovery-PID	80.5	79.8					
Surrogate % Recovery-FID	81.2	79.9					

*Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand) Option 3 = Field weight of soil

**Range results should exclude any surrogates, internal standards, or Target PAH analytes

*** Estimated va;ue, beyond linear range [a] No trip blank submitted [b] Observed in method or trip blank

	C5-C8 Aliphatic	C9-C12 Aliphatic	C9-C10 Aromatic
% Recovery-Fortified Blank (Spike)-PID	NA	NA	97.4 %
Relative % Difference-PID Dup	NA	NA	0.9 %
Percent Recovery-Fortified Blank (Spike)-FID	99.7 %	96.9 %	NA
Relative % Difference-FID Dup	0.4 %	0.7 %	NA

BLUE RIDGE LABS
VPH REPORTING FORM

Initial Calibration Date: 12/20/06

Sample Identification: 1822, 1821

Calibration Ranges and Limits

RANGE	MDL	ML	RL
C5-C8 Aliphatics	0.0231 mg/l	0.0735 mg/l	0.074 mg/l
C9-C12 Aliphatics	0.0214 mg/l	0.0679 mg/l	0.068 mg/l
C9-C10 Aromatics	0.0227 mg/l	0.0721 mg/l	0.072 mg/l

Note: Please include appropriate units

Method of Quantitation: Curve or Average Response Factor

Calibration Concentration Levels

RANGE	LEVELS	% RSD OR CCC
C5-C8 Aliphatics	0.050 mg/l	CCC=0.9981
	0.200 mg/l	
	0.400 mg/l	
	0.600 mg/l	
	0.800 mg/l	
C9-C12 Aliphatics	0.050 mg/l	CCC=0.9981
	0.200 mg/l	
	0.400 mg/l	
	0.600 mg/l	
	0.800 mg/l	
C9-C10 Aromatics	0.050 mg/l	CCC=0.9980
	0.200 mg/l	
	0.400 mg/l	
	0.600 mg/l	
	0.800 mg/l	

Note: Please include appropriate units

Calibration Check Date: 4/6/07

Calibration Check

RANGE	LEVEL	RPD
C5-C8 Aliphatics	0.399 mg/l	0.1 %
C9-C12 Aliphatics	0.397 mg/l	0.4 %
C9-C10 Aromatics	0.390 mg/l	1.2 %

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05161

Client Sample ID: B101-6

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH GRO	*	5	dry mg/kg	GRO 8015		9/24/2007	EnviroC

Reported By: Steven J. Johnson

K.S. Matheson, S.J. Johnson, D.R. Wessinger

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05162

Client Sample ID: B101-6

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
2-Hexanone	*	0.039	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
4-Methyl-2-pentanone (MIBK)	*	0.045	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Acetone	*	0.24	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Benzene	*	0.14	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Bromobenzene	*	0.08	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Bromochloromethane	*	0.069	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Bromodichloromethane	*	0.086	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Bromoform	*	0.033	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Bromomethane	*	0.23	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Butylbenzene, n-	1.1	0.098	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Butylbenzene, sec-	0.14	0.1	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Butylbenzene, tert-	*	0.1	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Carbon disulfide	*	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Carbon Tetrachloride	*	0.053	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Chlorobenzene	*	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Chloroethane	*	0.22	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Chloroform	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Chloromethane	*	0.16	mg/kg	EPA 8260B	1:20	9/26/2007	Prism

Reported By:

K.S. Matheson, S.J. Johnson, D.R. Wessinger

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05162

Client Sample ID: B101-6

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Chlorotoluene, 2-	*	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Chlorotoluene, 4-	*	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
cis-1,2-dichloroethene	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dibromochloromethane	*	0.036	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dibromoethane, 1,2- (EDB)	*	0.029	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichlorobenzene, 1,2-	*	0.092	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichlorobenzene, 1,3-	*	0.11	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichlorobenzene, 1,4-	*	0.094	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichlorodifluoromethane	*	0.026	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloroethane, 1,1-	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloroethane, 1,2	*	0.042	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloroethene, 1,1-	*	0.073	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloropropane, 1,2-	*	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloropropane, 1,3-	*	0.05	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloropropane, 2,2-	*	0.1	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloropropene, 1,1-	*	0.082	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloropropene, cis-1,3-	*	0.084	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Dichloropropene, trans-1,3-	*	0.053	mg/kg	EPA 8260B	1:20	9/26/2007	Prism

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275

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BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05162

Client Sample ID: B101-6

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Ethyl Benzene	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
IPE	*	0.087	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Isopropyltoluene, p-	*	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Isopropypbenzene	*	0.11	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
m/p-Xylenes	0.40	0.26	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
MEK	2.4	0.14	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Methylene Chloride	1.3	0.11	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
MTBE	*	0.035	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Naphthalene	0.69	0.023	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
o-Xylenes	*	0.15	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Propylbenzene, n-	0.26	0.12	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Styrene	*	0.14	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Tetrachloroethane, 1,1,1,2-	*	0.033	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Tetrachloroethene	*	0.084	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Toluene	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
trans-1,2-dichloroethene	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trichlorobenzene, 1,2,3-	*	0.069	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trichlorobenzene, 1,2,4-	*	0.074	mg/kg	EPA 8260B	1:20	9/26/2007	Prism

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05162

Client Sample ID: B101-6

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Trichloroethane, 1,1,1-	*	0.11	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trichloroethane, 1,1,2-	*	0.037	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trichloroethene	*	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trichlorofluoromethane	*	0.032	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trichloropropane, 1,2,3-	*	0.025	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trimethylbenzene, 1,2,4-	5	1.1	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Trimethylbenzene, 1,3,5-	2.9	0.13	mg/kg	EPA 8260B	1:20	9/26/2007	Prism
Vinyl Chloride	*	0.094	mg/kg	EPA 8260B	1:20	9/26/2007	Prism

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BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05163

Client Sample ID: B101-6

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	2.9	dry mg/kg	MADEP-VPH	11:34	10/2/2007	JAW
VPH C9-C10 Aromatics	16.6	2.8	dry mg/kg	MADEP-VPH	11:34	10/2/2007	JAW
VPH C9-C12 Aliphatics	*	2.8	dry mg/kg	MADEP-VPH	11:34	10/2/2007	JAW

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05164

Client Sample ID: B101-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH GRO	*	5.6	dry mg/kg	GRO 8015		9/24/2007	EnviroC

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Client : Environmental Abatements
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Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05165
Client Sample ID: B101-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
2-Hexanone	*	0.047	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
4-Methyl-2-pentanone (MIBK)	*	0.054	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Acetone	*	0.29	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Benzene	*	0.17	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Bromobenzene	*	0.095	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Bromochloromethane	*	0.083	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Bromodichloromethane	*	0.1	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Bromoform	*	0.039	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Bromomethane	*	0.28	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Butylbenzene, n-	0.36	0.12	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Butylbenzene, sec-	*	0.12	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Butylbenzene, tert-	*	0.12	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Carbon disulfide	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Carbon Tetrachloride	*	0.063	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Chlorobenzene	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Chloroethane	*	0.26	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Chloroform	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Chloromethane	*	0.19	mg/kg	EPA 8260B	2:36	9/26/2007	Prism

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05165

Client Sample ID: B101-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Chlorotoluene, 2-	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Chlorotoluene, 4-	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
cis-1,2-dichloroethene	*	0.16	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dibromochloromethane	*	0.044	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dibromoethane, 1,2- (EDB)	0.2	0.034	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichlorobenzene, 1,2-	*	0.11	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichlorobenzene, 1,3-	*	0.13	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichlorobenzene, 1,4-	*	0.11	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichlorodifluoromethane	*	0.031	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloroethane, 1,1-	*	0.16	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloroethane, 1,2	*	0.05	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloroethene, 1,1-	*	0.087	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloropropane, 1,2-	*	0.14	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloropropane, 1,3-	*	0.06	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloropropane, 2,2-	*	0.12	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloropropene, 1,1-	*	0.097	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloropropene, cis-1,3-	*	0.1	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Dichloropropene, trans-1,3-	*	0.063	mg/kg	EPA 8260B	2:36	9/26/2007	Prism

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05165

Client Sample ID: B101-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Ethyl Benzene	1.6	0.16	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
IPE	*	0.1	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Isopropyltoluene, p-	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Isopropypbenzene	0.18	0.13	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
m/p-Xylenes	6.4	0.31	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
MEK	3.4	0.16	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Methylene Chloride	1.4	0.13	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
MTBE	*	0.041	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Naphthalene	0.58	0.028	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
o-Xylenes	3.4	0.18	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Propylbenzene, n-	1	0.14	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Styrene	*	0.17	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Tetrachloroethane, 1,1,1,2-	*	0.039	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Tetrachloroethene	*	0.1	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Toluene	2.5	0.16	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
trans-1,2-dichloroethene	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trichlorobenzene, 1,2,3-	*	0.083	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trichlorobenzene, 1,2,4-	*	0.088	mg/kg	EPA 8260B	2:36	9/26/2007	Prism

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Lab Sample ID: LSID-2007-05165

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Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Trichloroethane, 1,1,1-	*	0.13	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trichloroethane, 1,1,2-	*	0.045	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trichloroethene	*	0.15	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trichlorofluoromethane	*	0.038	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trichloropropane, 1,2,3-	*	0.03	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trimethylbenzene, 1,2,4-	5.6	0.14	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Trimethylbenzene, 1,3,5-	1.7	0.16	mg/kg	EPA 8260B	2:36	9/26/2007	Prism
Vinyl Chloride	*	0.11	mg/kg	EPA 8260B	2:36	9/26/2007	Prism

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BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05166

Client Sample ID: B101-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	14.7	2.9	dry mg/kg	MADEP-VPH	12:21	10/2/2007	JAW
VPH C9-C10 Aromatics	55.7***	2.8	dry mg/kg	MADEP-VPH	12:21	10/2/2007	JAW
VPH C9-C12 Aliphatics	7.3	2.8	dry mg/kg	MADEP-VPH	12:21	10/2/2007	JAW

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05167

Client Sample ID: B101-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
2-Hexanone	*	0.0008	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
4-Methyl-2-pentanone (MIBK)	*	0.0007	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Acetone	0.22	0.0029	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Benzene	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Bromobenzene	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Bromochloromethane	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Bromodichloromethane	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Bromoform	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Bromomethane	*	0.0008	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Butylbenzene, n-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Butylbenzene, sec-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Butylbenzene, tert-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Carbon disulfide	*	0.12	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Carbon Tetrachloride	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Chlorobenzene	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Chloroethane	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Chloroform	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Chloromethane	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism

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BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05167

Client Sample ID: B101-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Chlorotoluene, 2-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Chlorotoluene, 4-	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
cis-1,2-dichloroethene	*	0.0003	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dibromochloromethane	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dibromoethane, 1,2- (EDB)	*	0.0001	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichlorobenzene, 1,2-	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichlorobenzene, 1,3-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichlorobenzene, 1,4-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichlorodifluoromethane	*	0.0016	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloroethane, 1,1-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloroethane, 1,2	*	0.0007	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloroethene, 1,1-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloropropane, 1,2-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloropropane, 1,3-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloropropane, 2,2-	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloropropene, 1,1-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloropropene, cis-1,3-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Dichloropropene, trans-1,3-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism

Reported By:

K.S. Mathesen, S. J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
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Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658
Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05167
Client Sample ID: B101-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Ethyl Benzene	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
IPE	*	0.0003	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Isopropyltoluene, p-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Isopropypbenzene	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
m/p-Xylenes	*	0.001	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
MEK	0.32	0.002	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Methylene Chloride	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
MTBE	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Naphthalene	*	0.0008	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
o-Xylenes	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Propylbenzene, n-	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Styrene	*	0.0007	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Tetrachloroethane, 1,1,1,2-	*	0.0007	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Tetrachloroethene	*	0.0013	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Toluene	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
trans-1,2-dichloroethene	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trichlorobenzene, 1,2,3-	*	0.0008	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trichlorobenzene, 1,2,4-	*	0.0007	mg/kg	EPA 8260B	22:25	9/25/2007	Prism

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Client : Environmental Abatements
PO Box 221
Newton, NC 28658
Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05167
Client Sample ID: B101-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Trichloroethane, 1,1,1-	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trichloroethane, 1,1,2-	*	0.0005	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trichloroethene	*	0.0004	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trichlorofluoromethane	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trichloropropane, 1,2,3-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trimethylbenzene, 1,2,4-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Trimethylbenzene, 1,3,5-	*	0.0006	mg/kg	EPA 8260B	22:25	9/25/2007	Prism
Vinyl Chloride	*	0.0009	mg/kg	EPA 8260B	22:25	9/25/2007	Prism

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Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05168

Client Sample ID: B101-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	2.9	dry mg/kg	MADEP-VPH	13:08	10/2/2007	JAW
VPH C9-C10 Aromatics	6.6	2.8	dry mg/kg	MADEP-VPH	13:08	10/2/2007	JAW
VPH C9-C12 Aliphatics	*	2.8	dry mg/kg	MADEP-VPH	13:08	10/2/2007	JAW

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Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05169

Client Sample ID: B102-12

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
2-Hexanone	*	0.0007	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
4-Methyl-2-pentanone (MIBK)	*	0.0007	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Acetone	0.078	0.0027	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Benzene	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Bromobenzene	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Bromochloromethane	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Bromodichloromethane	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Bromoform	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Bromomethane	*	0.0008	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Butylbenzene, n-	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Butylbenzene, sec-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Butylbenzene, tert-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Carbon disulfide	*	0.12	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Carbon Tetrachloride	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Chlorobenzene	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Chloroethane	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Chloroform	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Chloromethane	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism

Reported By:

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Attention: John Sigmon

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05169

Client Sample ID: B102-12

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Chlorotoluene, 2-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Chlorotoluene, 4-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
cis-1,2-dichloroethene	*	0.0003	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dibromochloromethane	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dibromoethane, 1,2- (EDB)	*	0.0001	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichlorobenzene, 1,2-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichlorobenzene, 1,3-	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichlorobenzene, 1,4-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichlorodifluoromethane	*	0.0016	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloroethane, 1,1-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloroethane, 1,2	*	0.0007	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloroethene, 1,1-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloropropane, 1,2-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloropropane, 1,3-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloropropane, 2,2-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloropropene, 1,1-	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloropropene, cis-1,3-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Dichloropropene, trans-1,3-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism

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Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05169

Client Sample ID: B102-12

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Ethyl Benzene	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
IPE	*	0.0002	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Isopropyltoluene, p-	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Isopropypbenzene	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
m/p-Xylenes	*	0.001	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
MEK	0.28	0.0019	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Methylene Chloride	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
MTBE	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Naphthalene	*	0.0008	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
o-Xylenes	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Propylbenzene, n-	*	0.0069	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Styrene	*	0.0007	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Tetrachloroethane, 1,1,1,2-	*	0.0007	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Tetrachloroethene	*	0.0012	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Toluene	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
trans-1,2-dichloroethene	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trichlorobenzene, 1,2,3-	*	0.0008	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trichlorobenzene, 1,2,4-	*	0.0007	mg/kg	EPA 8260B	21:22	9/25/2007	Prism

Reported By:

K.S. Mathesen, S. J. Johnson, D.R. Wessinger

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Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05169

Client Sample ID: B102-12

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Trichloroethane, 1,1,1-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trichloroethane, 1,1,2-	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trichloroethene	*	0.0004	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trichlorofluoromethane	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trichloropropane, 1,2,3-	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trimethylbenzene, 1,2,4-	*	0.0005	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Trimethylbenzene, 1,3,5-	*	0.0006	mg/kg	EPA 8260B	21:22	9/25/2007	Prism
Vinyl Chloride	*	0.0009	mg/kg	EPA 8260B	21:22	9/25/2007	Prism

Reported By:

K.S. Matheson, S.J. Johnson, D.R. Wessinger

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Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05170

Client Sample ID: B102-12

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	2.9	dry mg/kg	MADEP-VPH	10:47	10/2/2007	JAW
VPH C9-C10 Aromatics	*	2.8	dry mg/kg	MADEP-VPH	10:47	10/2/2007	JAW
VPH C9-C12 Aliphatics	*	2.8	dry mg/kg	MADEP-VPH	10:47	10/2/2007	JAW

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date:

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05172

Client Sample ID: Trip Blank

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	2.9	dry mg/kg	MADEP-VPH	6:54	10/2/2007	JAW
VPH C9-C10 Aromatics	*	2.8	dry mg/kg	MADEP-VPH	6:54	10/2/2007	JAW
VPH C9-C12 Aliphatics	*	2.8	dry mg/kg	MADEP-VPH	6:54	10/2/2007	JAW

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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Client : Environmental Abatements
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Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05173

Client Sample ID: B102-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
2-Hexanone	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
4-Methyl-2-pentanone (MIBK)	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Acetone	0.044	0.0017	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Benzene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Bromobenzene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Bromochloromethane	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Bromodichloromethane	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Bromoform	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Bromomethane	*	0.0005	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Butylbenzene, n-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Butylbenzene, sec-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Butylbenzene, tert-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Carbon disulfide	*	0.12	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Carbon Tetrachloride	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Chlorobenzene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Chloroethane	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Chloroform	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Chloromethane	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism

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Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05173

Client Sample ID: B102-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Chlorotoluene, 2-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Chlorotoluene, 4-	*	0.0002	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
cis-1,2-dichloroethene	*	0.0002	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dibromochloromethane	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dibromoethane, 1,2- (EDB)	*	8E-05	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichlorobenzene, 1,2-	*	0.0002	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichlorobenzene, 1,3-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichlorobenzene, 1,4-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichlorodifluoromethane	*	0.001	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloroethane, 1,1-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloroethane, 1,2	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloroethene, 1,1-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloropropane, 1,2-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloropropane, 1,3-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloropropane, 2,2-	*	0.0002	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloropropene, 1,1-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloropropene, cis-1,3-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Dichloropropene, trans-1,3-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism

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Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05173

Client Sample ID: B102-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Ethyl Benzene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
IPE	*	0.0001	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Isopropyltoluene, p-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Isopropypbenzene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
m/p-Xylenes	*	0.0006	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
MEK	0.17	0.0012	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Methylene Chloride	0.008	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
MTBE	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Naphthalene	*	0.0005	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
o-Xylenes	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Propylbenzene, n-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Styrene	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Tetrachloroethane, 1,1,1,2-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Tetrachloroethene	*	0.0007	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Toluene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
trans-1,2-dichloroethene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trichlorobenzene, 1,2,3-	*	0.0005	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trichlorobenzene, 1,2,4-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism

Reported By:

K.S. Matheson, S. L. Johnson, D.R. Wessinger

*** Concentrations are below Minimum Quantification Limit except where noted.**

NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658
Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05173
Client Sample ID: B102-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Trichloroethane, 1,1,1-	*	0.0002	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trichloroethane, 1,1,2-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trichloroethene	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trichlorofluoromethane	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trichloropropane, 1,2,3-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trimethylbenzene, 1,2,4-	*	0.0003	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Trimethylbenzene, 1,3,5-	*	0.0004	mg/kg	EPA 8260B	21:54	9/25/2007	Prism
Vinyl Chloride	*	0.0005	mg/kg	EPA 8260B	21:54	9/25/2007	Prism

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Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05174

Client Sample ID: B102-23

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	2.9	dry mg/kg	MADEP-VPH	10:01	10/2/2007	JAW
VPH C9-C10 Aromatics	*	2.8	dry mg/kg	MADEP-VPH	10:01	10/2/2007	JAW
VPH C9-C12 Aliphatics	*	2.8	dry mg/kg	MADEP-VPH	10:01	10/2/2007	JAW

Reported By:

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Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0140

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05175

Client Sample ID: B102-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
2-Hexanone	*	0.0006	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
4-Methyl-2-pentanone (MIBK)	*	0.0006	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Acetone	*	0.0023	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Benzene	0.0028	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Bromobenzene	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Bromochloromethane	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Bromodichloromethane	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Bromoform	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Bromomethane	*	0.0007	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Butylbenzene, n-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Butylbenzene, sec-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Butylbenzene, tert-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Carbon disulfide	*	0.12	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Carbon Tetrachloride	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Chlorobenzene	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Chloroethane	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Chloroform	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Chloromethane	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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Client : Environmental Abatements
PO Box 221
Newton, NC 28658
Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05175
Client Sample ID: B102-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Chlorotoluene, 2-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Chlorotoluene, 4-	*	0.0003	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
cis-1,2-dichloroethene	*	0.0003	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dibromochloromethane	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dibromoethane, 1,2- (EDB)	*	0.0001	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichlorobenzene, 1,2-	*	0.0003	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichlorobenzene, 1,3-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichlorobenzene, 1,4-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichlorodifluoromethane	*	0.0013	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloroethane, 1,1-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloroethane, 1,2	*	0.0006	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloroethene, 1,1-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloropropane, 1,2-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloropropane, 1,3-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloropropane, 2,2-	*	0.0003	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloropropene, 1,1-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloropropene, cis-1,3-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Dichloropropene, trans-1,3-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism

Reported By:

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Client : Environmental Abatements
PO Box 221
Newton, NC 28658
Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05175
Client Sample ID: B102-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Ethyl Benzene	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
IPE	*	0.0002	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Isopropyltoluene, p-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Isopropypbenzene	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
m/p-Xylenes	*	0.0008	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
MEK	0.27	0.0017	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Methylene Chloride	0.0076	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
MTBE	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Naphthalene	*	0.0007	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
o-Xylenes	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Propylbenzene, n-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Styrene	*	0.0006	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Tetrachloroethane, 1,1,1,2-	*	0.0006	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Tetrachloroethene	*	0.001	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Toluene	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
trans-1,2-dichloroethene	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trichlorobenzene, 1,2,3-	*	0.0007	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trichlorobenzene, 1,2,4-	*	0.0006	mg/kg	EPA 8260B	22:57	9/25/2007	Prism

Reported By:

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Newton, NC 28658
Attention: John Sigmon
Date Received: 12-Sep-07
Report Date: 15-Oct-07
Sample Date: 12-Sep-07
BRL #: BRL-2007-0829
Lab Sample ID: LSID-2007-05175
Client Sample ID: B102-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Trichloroethane, 1,1,1-	*	0.0003	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trichloroethane, 1,1,2-	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trichloroethene	*	0.0004	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trichlorofluoromethane	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trichloropropane, 1,2,3-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trimethylbenzene, 1,2,4-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Trimethylbenzene, 1,3,5-	*	0.0005	mg/kg	EPA 8260B	22:57	9/25/2007	Prism
Vinyl Chloride	*	0.0008	mg/kg	EPA 8260B	22:57	9/25/2007	Prism

Reported By:

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Telephone (828) 728-0149

Client : Environmental Abatements
PO Box 221
Newton, NC 28658

Attention: John Sigmon

Date Received: 12-Sep-07

Report Date: 15-Oct-07

Sample Date: 12-Sep-07

BRL #: BRL-2007-0829

Lab Sample ID: LSID-2007-05176

Client Sample ID: B102-32

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	2.9	dry mg/kg	MADEP-VPH	9:14	10/2/2007	JAW
VPH C9-C10 Aromatics	*	2.8	dry mg/kg	MADEP-VPH	9:14	10/2/2007	JAW
VPH C9-C12 Aliphatics	*	2.8	dry mg/kg	MADEP-VPH	9:14	10/2/2007	JAW

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Blue Ridge Engineering
529 N. Main St.
North Wilkesboro, NC 28659

Attention: Mr. Ron Haynes

Date Received: 17-Sep-07

Report Date: 04-Oct-07

Sample Date: 16-Sep-07

BRL #: BRL-2007-0852

Lab Sample ID: LSID-2007-05348

Client Sample ID: TMW-2

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Bromodichloromethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Bromoform	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Bromomethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Carbon Tetrachloride	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Chloroethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Chloroethylvinyl Ether, 2-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Chloroform	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Chloromethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dibromochloromethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichlorodifluoromethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloroethane, 1,1-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloroethane, 1,2-	25	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloroethene, 1,1-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloroethene, trans-1,2-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloropropane, 1,2-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloropropene, cis-1,3-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Dichloropropene, trans-1,3-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Ethylene Dibromide (EDB)	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275

Blue Ridge Labs
PO Box 2940 • Pine Mountain Road
Lenoir, North Carolina 28645
Telephone (828) 728-0149

Client : Blue Ridge Engineering
529 N. Main St.
North Wilkesboro, NC 28659

Attention: Mr. Ron Haynes

Date Received: 17-Sep-07
Report Date: 04-Oct-07
Sample Date: 16-Sep-07
BRL #: BRL-2007-0852
Lab Sample ID: LSID-2007-05348
Client Sample ID: TMW-2

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Methylene Chloride	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Tetrachloroethane, 1,1,2,2-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Tetrachloroethene	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Trichloroethane, 1,1,1-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Trichloroethane, 1,1,2-	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Trichloroethene	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Trichlorofluoromethane	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW
Vinyl Chloride	*	0.5	ug/l	EPA-601 Exp.	23:02	9/27/2007	JAW

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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Client : Blue Ridge Engineering
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North Wilkesboro, NC 28659

Attention: Mr. Ron Haynes

Date Received: 17-Sep-07
Report Date: 04-Oct-07
Sample Date: 16-Sep-07
BRL #: BRL-2007-0852
Lab Sample ID: LSID-2007-05349
Client Sample ID: TMW-2

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
Benzene	93***	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Chlorobenzene	*	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Dichlorobenzene, 1,2-	*	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Dichlorobenzene, 1,3-	*	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Dichlorobenzene, 1,4-	*	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Ethyl Benzene	111***	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
IPE	9.5	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
MTBE	*	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Naphthalene	37.9	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Toluene	130***	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Xylene, o-	111***	0.5	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW
Xylenes, m & p-	167***	1	ug/l	EPA-602 Exp	23:02	9/27/2007	JAW

Reported By: _____
K.S. Matheson, S. J. Johnson, D.R. Wessinger

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Client : Blue Ridge Engineering
529 N. Main St.
North Wilkesboro, NC 28659

Attention: Mr. Ron Haynes

Date Received: 17-Sep-07

Report Date: 04-Oct-07

Sample Date: 16-Sep-07

BRL #: BRL-2007-0852

Lab Sample ID: LSID-2007-05350

Client Sample ID: TMW-2

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	1360	20	ug/l	MADEP-VPH		9/28/2007	Meritec
VPH C9-C10 Aromatics	2820	10	ug/l	MADEP-VPH		9/28/2007	Meritec
VPH C9-C12 Aliphatics	6340	10	ug/l	MADEP-VPH		9/28/2007	Meritec

Reported By:

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Client : Blue Ridge Engineering
529 N. Main St.
North Wilkesboro, NC 28659

Attention: Mr. Ron Haynes

Date Received: 17-Sep-07

Report Date: 04-Oct-07

Sample Date:

BRL #: BRL-2007-0852

Lab Sample ID: LSID-2007-05351

Client Sample ID: Trip Blank

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
VPH C5-C8 Aliphatics	*	20	ug/l	MADEP-VPH		9/28/2007	Meritec
VPH C9-C10 Aromatics	*	10	ug/l	MADEP-VPH		9/28/2007	Meritec
VPH C9-C12 Aliphatics	*	10	ug/l	MADEP-VPH		9/28/2007	Meritec

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275

Meritech Inc.

Environmental Laboratories

A Division of Water Technology and Controls

Client Name	Blue Ridge Labs, Inc.	Laboratory Name	MERITECH, INC.
Project Name	Same	NC Certification # (Lab)	#165
Site Location	Same	Sample Matrix	Water

VPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: 2,5-Dibromtoluene
Aromatic: 2,5-Dibromtoluene

Sample Identification					Trip Blank	5350
Lab Identification					Trip Blank	09280753
Collection Option (for soil)*					N/A	N/A
Date Collected					09/16/07	09/16/07
Date Received					09/28/07	09/28/07
Date Extracted					N/A	N/A
Date Analyzed					09/28/07	09/28/07
% Dry Solids					N/A	N/A
Dilution Factor					N/A	25
Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank		
C5 - C8 Aliphatics*	ug/L	4.58	20.0	< 20.0	< 20.0	1,360
C9 - C12 Aliphatics*	ug/L	2.84	10.0	< 10.0	< 10.0	6,340
C9- C10 Aromatics*	ug/L	1.24	10.0	< 10.0	< 10.0	2,820
Sample Surrogate Acceptance Range				70 - 130%	70 - 130%	70 - 130%
Aromatic Surrogate % Recovery - PID				101%	92%	113%
Aliphatic Surrogate % Recovery - FID				92%	87%	106%

* Option 1 = Establish fill line on vial Option 2 = Sampling Device (indicate brand, e.g.EnCore TM)
Option 3 = Field weigh of soil

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?
YES (NO)

Were any significant modifications to the VPH method made?
(NO) YES - Details Attached

Reviewed By _____