

**REMEDIATION UPDATE REPORT
FOR
SEPTEMBER 1, 2003 TO FEBRUARY 29, 2004**

**FLINT HILLS RESOURCES, LP
NORTH TERMINAL
3325 RIVER ROAD
WILMINGTON, NORTH CAROLINA**

JUNE 23, 2004

PREPARED FOR:

**REISS REMEDIATION, INC.
4111 EAST 37TH STREET NORTH
WICHITA, KANSAS 67220**

CATLIN PROJECT NO. 201-125



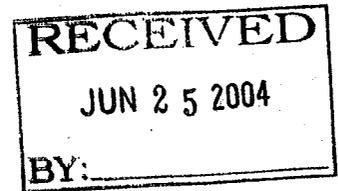
PREPARED BY:

**CATLIN ENGINEERS AND SCIENTISTS
P.O. BOX 10279
WILMINGTON, NORTH CAROLINA 28404-0279
(910) 452-5861**



Post Office Box 10279
Wilmington, NC 28404-0279
Telephone: (910) 452-5861
Fax: (910) 452-7563

June 23, 2004



North Carolina Department of Environment
and Natural Resources
Division of Water Quality
Attn: Dr. Charles L. Stehman, P.G.
127 Cardinal Drive Extension
Wilmington, North Carolina 28405-3845

Re: Remediation Update Report for September 2003 to February 2004
Flint Hills Resources, LP - North Terminal
Wilmington, North Carolina
CATLIN Project No. 201-125

Dear Dr. Stehman:

On behalf of Reiss Remediation, Inc. for the Flint Hills Resources, LP, attached is the Remediation Update Report concerning the above-referenced site.

Upon your review of this report, please contact Ms. Elizabeth Rasor if you should have any questions concerning this project.

Sincerely,

Jeffery K. Becken, P.E.
Project Manager

Stephan A. Tyler
Project Geologist

Enclosure

cc: Ms. Elizabeth Rasor, Reiss Remediation Co. (w/ encl.)
Mr. Dan Smading, Flint Hills Resources, LP (w/ encl.)
Flint Hills Resources, LP - North Terminal Facility (w/ encl.)
Mr. H. Layton Bedsole, Jr. - North Carolina State Ports Authority (w/ encl.)
Mr. William Frederick - Groundwater & Environmental Service of North Carolina, Inc.

TABLE OF CONTENTS

	<u>PAGE</u>
1.0 INTRODUCTION	1
1.1 PURPOSE	1
1.2 SITE INFORMATION	1
2.0 BACKGROUND INFORMATION	2
2.1 PARAXYLENE FACILITY	2
2.1.1 Brief Incident History	2
2.1.2 Contaminants of Concern	2
2.2 LOADING RACK AREA	3
2.2.1 Brief Incident History	3
2.2.2 Contaminants of Concern	3
3.0 ADDITIONAL ASSESSMENT ACTIVITIES	3
3.1 PARAXYLENE FACILITY	3
3.2 LOADING RACK AREA	3
4.0 SITE REMEDIATION ACTIVITIES	4
4.1 PARAXYLENE FACILITY	4
4.1.1 Soil	4
4.1.2 Surficial Groundwater	4
4.1.3 Free-Phase PX	7
4.2 LOADING RACK AREA	7
4.2.1 Soil	7
4.2.2 Surficial Groundwater	8
4.2.3 Free-Phase Product	8
5.0 MONITORING PLAN	8
5.1 PARAXYLENE FACILITY	9
5.2 LOADING RACK AREA	9
6.0 SITE REMEDIATION PROGRESS	10
6.1 PARAXYLENE FACILITY	10
6.1.1 Soil	10
6.1.2 Surficial Groundwater	10
6.1.3 Free-Phase PX Data	13
6.2 LOADING RACK AREA	13
6.2.2 Soil	13
6.2.3 Surficial Groundwater	14
6.2.4 Free-Phase Product Data	15
7.0 FUTURE ACTIVITIES	15

TABLES

TABLE 1	SUMMARY OF GROUNDWATER ELEVATIONS AT SELECTED MONITORING WELLS – FEBRUARY 19, 2004 (PARAXYLENE FACILITY)
TABLE 2	SUMMARY OF DISSOLVED OXYGEN MEASUREMENTS FROM SELECTED MONITORING WELLS – FEBRUARY 2003 TO AUGUST 2003 (PARAXYLENE FACILITY)
TABLE 3	SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS – GROUNDWATER (PARAXYLENE FACILITY)
TABLE 4	SUMMARY OF GROUNDWATER ELEVATIONS AT SELECTED MONITORING WELLS – FEBRUARY 19, 2004 (LOADING RACK AREA)
TABLE 5	SUMMARY OF GROUNDWATER DISSOLVED VOLATILES DATA – EPA METHOD 8260B (LOADING RACK AREA)
TABLE 6	SURFICIAL GROUNDWATER RECOVERY DATA FOR PERIOD AUGUST 29, 2003 TO MARCH 5, 2004 (PARAXYLENE FACILITY)
TABLE 7	HISTORICAL MTBE DATA – SURFICIAL GROUNDWATER (PARAXYLENE FACILITY)
TABLE 8	OVA READINGS FOR SOIL BORINGS
TABLE 9	SOIL ANALYTICAL RESULTS FOR SOIL BORINGS AT FHR NORTH – LOADING RACK AREA

FIGURES

FIGURE 1	GENERAL LOCATION USGS TOPOGRAPHIC QUADRANGLE
FIGURE 2	SITE MAP
FIGURE 3	CURRENT LAYOUT OF SITE AT PARAXYLENE FACILITY AS OF FEBRUARY 2004
FIGURE 4	CURRENT LAYOUT OF SITE AT LOADING RACK AREA AS OF FEBRUARY 2004
FIGURE 5	SURFICIAL GROUNDWATER CONTOURS AT PARAXYLENE FACILITY AS OF FEBRUARY 2004
FIGURE 6	SURFICIAL GROUNDWATER CONTOURS AT LOADING RACK AREA AS OF FEBRUARY 2004
FIGURE 7	DISSOLVED OXYGEN LEVELS OF SELECTED MONITORING WELLS AS OF AUGUST 1, 2003
FIGURE 8	SURFICIAL GROUNDWATER M/P XYLENE CONTOURS AT PARAXYLENE FACILITY AS OF FEBRUARY 2004
FIGURE 9	SURFICIAL GROUNDWATER BTE AND MTBE DATA AT LOADING RACK AREA AS OF FEBRUARY 2004
FIGURE 10	SURFICIAL GROUNDWATER NAPHTHALENE DATA AT LOADING RACK AREA AS OF FEBRUARY 2004
FIGURE 11	SURFICIAL GROUNDWATER M/P XYLENES DATA AT LOADING RACK AREA AS OF FEBRUARY 2004
FIGURE 12	ORGANIC VAPOR ANALYZER SOIL RESULTS FOR LOADING RACK AREA ON JANUARY 12, 2004

**FIGURE 13 TOTAL PETROLEUM HYDROCARBON SOIL RESULTS FOR
LOADING RACK AREA ON JANUARY 12, 2004**

APPENDICES

- APPENDIX A LABORATORY REPORTS AND CHAIN-OF-CUSTODY
RECORDS**
- APPENDIX B WELL CONSTRUCTION RECORDS FOR NEW MONITORING
WELLS**
- APPENDIX C BORING LOG FOR NEW MONITORING WELLS**

**REMEDIATION UPDATE REPORT
FOR
SEPTEMBER 1, 2003 to FEBRUARY 29, 2004**

**FLINT HILLS RESOURCES, LP
NORTH TERMINAL
3325 RIVER ROAD
WILMINGTON, NORTH CAROLINA**

JUNE 23, 2004

1.0 INTRODUCTION

1.1 PURPOSE

CATLIN Engineers and Scientists (CATLIN) is submitting this Remediation Update Report on behalf of Reiss Remediation, Inc. (Reiss) for the Flint Hills Resources, L.P. (FHR) North Terminal at 3325 River Road, Wilmington, North Carolina (see Figure 1).

The purpose of this report is to update the status of the subsurface soil and surficial groundwater remediation activities and to present current (September 1, 2003 to February 29, 2004) environmental findings, at two areas of concern within the FHR-North Terminal. CATLIN prepared a Corrective Action Plan Addendum (CAPA) dated August 9, 2002 that evaluated the subsurface soil and groundwater remediation associated with this Remediation Update Report. North Carolina Department of Environment and Natural Resources (NCDENR), Groundwater Section (GWS) personnel reviewed the CAPA and submitted a Statement of General Agreement in October 2002. Subsequent to the CAPA submittal, Reiss and CATLIN personnel met with NCDENR on January 20, 2004 to discuss the Revised Remedial Actions for the FHR North site. Therefore, a portion of the implementation of the CAPA has not been completed as of the time period referenced within this report. However, CATLIN submitted a letter dated March 5, 2004 that presented Revised Remedial Actions for the FHR North site. NCDENR GWS personnel reviewed the Revised Remedial Action and transmitted a letter stating: "The proposed revisions are both prudent and appropriate and are an acceptable modification of the overall site remedial strategy."

1.2 SITE INFORMATION

The FHR North Terminal is a bulk chemical and fuel storage and transfer facility, which occupies an area of approximately 37 acres. Thirty-three (33) of the 37 acres are located on the east side of River Road, and the remaining four acres are located west of River Road. The North Terminal is subdivided into two facilities as illustrated on Figure 2. These facilities are identified as the PX Facility and the Gasoline/#2 Fuel Oil Facility. The following is a brief description of each facility:

Paraxylene Facility - The Paraxylene facility has seven aboveground storage tanks (ASTs) and associated pipelines for the storage and transfer of Paraxylene (PX). In addition, there is a PX truck loading rack and a railcar loading rack area. This facility is still active.

Gasoline/Fuel Oil Facility – This facility has seven ASTs and associated pipelines, which had been utilized for the storage and transfer of gasoline and fuel oil. Gasoline additives were stored in five additional ASTs. This facility also has a truck and railcar loading rack area. The areas of concern within the Gasoline/Fuel Oil Facility addressed in this report are referred to as the Loading Rack Area. Since April of 2001, the gasoline and fuel oil ASTs, associated pipelines, and the truck and railcar loading rack areas have been inactive and no longer contain product.

2.0 BACKGROUND INFORMATION

2.1 PARAXYLENE FACILITY

2.1.1 Brief Incident History

Since Phillips Petroleum constructed the facility in 1954/1955, it has been utilized to handle various gasolines, additives, #2 fuel oils and PX. Since 1954/1955, there have been several product releases at the subject site. Former and ongoing assessment, remediation and monitoring activities for product releases since 1980 have been well documented and are on file at the North Carolina Department of Environment and Natural Resources Wilmington Regional Office (NCDENR WiRO) Groundwater Section (GWS). This report focuses on the current PX remediation efforts through February 29, 2004.

2.1.2 Contaminants of Concern

The primary contaminant of concern (as agreed upon by NCDENR) at the PX Facility is dissolved PX, one of three xylenes isomers (ortho, meta, and para). Currently, analytical laboratories do not have the technology to accurately distinguish between metaxylene and Paraxylene compounds. Since the source is known to be PX, all soil and groundwater samples are analyzed for meta/para (M/P) xylenes and the resulting concentration is assumed to be PX.

As detailed in the CAPA, the goal for surficial groundwater remediation is to reduce dissolved M/P xylene concentrations to the 15A NCAC 2L.0202 North Carolina Groundwater Quality Standard (2L GWQS) of 530 micrograms per Liter ($\mu\text{g/L}$) or for PX remediation data (graphical representation) to reach an asymptotic trend. PX Facility groundwater samples are analyzed, by an independent analytical laboratory, for M/P xylenes concentration in $\mu\text{g/L}$ per EPA Method 602 to evaluate the dissolved concentrations.

2.2 LOADING RACK AREA

2.2.1 Brief Incident History

A specific event that may have caused the groundwater contamination is not known for the Loading Rack Area. However, since the surficial groundwater has been impacted with dissolved gasoline, fuel oil and paraxylene constituents, it has been assumed that historical operation of the former truck and railcar loading rack areas has resulted in several minor releases. Therefore, this report focuses on the activities associated with the remediation of the contaminated subsurface soils and surficial groundwater from the historical operation of the truck loading rack and railcar loading rack areas within the Loading Rack Area.

2.2.2 Contaminants of Concern

As documented in the CAPA, the initial investigation of the Loading Rack Area revealed the following gasoline, fuel oil and paraxylene compounds: Benzene, sec-Butylbenzene, Ethylbenzene, Isopropylbenzene, Naphthalene, MTBE, n-Propylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Total Xylene concentrations in excess of the current and interim 2L GWQS. As detailed in the CAPA, the goal for surficial groundwater remediation is to reduce the above listed dissolved compounds to within current and interim 2L GWQS. Loading Rack Area groundwater samples are analyzed for volatile compounds in µg/L per EPA Method 8260B to evaluate the dissolved compound concentrations.

3.0 ADDITIONAL ASSESSMENT ACTIVITIES

3.1 PARAXYLENE FACILITY

During this reporting period no additional assessment activities were conducted at the PX Facility.

3.2 LOADING RACK AREA

Dr. Charles Stehman of the NCDENR WiRo GWS requested that FHR define the extent of the impacted surficial groundwater on the down gradient APEX property located to the west of the Loading Rack Area. During this past period the property owner granted approval for access and six shallow groundwater monitoring wells were installed within the APEX property in December 2003. These monitoring wells were installed in general accordance with NCAC T15A:02C "Well Construction Standards" (December 1992). A copy of the North Carolina well construction records are provided in Appendix B. Each well was installed as a Type II monitoring well that intersected the shallow groundwater table. Well construction as-builts with soil descriptions are provided on the attached boring logs in Appendix C. Locations

of these monitoring wells, identified as AMW-1 through AMW-6 are illustrated on Figure 4. AMW-1 through AMW-6 groundwater analytical data has been included in Section 6.2 of this report.

The January 20, 2004 meeting with NCDENR personnel, included discussions that the truck loading rack structure, including both above and belowground equipment, at the Loading Rack Area has been removed. Therefore, the opportunity to excavate the contaminated soil within the truck loading rack is now available. Soil samples from the Loading Rack Area have been collected and analyzed to confirm that hazardous constituents are not present. The soil samples were collected on January 12, 2004 by use of a hand auger device. Samples were collected on a one-foot interval until saturated soil conditions were observed. Each sample was field screened by use of an Organic Vapor Analyzer (OVA) to assist with selection of representative samples for laboratory analysis. Locations and OVA results of the borings, identified as B1 to B14, are illustrated on Figure 12. The OVA results are also presented in the attached Table 8. The analytical results of selected borings are discussed within Section 6.2 of this report.

4.0 SITE REMEDIATION ACTIVITIES

4.1 PARAXYLENE FACILITY

A summary of the PX Facility remediation activities are summarized as follows:

4.1.1 Soil

As part of the initial remedial activities, a horseshoe oriented SVE galley was installed four feet below grade along the north, west, and south edge of the AST 301 foundation (see Figure 3). A 2-HP soil vent unit was installed on March 21, 1995 and was operated continuously until January 2003. After an equipment failure a decision was made to discontinue operation of the soil vent unit because of the minimal M/P xylene concentrations of the August 2002 SVE exhaust air data (See Section 6.1.1 of this report) and the planned remediation activities.

4.1.2 Surficial Groundwater

4.1.2.1 Air Sparge System

Air sparging is an in situ remediation method involving aeration of the impacted groundwater with ambient air. In this application, pressurized ambient air (\pm 27 pounds per square inch) is sparged into the impacted surficial aquifer through a series of vertical injection wells. As ambient air migrates upward through the groundwater, dissolved volatile hydrocarbon compounds partition (volatilize) into the vapor phase. In addition, the air sparging increases the dissolved oxygen (DO) concentrations in the groundwater, which enhances biological degradation of petroleum hydrocarbons by indigenous

microorganisms in the soil and groundwater. A discussion of the current DO data is presented in Section 6.1.2 of this report. Due to the relative proximity of the groundwater table to the ground surface and the lack of potential receptors being adversely affected by vapors, vapors are allowed to naturally vent to the atmosphere.

The air sparge system for this site is a vertical well network of deep (\pm 38 feet deep) and shallow (\pm 18 to 23 feet deep) air sparge wells. Currently, three air sparge systems are operational at this facility. Two operate as continuous systems (Networks A and B) and the third operates as a pulse system (Network C).

- Network A – along the northwest property boundary between monitoring wells 119 and MW-20.
- Network B – in the vicinity of the area between monitoring wells 106 and 113.

Networks A and B began operation on February 6, 1998. Four additional shallow air sparge wells were added to Network A and have been fully operational since July 2003.

Network C (See Figure 3) is operating within the dissolved PX plume along the north property boundary in the vicinity of the area near monitoring wells MW-32 and MW-33. Network C began operation in January 2003 as a Pulse Air Sparge (PAS) system. PAS system consists of injecting a pulse of ambient air, below the contaminated zone of the impacted aquifer, through a vertical air sparge well. As air is injected into the aquifer, a de-watered sphere grows around the sparge point. This spherical volume of air continues to grow displacing groundwater until the top of the sphere is about to break through the surface of the groundwater table. Prior to “breakthrough”, the air injection is terminated and the surrounding aquifer is allowed to recharge the sparged zone before the next “pulse”.

The influence of the air sparge system is predominantly determined by obtaining groundwater DO readings at monitoring wells up gradient and down gradient of the networks. A discussion of the current DO data is presented in Section 6.1.2 of this report.

A discussion of the current surficial groundwater PX concentration data in the vicinity of the air sparge systems is presented in Section 6.1.2 of this report.

4.1.2.2 Groundwater Recovery Operations

The FHR North Terminal has a Facility Wastewater Treatment Plant

(FWTP), NPDES Permit No. NC0076732, for treatment of site surficial groundwater, well purge water, AST water bottoms and collected stormwater runoff. FHR site personnel conduct the FWTP operation, maintenance and reporting activities. Currently, impacted surficial groundwater from four recovery well locations (KRW-3, KRW-4, KRW-5 and KRW-6) is pumped into the FWTP. Refer to Figure 3 for recovery well locations. Effluent from KRW-4, and KRW-5 is pumped through a 500-gallon oil/water separator prior to draining into lift station SD-1. Area stormwater runoff, as well as the recovery well effluent, is pumped from lift station SD-1 to the FWTP. Effluent from recovery wells KRW-3 and KRW-6 are pumped directly to the FWTP. A discussion of the volumes of groundwater pumped from the recovery wells to the FWTP is included in Section 6.1.2 of this report.

Recovery well RW-2 has not been active since October 2000 due to low water table within the vicinity of the recovery well.

4.1.2.3 Proposed Groundwater Remediation System Expansion

As previously stated, CATLIN and Reiss met on January 20, 2004, with NCDENR representatives to discuss Revised Remedial Actions for the FHR North Terminal. The Revised Remedial Actions were then submitted to NCDENR in a letter dated March 5, 2004 by CATLIN. In addition to maintaining current active site remediation activities the following additional groundwater remedial activities will be implemented in the future:

- Connect the new recovery wells KRW-7 and KRW-8 to the FWTP. Total flow rate to the FWTP from all of the recovery wells will be maintained at a rate less than 55 gallons per minute (gpm) to ensure the 70-gpm NPDES and Air Quality permit requirements are not exceeded.
- Apply a chemical oxidant (likely a hydrogen peroxide based process) initially into horizontal trenches using a batch process. The batch process would consist of applying the chemical oxidant; monitor the area and then return for additional applications, if needed. The intent would be to start in the hot spot areas outside the immediate influence of the recovery wells and then work towards the recovery wells. A field pilot test will initially be completed to assist with defining the quantity and concentration of hydrogen peroxide to be applied.
- The air sparge system will remain in operation to maintain containment at the property line, however, the sparge points may be considered in the future for injection of the chemical oxidant. At this time, Reiss and CATLIN personnel intend to

evaluate the effectiveness of the application of the chemical oxidant technique within the trenches prior to pursuing approval for conversion of the sparge points to injection wells. If it is determined that injection at the sparge points would be beneficial then an Application for Permit to Construct and/or Use Wells for Injection will be prepared.

4.1.3 Free-Phase PX

Shortly after installation of recovery well KRW-5 in November 1997, free-phase PX began to accumulate in the recovery well. At that time, a number of piezometers were installed in the vicinity of KRW-5 to delineate the PX plume. Free-phase PX accumulated in KRW-5 and the surrounding piezometers. In an attempt to determine the source, FHR personnel initiated precautionary system checks of the active PX pipelines and ASTs. All active aboveground pipelines, associated valves, pumps, etc. were inspected and hydrostatic tested. Also, all site AST PX inventory checks indicated no loss of product. During this time period, an abnormality was detected which consisted of a low surficial groundwater table level. In completing the August 7, 2000 site Comprehensive Site Assessment (CSA), it became evident that several subsurface PX smear zones remain from previous significant PX releases. The accumulation of free-phase PX appears to coincide with periods when low surficial groundwater table levels allow the liberation of free-phase product trapped in the remnant smear zone.

Free-phase PX that has been observed in wells is manually recovered with either a sorbent or a bailer. All recovered free-phase PX is temporarily stored in a satellite drum (55 gallon) in the vicinity of the area near recovery well KRW-5. This satellite drum is labeled as "Recovered Paraxylene – Off Spec. Fuel". Once the level within the satellite drum has reached the safe fill level (approximately 50 gallons), FHR personnel responsible for the disposal are notified. FHR personnel date and then transport the satellite drum to the on-site hazardous storage area in the vicinity of the area near the Loading Rack Area fuel vapor recovery system (decommissioned). FHR personnel coordinate off-site transport and proper disposal of the satellite drum. Free-phase PX recovered during this monitoring period is further discussed within Section 6.1.3 of this report.

4.2 LOADING RACK AREA

A summary of the on-site soil, groundwater and free-phase product remediation activities are summarized below.

4.2.1 Soil

As previously stated, CATLIN and Reiss met on January 20, 2004 with NCDENR representatives to discuss the Revised Remedial Actions for the

FHR North Terminal. The Revised Remedial Actions were then submitted to NCDENR in a letter dated March 5, 2004 by CATLIN. The following soil remedial activities will be implemented in the future at the Loading Rack Area:

- The truck loading rack at the Loading Rack Area has been removed. Therefore, the opportunity to excavate and ex-situ treat the contaminated soil within the truck loading rack is now available. Soil samples from the Loading Rack area have been analyzed to confirm that hazardous constituents are not present as discussed in Section 6.2.1 of this report. The intent of this portion of the project is to excavate and treat the contaminated soils and then backfill the excavation with the treated soils.
- Prior to backfill of excavated soils, a chemical oxidant (likely a hydrogen peroxide based process) will be spread/incorporated into the soil located at the bottom of the excavation area. The specifics of the percentage of chemical oxidant applied will be dependent upon the findings of the pilot test to be conducted at the Paraxylene Facility.

4.2.2 Surficial Groundwater

The remediation of the surficial groundwater in the Loading Rack Area was proposed in the CAPA to be completed by use of a combination of remediation systems. However, as part of the Revised Remedial Actions, surficial groundwater remediation is temporarily on-hold until the effectiveness of ex-situ treatment, along with the incorporation of the chemical oxidant on the down-gradient groundwater contamination, is evaluated.

4.2.3 Free-Phase Product

As was reported in the CAPA, free-phase product was initially detected in monitoring wells KWM-8, KMW-9, KMW-12 and KMW-13. Free-phase product that accumulates in these monitoring wells has been manually recovered, stored, and disposed of in the same manner discussed in Section 4.1.3.

A discussion of the free product recovered during this monitoring period is provided within Section 6.2.3 of this report.

5.0 MONITORING PLAN

The following Sections discuss the monitoring plan that was generally followed during the time period of September 2003 to February 2004.

5.1 *PARAXYLENE FACILITY*

Weekly

- Check and maintain operation of all recovery wells.
- Check and maintain operation of the air compressor.
- Gauge all recovery wells and selected monitoring wells for depth to surficial groundwater table and possible free-phase product.
- Manually recover free-phase product, if present.

Monthly

The following monthly activities are completed in addition to the tasks performed on a weekly basis:

- Check and maintain operation of all recovery wells.
- Check and maintain operation of the air sparge wells.
- Gauge all recovery wells and selected monitoring wells for depth to surficial groundwater table and possible free-phase product.

Semi-Annual (February and August)

The following semi-annual activities are completed in addition to the tasks performed on a monthly basis:

- Obtain representative groundwater samples from selected site monitoring wells for M/P-Xylenes and MTBE analysis per EPA Method 602. Monitoring wells are selected to provide data concerning PX plume boundary and historical concentration high conditions.
- In order to monitor the effectiveness of the air sparge system, dissolved oxygen concentrations are obtained from surficial groundwater of selected monitoring wells.
- Submit a semi-annual Site Remediation Update Report.

5.2 *LOADING RACK AREA*

Monthly

- Gauging of selected monitoring wells for depth to surficial groundwater table and the potential presence of free-phase product.
- Manually recover free-phase product, if present.

Semi-Annual (February and August)

The following activities are completed in addition to the tasks performed on a monthly basis:

- Obtain representative groundwater samples from selected site monitoring wells for VOC analysis per EPA Method 8260B.
- Submit a semi-annual Site Remediation Update Report.

6.0 SITE REMEDIATION PROGRESS

6.1 PARAXYLENE FACILITY

6.1.1 Soil

As previously discussed in Section 4.1.1, a 2-HP SVE system to remove remnant PX from subsurface soils west of AST 301 was operated from March 21, 1995 through January 2003. PX vapor emitted from the SVE system was a combination of PX from remnant soil and groundwater contamination. The site Remediation Report for the period of April 2002 to February 2003 indicated the approximate calculated volume of PX extracted between March 21, 2002 and August 5, 2002 to be 2,271.8 gallons.

6.1.2 Surficial Groundwater

6.1.2.1 Dissolved Oxygen Data

As previously stated, the goal of an air sparge system is to volatilize organic constituents and to maintain aerobic conditions to facilitate biodegradation of the compounds. Aerobic conditions can be assessed by monitoring the dissolved oxygen levels in surrounding monitoring wells. Aerobic conditions are generally those with dissolved oxygen levels greater than one (1) mg/L.

This data was obtained through the use of an YSI Model 51B water quality meter. The latest (August 1, 2003) DO concentration data has been summarized in Table 2 and illustrated on Figure 7. This data was obtained through the use of an YSI Model 51B water quality meter. The DO concentrations at selected monitoring wells (108, 113, 117, 119, MW-12, MW-15 and MW-16) located beyond the anticipated influence of the air sparge networks ranged from 0.4 to 1.0 mg/L. Dissolved oxygen concentrations of monitoring wells located within the anticipated influence of the air sparge networks have been summarized as follows:

Network	Monitoring Wells	DO Range
A	MW-17, MW-18 MW-19	2.6 to 7.4
B	121, MW-14	1.6 to 2.0
C	MW-32, MW-33	2.0 to 5.4

While the air sparge Network B injection rates have been relatively the same as those of Networks A and C, the increase in surficial groundwater DO has not been as significant in the wells around Network B as it has in the wells around Networks A and C. DO will continue to be monitored as necessary in all areas on a semi-annual basis.

6.1.2.2 Surficial Groundwater Table Data

On February 19, 2004, selected monitoring wells were gauged for depth to water and potential free-phase product. Table 1 lists the water table data and interpolated water table isocontour elevations have been illustrated on Figure 5. The overall surficial groundwater migration trend appears to remain toward the northwest. Note the depressions in the surficial groundwater table within the vicinity of the PX facility; the pumping influences at the active recovery wells KRW-3, KRW-4, KRW-5 and KRW-6 are evident in the contour patterns.

6.1.2.3 Surficial Groundwater Recovery Data

During the weekly site visits, CATLIN personnel record depth to water table data, potential free-phase product measurements and flow meter readings at each active recovery well (KRW-3, KRW-4, KRW-5 and KRW-6). In addition, during the semi-annual site sampling events effluent samples are obtained from each active recovery well for dissolved M/P xylenes analysis per EPA Method 602. On February 19, 2004, CATLIN personnel obtained the latest effluent samples from active recovery wells KRW-3, KRW-4, KRW-5 and KRW-6. Copies of the laboratory test results are provided in the attached Appendix A.

The following calculation is utilized to determine the approximate volume (gallons) of PX recovered from each recovery well between sampling events:

$$PXV = V \times \frac{3.7854 \text{ L}}{\text{gal.}} \times \frac{1 \text{ g}}{1,000 \text{ mg}} \times \frac{1 \text{ lb.}}{453.59 \text{ g}} \times \frac{\text{gal.}}{8.34 \text{ lb. SG}} \times 1 \times \text{PX conc.}$$

PX concentration:

PXV = Volume of PX (gallons)
V = Total Removed Volume from Recovery Well
Flow Meter (gallons)
PX conc. = Average of PX concentration during the selected
time period (milligrams per Liter)
SG = Specific Gravity of PX = 0.861

Recovery well pumping records and analytical data has been utilized to estimate the amount of dissolved PX recovered since March 19, 1995 to the current period, March 5, 2004. The remediation progress at each site recovery well has been summarized in Table 6.

6.1.2.4 Dissolved PX Concentration Data

CATLIN personnel obtained the latest representative groundwater samples from selected monitoring wells on February 20, 2004. Prior to obtaining a groundwater sample each monitoring well is first developed (a minimum of three volumes) utilizing either a disposable bailer or a Geopump (peristaltic). All groundwater samples from the February 20, 2004 sample event were submitted to Severn Trent Laboratory (STL) in Savannah, Georgia for analysis of dissolved M/P-xylene concentrations per EPA Method 602.

A copy of the laboratory report has been provided in Appendix A. Results of the latest, as well as historical, M/P-xylene concentration data have been summarized on Table 3. The interpolated current horizontal extent of dissolved M/P-xylenes within the site surficial groundwater has been illustrated on Figure 8. Please note that Figure 8 includes data interpreted by CATLIN for the State Ports Authority (SPA) Property from the CATLIN March 2003 temporary well data to illustrate the interpolated surficial groundwater M/P xylene concentrations north of tank 801.

As illustrated on Figure 8, the current laboratory results indicate two predominant areas of high PX concentrations within the site surficial groundwater. One area is the area in the general vicinity between recovery well KRW-5 and tank 301, and the other is the general vicinity west of tank 801.

A review of PX concentration data in Table 3 and PX concentration contours in Figure 8 indicate a progressive decline in the surficial groundwater PX concentrations at the monitoring wells along the boundary air sparge Network A.

PX concentrations along the air sparge Network B, between

monitoring wells 106 and 113, have varied from a general decline in monitoring well 106 (350,000 µg/L to 87,000 µg/L) while PX concentrations at monitoring well MW-14 have demonstrated limited progress fluctuating (2/29/00 to 2/24/03) from 270,000 to 110,000 µg/L, and then back up to 180,000 µg/L. Air sparge Network B injection rates have been within design recommendations. In reviewing the dissolved DO and PX concentration data, it appears that air sparge Network B has had limited influence on the target area. If the chemical oxidation pilot test is successful this area is to be included in the site-wide chemical oxidation application.

A review of the PX concentration data in Table 3 and PX concentration contours in Figure 8 indicates remediation progress along pulse sparge Network C. Dissolved PX concentrations at monitoring well MW-32 have declined from 110,000 ug/L to 5,700 ug/L. At monitoring well MW-33, PX concentrations have ranged from a high 22,000 ug/L to the latest level, 3,600 ug/L.

6.1.3 Free-Phase PX Data

As previously stated in Section 4.1.3, free-phase PX observed in wells is manually recovered. During the time period covered by this report (September 2003 to February 2004), free-phase PX has been observed in recovery wells KRW-4, KRW-5 and KRW-6 at the PX Facility. The quantity of free-phase PX manually recovered during this monitoring period has been provided in Table 6.

6.2 LOADING RACK AREA

6.2.2 Soil

As previously discussed in Section 3.2 of this report, CATLIN collected soil samples to verify that hazardous constituents per the EPA Methods discussed below are not present, in order to access soil ex-situ remedial options. Soil samples were collected from the area to be ex-situ treated for laboratory analysis of Flash Point per EPA Method 1010, Toxicity Characteristic Leaching Procedure (TCLP) Semi-Volatile Organics per EPA Method 3510/8270, TCLP Volatile Organics EPA 8260, Total Petroleum Hydrocarbons (TPH) diesel fuel per EPA Method 3545/8015 and TPH gasoline per EPA Method 8015.

The Loading Rack Area soil samples were obtained by CATLIN personnel on January 12, 2004 and submitted to Pace Analytical Services, Inc. in Huntersville, North Carolina for analysis. The laboratory analytical results indicated that none of the soil samples exhibited a hazardous waste characteristic in general accordance with the 40 CFR Part 261 Regulatory Levels. A summary of the Loading Rack Area soil analytical results have

been provided in Table 9.

6.2.3 Surficial Groundwater

6.2.2.1 Surficial Groundwater Table Data

On February 19, 2004, selected site monitoring wells were gauged for depth to water and potential free-phase product. Also, representative groundwater samples from selected monitoring wells. Table 4 lists the water table data and interpolated water table isocontour elevations have been illustrated on Figure 6. The relatively steep surficial groundwater table gradient across River Road observed during the February 19, 2004 site visit has been prevalent since the site monitoring wells were initially installed for the CAPA.

6.2.2.2 Dissolved Oxygen Data

Due to the previously mentioned status of the remediation activities at the Loading Rack Area, dissolved oxygen concentrations were not collected during this time period.

6.2.2.3 Dissolved Volatile Concentration Data

As previously stated, CATLIN personnel obtained representative groundwater samples from selected monitoring wells on February 19, 2004. The selected wells were first developed (a minimum of three volumes) utilizing either a disposable bailer or a Geopump (peristaltic). All site groundwater samples were submitted to STL in Savannah, Georgia for analysis of dissolved volatile compounds per EPA Method 8260B.

A copy of the laboratory report has been provided in Appendix A. Table 5 provides a summary of the historical volatile compounds above the 2L GWQS. Figures 9, 10, and 11 illustrate selected volatile concentrations of monitoring wells within the Loading Rack Area. In reviewing Table 5, the comparison of the last two sample events illustrates dissolved volatile concentrations within the site surficial groundwater have remained generally the same with isolated increases and decreases. Please note that monitoring wells on the APEX property (Figures 9, 10 and 11) appear to have delineated the extents of volatile compound above the 2L GWQS with the exception of benzene. The source of the benzene contamination at AMW-6 has not been determined at this time. The APEX monitoring wells will continue to be monitored in the future for benzene concentration trends.

6.2.4 Free-Phase Product Data

During this monitoring period of September 2003 to February 2004, low levels of free-phase product were detected at monitoring wells KMW-8 and KMW-13 in November 2003. Free-phase product observed in monitoring wells KMW-8 and KMW-13, approximately 1/2 to 1 gallon of free-phase product, was manually recovered with a sorbent and stored in a satellite drum (55 gallon) in the vicinity of recovery well KRW-5.

7.0 FUTURE ACTIVITIES

Monitoring and operation of the existing remediation systems, as described above will continue. Initiation of an on-site chemical oxidation pilot test will be implemented in the upcoming monitoring period.

The following monitoring wells are proposed to be sampled during the next sampling event in August 2004:

PX Facility

MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-20, MW-28, MW-32, MW-33, 101, 102, 105, 106, 107, 108, 113, 117, 119, KRW-3, KRW-4, KRW-5, KRW-6, KRW-7 and KRW-8.

The following wells will also be sampled for DO:

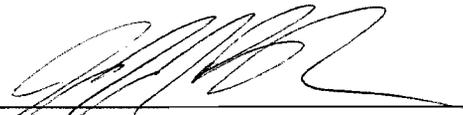
MW-12, MW-14, MW-16, MW-17, MW-18, MW-19, MW-20, MW-32, MW-33, 106, 107, 108, 113, 120, and 121.

Loading Rack Area

KMW-1, KMW-3, KMW-4, KMW-5, KMW-6, KMW-7, KMW-8, KMW-9, KMW-10, KMW-11, KMW-12, KMW-13, KMW-14, AMW-1, AMW-2, AMW-3, AMW-4, AMW-5, and AMW-6.



Stephen A. Tyler
Project Scientist



Jeffery K. Becken, P.E.
Project Engineer

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS AT
SELECTED MONITORING WELLS - FEBRUARY 19, 2004

PARAXYLENE FACILITY
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

DATA POINT	TOP OF CASING ELEVATION (in feet)	DEPTH TO WATER (in feet)	FREE PRODUCT THICKNESS (in feet)	SPECIFIC GRAVITY ADJUSTMENT	WATER TABLE ELEVATION (IN FEET)
TYPE II MONITORING WELLS					
MW-1	39.45	7.23	NMT	--	32.22
MW-2	NA	5.17	NMT	--	NA
MW-3	37.84	7.22	NMT	--	30.62
MW-4	NA	10.53	NMT	--	NA
MW-5	39.56	6.57	NMT	--	32.99
MW-6	NA	5.58	NMT	--	NA
MW-7	38.71	6.97	NMT	--	31.74
MW-8	39.85	7.02	NMT	--	32.83
MW-9	36.88	3.24	NMT	--	33.64
MW-10	35.45	NM	NMT	--	NM
MW-11	35.14	3.95	NMT	--	31.19
MW-12	35.23	6.14	NMT	--	29.09
MW-13	33.90	7.14	NMT	--	26.76
MW-14	29.39	6.72	NMT	--	22.67
MW-15	28.82	7.76	NMT	--	21.06
MW-16	28.21	6.67	NMT	--	21.54
MW-17	25.57	4.14	NMT	--	21.43
MW-18	26.92	9.66	NMT	--	17.26
MW-19	27.59	10.02	NMT	--	17.57
MW-20	29.29	10.98	NMT	--	18.31
MW-28	36.41	4.98	NMT	--	31.43
MW-30	35.20	NM	NM	--	NM
MW-32	33.69	8.23	NMT	--	25.46
MW-33	35.16	8.40	NMT	--	26.76
101	28.88	3.23	NMT	--	25.65
102	29.88	5.07	NMT	--	24.81
104	NA	4.43	NMT	--	NM
105	NA	NM	NM	--	NM
106	30.62	7.02	NMT	--	23.60
107	31.33	7.60	NMT	--	23.73
108	31.50	9.48	NMT	--	22.02
113	33.90	9.79	NMT	--	24.11
114	NA	NM	NM	--	NM
117	31.33	10.09	NMT	--	21.24
119	26.68	4.77	NMT	--	21.91
121	29.20	6.34	NMT	--	22.86

TABLE 1

**SUMMARY OF GROUNDWATER ELEVATIONS AT
SELECTED MONITORING WELLS – FEBRUARY 19, 2004**

**PARAXYLENE FACILITY
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA**

DATA POINT	TOP OF CASING ELEVATION (in feet)	DEPTH TO WATER (in feet)	FREE PRODUCT THICKNESS (in feet)	SPECIFIC GRAVITY ADJUSTMENT	WATER TABLE ELEVATION (IN FEET)
TYPE III MONITORING WELLS					
TMW-1	30.43	11.91	NMT	--	18.52
TMW-2	35.40	NM	NM	--	NM
RECOVERY WELLS					
RW-2	36.18	NM	NM	--	NM
KRW-3	29.07	16.04	NMT	--	13.03
KRW-4	27.82	10.88	NMT	--	16.94
KRW-5	32.58	13.40	NMT	--	19.18
KRW-6	30.90	17.79	NMT	--	13.11
SUN PIEZOMETERS					
S-1	26.80	NM	NM	--	NM
S-2	27.46	NM	NM	--	NM
S-3	27.47	NM	NM	--	NM

Notes:

Specific gravity adjustment for para-xylene is 0.86.

NMT = No Measurable Thickness

NM = Not Measured

NA = Not Available

TABLE 2

**SUMMARY OF DISSOLVED OXYGEN MEASUREMENTS FROM
SELECTED MONITORING WELLS
FEBRUARY 2003 TO AUGUST 2003**

**PARAXYLENE FACILITY
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA**

WELL I.D.	DATE	DISSOLVED OXYGEN (mg/L)
108	2/24/2003	0.6
	8/1/2003	0.4
113	8/1/2003	0.8
117	2/24/2003	0.6
	8/1/2003	0.8
119	2/24/2003	0.8
	8/1/2003	0.8
121	2/24/2003	2.4
	8/1/2003	1.6
MW-12	2/24/2003	0.8
	8/1/2003	0.6
MW-14	2/24/2003	1.4
	8/1/2003	2.0
MW-15	2/24/2003	0.8
	8/1/2003	1.0
MW-16	2/24/2003	0.4
	8/1/2003	0.6
MW-17	2/24/2003	8.4
	8/1/2003	7.4

TABLE 2

**SUMMARY OF DISSOLVED OXYGEN MEASUREMENTS FROM
SELECTED MONITORING WELLS
FEBRUARY 2003 TO AUGUST 2003**

**PARAXYLENE FACILITY
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA**

WELL I.D.	DATE	DISSOLVED OXYGEN (mg/L)
MW-18	2/24/2003	2.2
	8/1/2003	2.6
MW-19	2/24/2003	2.4
	8/1/2003	6.2
MW-20	2/24/2003	2.8
	8/1/2003	NM
MW-32	2/24/2003	4.3
	8/1/2003	5.4
MW-33	2/24/2003	3.2
	8/1/2003	2.0

PPM = Parts Per Million

NM = Not Measured

TABLE 3		
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER		
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL I.D.	DATE	M/P XYLENE (µg/L)
TYPE II MONITORING WELLS		
MW-1	12/8/1995	29,000
	2/13/1996	11,000
	6/24/1996	9,400
	1/28/1997	340
	12/4/1997	4,000
	6/13/1998	360
	1/19/1999	250
	7/14/1999	26
	2/29/2000	<1.0
	6/13/2000	470
	2/21/2001	<1.0
	7/31/2001	2.3
	4/1/2002	260
	7/31/2002	4,200
	2/24/2003	<1.0
8/20/2003	<1.0	
2/20/2004	<1.0	
MW-2	2/20/2004	140,000
MW-3	12/8/1995	180,000
	6/24/1996	28,000
	1/28/1997	53,000
	12/4/1997	100,000
	6/13/1998	35,000
	1/19/1999	49,000
	7/14/1999	20,000
	2/29/2000	37,000
	6/13/2000	63,000
	2/21/2001	120,000
	7/31/2001	110,000
	4/1/2002	81,000
	7/31/2002	96,000
	2/24/2003	120,000
8/19/2003	96,000	
2/20/2004	110,000	
MW-4	12/8/1995	1,600,000
	2/13/1996	140,000
	6/24/1996	140,000
	1/28/1997	190,000
	12/4/1997	220,000
	6/13/1998	180,000
	1/19/1999	190,000
	7/14/1999	300,000
	2/29/2000	100,000
	6/13/2000	45,000
	2/20/2004	66,000

TABLE 3
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS -
GROUNDWATER

PARAXYLENE FACILITY
FLINT HILL RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

WELL I.D.	DATE	M/P XYLENE (µg/L)
MW-5	2/13/1996	9,800
	6/24/1996	2,500
	1/28/1997	1,400
	12/4/1997	790
	6/13/1998	7,800
	1/19/1999	2,400
	7/14/1999	4,900
	2/29/2000	2,100
	6/13/2000	2,800
	7/31/2001	12,000
	4/1/2002	2,000
	7/31/2002	<5.0
	2/24/2003	1,200
8/20/2003	630	
2/20/2004	1,400	
MW-7	10/15/1999	150,000
	2/29/2000	130,000
	2/21/2001	150,000
	7/31/2001	120,000
	4/2/2002	140,000
	2/24/2003	400,000
	8/20/2003	2,200,000
	2/20/2004	570000 D
MW-8	10/5/1999	4,400
	2/29/2000	12,000
	2/21/2001	5,500
	7/31/2001	8,500
	4/2/2002	17,000
	2/24/2003	15,000
	8/20/2003	16,000
2/20/2004	6,800	
MW-9	2/29/2000	<1
	2/24/2003	<1.0
	8/20/2003	<1.0
	2/20/2004	<1.0
MW-10	2/29/2000	96,000
	2/21/2001	89,000
	7/31/2001	110,000
MW-11	2/29/2000	110,000
	7/31/2001	100,000
	4/1/2002	63,000
	2/24/2003	130,000
	8/20/2003	110,000
2/20/2004	53,000	

TABLE 3		
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER		
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL I.D.	DATE	M/P XYLENE (µg/L)
MW-12	2/29/2000	56,000
	2/21/2001	170,000
	7/31/2001	140,000
	7/31/2002	140,000
	2/24/2003	86,000
	8/20/2003	17,000
	2/20/2004	92,000
MW-13	2/29/2000	85,000
	2/21/2001	43,000
	7/31/2001	41,000
	4/1/2002	76,000
	7/31/2002	30,000
	2/24/2003	99
	8/19/2003	7,900
	2/20/2004	6,000
MW-14	2/29/2000	270,000
	7/31/2001	110,000
	4/1/2002	160,000
	7/31/2002	180,000
	2/24/2003	240,000
	8/19/2003	140,000
	2/20/2004	180000 D
MW-15	2/29/2000	49,000
	6/13/2000	57,000
	2/21/2001	80,000
	7/31/2001	23,000
	7/30/2002	97,000
	2/24/2003	130,000
	8/19/2003	76,000
	2/20/2004	75000 D
MW-16	2/29/2000	79,000
	6/13/2000	62,000
	2/21/2001	47,000
	7/31/2001	21,000
	4/1/2002	8,700
	7/30/2002	4,300
	2/25/2003	17,000
	8/19/2003	30,000
	2/20/2004	27,000
MW-17	2/29/2000	24,000
	6/13/2000	2,400
	2/21/2001	3,100
	8/1/2001	290
	4/1/2002	170
	7/30/2002	2,600
	2/24/2003	<1.0
	8/19/2003	3.7
	2/20/2004	4,600

TABLE 3		
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER		
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL ID.	DATE	M/P XYLENE (µg/L)
MW-18	2/29/2000	13,000
	6/13/2000	21
	2/21/2001	29,000
	7/31/2001	6,400
	4/1/2002	510
	7/30/2002	<10
	2/25/2003	670
	8/19/2003	110
	2/20/2004	<1.0
MW-19	2/29/2000	1,400
	6/13/2000	430
	2/21/2001	1,000
	7/31/2001	260
	4/1/2002	11,000
	7/30/2002	5,700
	2/25/2003	27,000
	8/19/2003	9,700
	2/20/2004	5,800
MW-20	2/29/2000	7,900
	6/13/2000	110,000
	2/21/2001	47,000
	7/31/2001	70,000
	4/2/2002	7,900
	7/31/2002	15,000
	2/25/2003	5,000
	8/19/2003	2,600
	2/20/2004	14,000
MW-28	4/94	2,240
	2/13/1996	370
	6/24/1996	740
	1/28/1997	14
	12/4/1997	2,300
	6/13/1998	59
	7/14/1999	<1
	3/1/2000	<1
	6/13/2000	<1
	2/21/2001	4
	7/31/2001	<1.0
	2/25/2003	22
	8/20/2003	<1.0
2/20/2004	530	
MW-30	1/19/1999	<1
	7/14/1999	<1
	3/1/2000	<1
	6/13/2000	<1
	2/21/2001	<1
MW-32	4/1/2002	110,000
	7/31/2002	89,000
	2/25/2003	110,000
	8/19/2003	1,700
	2/20/2004	5,700
MW-33	4/1/2002	15,000
	7/31/2002	21,000
	2/25/2003	22,000
	8/19/2003	22,000
	2/20/2004	3,600

TABLE 3 SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL I.D.	DATE	M/P XYLENE (µg/L)
101	2/24/2003	1,300
	8/19/2003	3,900
	2/20/2004	12,000
102	12/8/1995	800
	6/24/1996	200
	1/28/1997	1,100
	12/4/1997	26
	6/13/1998	270
	1/19/1999	49
	7/14/1999	760
	2/29/2000	1,300
	6/13/2000	230
	2/21/2001	100
	8/1/2001	9.1
	4/2/2002	<5.0
	7/30/2002	<10
2/24/2003	21	
8/19/2003	5.3	
2/20/2004	150	
104	7/30/2002	<50
	2/20/2004	860
105	7/30/2002	<50
106	12/8/1995	350,000
	6/24/1996	<10
	1/28/1997	120,000
	6/13/1998	No Data
	1/19/1999	140,000
	7/14/1999	29,000
	3/1/2000	130,000
	6/13/2000	87,000
	2/21/2001	97,000
	8/1/2001	35,000
	8/19/2003	180,000
2/20/2004	87,000	
107	6/13/2000	96,000
	7/31/2002	240,000
	8/19/2003	160,000
	2/20/2004	88,000
108	4/1/2002	130,000
	2/24/2003	150,000
	8/19/2003	97,000
	2/20/2004	120,000
113	1/19/1999	11
	7/14/1999	BQL
	2/29/2000	370
	6/13/2000	460
	2/21/2001	<1
	7/31/2001	71
	4/1/2002	3.5
	7/31/2002	<1.0
	2/25/2003	2.2
	8/19/2003	1.6
2/20/2004	<1.0	
114	6/13/1998	42

TABLE 3			
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER			
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA			
WELL ID.	DATE	M/P XYLENE (µg/L)	
117	12/8/1995	86,000	
	6/24/1996	59,000	
	1/28/1997	80,000	
	12/4/1997	46,000	
	6/13/1998	130,000	
	1/19/1999	120,000	
	7/14/1999	140,000	
	2/29/2000	78,000	
	6/13/2000	100,000	
	2/21/2001	81,000	
	7/31/2001	45,000	
	4/1/2002	39,000	
	7/30/2002	16,000	
	2/25/2003	55,000	
	8/19/2003	7,100	
2/20/2004	110,000 D		
119	6/24/1996	<2	
	1/28/1997	1,500	
	12/4/1997	15	
	6/13/1998	3,000	
	1/19/1999	390	
	7/14/1999	420	
	2/29/2000	4,900	
	6/13/2000	1,300	
	2/21/2001	37	
	7/31/2001	1,800	
	4/1/2002	320	
	7/30/2002	<100	
	2/24/2003	9,000	
	8/19/2003	<100	
2/20/2004	48		
120	12/8/1995	1,600	
	6/24/1996	600	
	1/28/1997	4,300	
	12/4/1997	1,500	
	6/13/1998	1,500	
	1/19/1999	1,000	
	7/14/1999	400	
		WELL WAS DAMAGED	
	6/13/2000	800	
	2/21/2001	1,200	
	8/1/2001	2,300	
4/1/2002	33,000		
121	12/8/1995	300,000	
	6/24/1996	100,000	
	1/28/1997	100,000	
	12/4/1997	140,000	
	6/13/1998	160,000	
	1/19/1999	110,000	
	7/14/1999	140,000	
	3/1/2000	190,000	
2/24/2003	140,000		
D-O	12/8/1995	160,000	
	6/24/1996	62,000	
	1/28/1997	3,400	
Well has been permanently abandoned			

TABLE 3		
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER		
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL I.D.	DATE	M/P XYLENE (µg/L)
TYPE III MONITORING WELLS		
TMW-1	12/8/1995	220
	2/29/2000	300
TMW-2	2/29/2000	4.2
RECOVERY WELLS		
RW-2	12/4/1997	8,100
	6/13/1998	14,000
	1/19/1999	8,200
	7/14/1999	9,200
	3/1/2000	26,000
	4/1/2002	17,000
	7/31/2002	13,000
KRW-3	12/4/1997	87,000
	6/13/1998	120,000
	1/19/1999	67,000
	7/14/1999	86,000
	2/29/2000	17,000
	6/13/2000	85,000
	2/21/2001	100,000
	7/31/2001	140,000
	4/1/2002	47,000
	7/31/2002	57,000
	2/25/2003	45,000
	8/19/2003	93,000
2/20/2004	53,000 D	
KRW-4	12/4/1997	27,000
	6/13/1998	60,000
	1/19/1999	18,000
	7/14/1999	86,000
	2/29/2000	61,000
	6/13/2000	29,000
	2/21/2001	15,000
	8/1/2001	13,000
	4/1/2002	11,000
	7/31/2002	16,000
	2/24/2003	11,000
	8/19/2003	15,000
	2/20/2004	18,000
KRW-5	12/4/1997	180,000
	6/13/1998	130,000
	1/19/1999	84,000
	7/14/1999	390,000
	2/29/2000	150,000
	6/13/2000	100,000
	2/21/2001	FP
	7/31/2001	79,000
	4/1/2002	170,000
	7/31/2002	60,000
	2/24/2003	66,000
	8/19/2003	210,000
	2/20/2004	77,000
KRW-6	2/21/2001	64,000
	7/31/2001	95,000
	4/1/2002	93,000
	7/31/2002	53,000
	2/25/2003	60,000
	8/19/2003	72,000
	2/20/2004	120,000

TABLE 3		
SUMMARY OF EPA METHOD 602 (M/P XYLENES) LABORATORY RESULTS - GROUNDWATER		
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL I.D.	DATE	M/P XYLENE (µg/L)
KRW-7	8/21/2003	21,000
KRW-8	8/21/2003	100,000
TEMPORARY MONITORING WELLS *		
HP-1	4/94	11,900
HP-2	4/94	11,500
303TW-1	3/28/03	480
303TW-2	3/28/2003	1
303TW-3	3/28/2003	2,200
303TW-4	3/28/2003	31,000

FP = Free Product

* Temporary wells have been permanently abandoned

D - The reported result is from a secondary dilution.

TABLE 4
SUMMARY OF GROUNDWATER ELEVATIONS AT
SELECTED MONITORING WELLS - FEBRUARY 19, 2004

LOADING RACK AREA
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

DATA POINT	TOP OF CASING ELEVATION (in feet)	DEPTH TO WATER (in feet)	FREE PRODUCT THICKNESS (in feet)	SPECIFIC GRAVITY ADJUSTMENT	WATER TABLE ELEVATION (in feet)
TYPE II MONITORING WELLS					
KMW-1	19.62	6.28	NMT	--	13.34
KMW-3	14.63	5.00	NMT	--	9.63
KMW-4	20.15	10.32	NMT	--	9.83
KMW-5	16.29	1.74	NMT	--	14.55
KMW-6	24.90	0.56	NMT	--	24.34
KMW-7	25.11	0.21	NMT	--	24.90
KMW-8	25.86	0.73	NMT	--	25.13
KMW-9	25.73	0.95	NMT	--	24.78
KMW-10	24.92	0.82	NMT	--	24.10
KMW-11	27.34	1.22	NMT	--	26.12
KMW-12	24.19	10.53	NMT	--	13.66
KMW-13	23.84	10.07	NMT	--	13.77
KMW-14	23.31	9.28	NMT	--	14.03
FHR TYPE II MONITORING WELLS WITHIN APEX TERMINAL					
AMW-1	23.42	10.03	NMT	--	13.39
AMW-2	23.35	9.99	NMT	--	13.36
AMW-3	21.72	9.85	NMT	--	11.87
AMW-4	15.16	6.54	NMT	--	8.62
AMW-5	10.38	4.42	NMT	--	5.96
AMW-6	11.97	6.80	NMT	--	5.17

Notes:

Specific gravity adjustment for para-xylene is 0.86.

NMT = No Measurable Thickness

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED VOLATILES DATA
EPA METHOD 8260B

LOADING RACK AREA
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

WELL ID	DATE	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m/p-Xylenes	o-Xylene	All Other 8260B Analytes
T15A NCAC 2L.0202 Groundwater Standards		1	70	70	29	70	200	21	70	1,000	350	350	530		Varies
T-1**	8/1/2001	-	-	-	-	-	-	-	-	-	-	-	1,100	-	-
T-2**	8/1/2001	-	-	-	-	-	-	-	-	-	-	-	4.9*	-	-
T-3**	8/24/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	210	<5.0	ND
T-4**	8/24/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	44	<5.0	ND
T-5**	8/24/2001	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	34,000	<500	ND
T-6**	8/24/2001	8,300	<500	<500	<500	<500	48,000	830	<500	4,100	1,700	<500	11,000	860	ND
T-8**	8/24/2001	20	<5.0	<5.0	<5.0	<5.0	21	<5.0	<5.0	18	<5.0	<5.0	22	<5.0	ND
KMW-1	4/94	-	-	-	-	-	-	-	-	-	-	-	7,900*	-	-
	2/10/99	-	-	-	-	-	-	-	-	-	-	-	780*	-	-
	2/24/00	-	-	-	-	-	-	-	-	-	-	-	66.9*	-	-
	9/21/00	-	-	-	-	-	-	-	-	-	-	-	128*	-	-
	2/14/01	-	-	-	-	-	-	-	-	-	-	-	16,000*	-	-
	7/10/01	-	-	-	-	-	-	-	-	-	-	-	7,600*	<500	-
	8/1/01	-	-	-	-	-	-	-	-	-	-	-	4,900*	-	-
	8/24/01	<500	<500	<500	3,400	<500	<500	<500	<500	<500	<500	<500	4,500	<500	ND
	9/18/01	<50	<50	81	<50	<50	<50	<50	<50	<50	340	170	3,000	<50	BQL
	1/3/02	<5.0	<5.0	37	<5.0	<5.0	<5.0	5.5	9	<5.0	39	<5.0	<10	<5.0	ND
	2/27/02	<5.0	5.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	51	43	<10	<5.0	ND
2/28/03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	540	<50	ND	
9/16/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	53	40	22	<5.0	ND	
2/19/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	26	27	2.6	<1.0	ND	
KMW-2	4/94	-	-	-	-	-	-	-	-	-	-	-	19,000*	-	-
	2/10/99	-	-	-	-	-	-	-	-	-	-	-	5*	-	-

All results in micrograms per Liter - µg/l

ND = Not detected

* = Determined with EPA Method 602 analysis

- = No data

BQL = Below Quantitation Limits

** = Temporary wells have been permanently abandoned

Bold figure indicates concentration level exceeds applicable 2L Groundwater Standard limit.

J = Value is estimated since concentration was below calibration range.

<p style="text-align: center;">TABLE 5 SUMMARY OF GROUNDWATER DISSOLVED VOLATILES DATA EPA METHOD 8260B LOADING RACK AREA FLINT HILLS RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA</p>															
WELL ID	DATE	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m/p-Xylenes	o-Xylene	All Other 8260B Analytes
T15A NCAC 2L.0202 Groundwater Standards		1	70	70	29	70	200	21	70	1,000	350	350	530		Varies
KMW-3	4/94	-	-	-	-	-	-	-	-	-	-	-	6.5*	-	-
	2/10/99	-	-	-	-	-	-	-	-	-	-	-	96*	-	-
	2/14/01	-	-	-	-	-	-	-	-	-	-	-	62*	-	-
	8/24/01	<5.0	<5.0	<5.0	33	<5.0	13	6.7	5.7	<5.0	17	<5.0	59	<5.0	ND
	9/18/01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	BQL
	1/3/02	<5.0	<5.0	99	17	13	<5.0	16	48	<5.0	110	38	32	<5.0	ND
	2/27/02	<5.0	8.4	<5.0	12	<5.0	<5.0	5.3	44	<5.0	48	29	23	<5.0	ND
	2/28/03	<5.0	<5.0	<5.0	12	<5.0	<5.0	<5.0	<5.0	<5.0	37	11	38	<5.0	ND ²
	9/16/03	<5.0	<5.0	<5.0	120	<5.0	<5.0	8.1	9.4	<5.0	74	32	250	<5.0	ND
	2/19/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
KMW-4	4/94	-	-	-	-	-	-	-	-	-	-	-	28,000*	-	-
	2/24/00	-	-	-	-	-	-	-	-	-	-	-	9.4*	-	-
	9/21/00	-	-	-	-	-	-	-	-	-	-	-	198*	-	-
	2/14/01	-	-	-	-	-	-	-	-	-	-	-	110*	-	-
	8/24/01	<5.0	<5.0	<5.0	<5.0	<5.0	210	7.1	<5.0	<5.0	7.7	<5.0	<10	<5.0	ND
	9/17/01	1	1	1	<1	8	17	8	12	<1	12	10	28	<1	BQL
	1/3/02	<5.0	<5.0	<5.0	41	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	52	<5.0	ND
	2/27/02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	ND
	2/28/03	<5.0	<5.0	<5.0	<5.0	<5.0	9	<5.0	<5.0	<5.0	15	11	<5.0	<5.0	ND
	9/16/03	<5.0	<5.0	<5.0	<5.0	<5.0	12	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	ND
2/19/04	<1.0	<1.0	<1.0	<1.0	<1.0	17	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND	
KMW-5	9/17/01	<20	<20	<20	<20	<20	<20	33	26	<20	210	56	800	<20	BQL
	1/3/02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	ND
	2/27/02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	ND ¹
	2/28/03	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	78,000	<500	ND
	9/16/03	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	13,000	<120	ND
	2/19/04	<500	<500	<500	<500	<500	<5,000	<2,500	<500	<500	<500	<500	15,000	<500	ND
KMW-6	9/17/01	<4.4	<8.4	<6.2	410	<7.4	<9.3	<14	<7.1	66	<9.7	<7.4	160,000	270	50
	1/3/02	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	19,000	<250	ND
	2/27/02	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	37,000	<500	ND
	2/28/03	67	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	6,300	<50	ND
	9/16/03	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	14,000	<120	ND
	2/19/04	<1,000	<1,000	<1,000	<1,000	<1,000	<10,000	<5,000	<1,000	<1,000	<1,000	<1,000	31,000	<1,000	ND
KMW-7	9/17/01	370	<10	<10	88	<10	330	48	12	450	120	36	570	330	BQL
	1/3/02	160	5.4	<5.0	24	<5.0	94	19	<5.0	44	20	7.1	100	16	ND
	2/27/02	270	<5.0	32	41	<5.0	110	41	5.5	210	33	31	180	140	ND
	2/28/03	120	<5.0	<5.0	74	<5.0	5.4	32	7.8	31	40	33	180	20	ND
	9/16/03	300	<5.0	<5.0	180	12	<5.0	150	22	14	170	62	560	8.2	ND
	2/19/04	110	<10	<10	120	12	<100	190	26	<10	410	110	600	12	ND

All results in micrograms per Liter - µg/l
 - = No data
 ND = Not detected

BQL = Below Quantitation Limits
 * = Determined with EPA Method 602 analysis
 ** = Temporary wells have been permanently abandoned
 J = Value is estimated since concentration was below calibration range.

Bold figure indicates concentration level exceeds applicable 2L Groundwater Standard limit.
 ND¹ = Chloroform was also detected in KMW-5 with a result of 7.5 µg/l.
 ND² = Tert-butylbenzene was detected in KMW-3 with a result of 5.2 µg/l.

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED VOLATILES DATA
EPA METHOD 8260B

LOADING RACK AREA
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

WELL ID	DATE	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m/p-Xylenes	o-Xylene	All Other 8260B Analytes	
T15A NCAC 2L.0202 Groundwater Standards		1	70	70	29	70	200	21	70	1,000	350	350	530		Varies	
KMW-8	9/17/01	3,400	<200	450	840	<200	6,300	530	<200	600	2,300	580	12,000	650	BQL	
	1/3/02	1,300	<100	<100	190	<100	3,700	180	130	<100	390	130	930	<100	ND	
	2/27/02	0.17' FREE PHASE PRODUCT														
	2/28/03	1,400	<250	<250	550	<250	1,400	320	<250	<250	1,700	630	8,000	340	ND	
	9/16/03	1,900	<250	<250	670	<250	1,600	480	<250	680	1,200	390	5,900	450	ND	
2/19/04	2,600	<100	<100	990	<100	<1,000	680	110	820	1,400	380	8,800	670	ND		
KMW-9	9/17/01	6,200	<200	260	2,800	<200	3,900	540	360	1,100	1,000	<200	3,700	440	BQL	
	1/3/02	0.21' FREE PHASE PRODUCT														
	2/27/02	0.12' FREE PHASE PRODUCT														
	2/28/03	NOT MEASURED, WELL DAMAGED/WELL WAS REPLACED ON 7/2/03														
	9/16/03	1,200	<250	<250	2,000	<250	540	660	340	1,200	2,700	830	10,000	1,200	ND	
2/19/04	560	<200	<200	830	<200	<2,000	<1,000	<200	310	1,400	330	6,900	640	ND		
KMW-10	9/17/01	88	<20	<20	<20	<20	750	<20	<20	<20	<20	<20	<40	<20	BQL	
	1/3/02	37	<10	<10	12	<10	120	15	<10	18	12	<10	37	18	ND	
	2/27/02	32	<10	<10	<10	<10	69	10	<10	<10	<10	<10	<20	<10	ND	
	2/28/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	
	9/16/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	ND	
2/19/04	440	<10	<10	190	19	<100	140	30	28	190	38	260	<10	ND		
KMW-11	9/17/01	110	<80	<80	610	<80	<80	89	<80	2,000	650	130	2,500	1,200	BQL	
	1/3/02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	19	11	ND	
	2/27/02	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	32	5.2	<5.0	81	<5.0	ND	
	2/28/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	
	9/16/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	ND	
2/19/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND		
KMW-12	1/3/02	0.30' FREE PHASE PRODUCT														
	2/27/02	1,400	<5.0	14	190	77	670	200	160	39	760	130	1,800	47	Varies	
	2/28/03	3,500	<250	<250	730	<250	990	340	<250	<250	1,100	360	5,800	<250	ND	
	9/16/03	2,000	<250	<250	680	<250	<250	370	<250	<250	950	290	4,400	<250	ND	
2/19/04	2,400	<500	<500	1,600	<500	<5,000	<2,500	<500	<500	2,700	670	13,000	<500	ND		
KMW-13	1/3/02	2.51' FREE PHASE PRODUCT														
	2/27/02	690	<5.0	<5.0	140	24	1,800	160	46	34	100	38	35,000	74	ND	
	2/28/03	690	<1,200	<1,200	<1,200	<1,200	1,100 J	<1,200	<1,200	<1,200	210 J	<1,200	19,000	<1,200	ND	
	9/16/03	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	20,000	<1,000	ND	
2/19/04	<1,000	<1,000	<1,000	<1,000	<1,000	<10,000	<5,000	<1,000	<1,000	<1,000	<1,000	71,000	<1,000	ND		

All results in micrograms per Liter - µg/l

= No data

Bold figure indicates concentration level exceeds applicable 2L Groundwater Standard limit.

ND = Not detected

BQL = Below Quantitation Limits

* = Determined with EPA Method 602 analysis

** = Temporary wells have been permanently abandoned

J = Value is estimated since concentration was below calibration range.

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED VOLATILES DATA
EPA METHOD 8260B
LOADING RACK AREA
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

WELL ID	DATE	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m/p-Xylenes	o-Xylene	All Other 8260B Analytes
T15A NCAC 2L.0202 Groundwater Standards		1	70	70	29	70	200	21	70	1,000	350	350	530		Varies
KMW-14	1/3/02	8.5	<5.0	<5.0	<5.0	<5.0	38	<5.0	<5.0	<5.0	<5.0	<5.0	2,900	<5.0	ND
	2/27/02	6.9	<5.0	<5.0	66	5	27	13	<5.0	<5.0	25	11	30,000	59	ND
	2/28/03	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	23,000	<120	ND
	9/16/03	<500	<500	<500	45,000	<500	<500	<500	<500	<500	<500	<500	38,000	<500	ND
	2/19/04	<1,000	<1,000	<1,000	<1,000	<1,000	<10,000	<5,000	<1,000	<1,000	<1,000	<1,000	62,000	<1,000	ND
AMW-1	12/22/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.6	2.7	<2.0	<1.0	2.2
	2/19/04	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<5.0	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	35
AMW-2	12/22/03	1,700	<1.0	<1.0	1,400	130	300	660	390	1,100	2,500	710	27,000	680	5.2
	2/19/04	2,200	<200	<200	1,700	<200	<2,000	<1,000	300	2,000	2,200	600	39,000	940	ND
AMW-3	12/22/03	220	<1.0	<1.0	30	25	10	56	39	12	89	23	1,600	8.5	7.2
	2/19/04	170	<50	<50	50	<50	<500	<250	<50	<50	100	<50	2,800	<50	ND
AMW-4	12/22/03	200	15	18	11	14	240	26	26	2.8	140	110	68	<1.0	36
	2/19/04	420	<10	13	21	28	110	<50	34	17	200	93	98	<10	ND
AMW-5	12/22/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	ND
	2/19/04	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3
AMW-6	12/22/03	76	<1.0	2.7	5.3	4.1	24	<1.0	1.1	1.1	3.4	<1.0	11	<1.0	ND
	2/19/04	66	2.6	4.2	3.5	5.5	24	5.7	1.8	2.2	17	<5.0	23	2.2	ND

All results in micrograms per Liter - µg/l

- = No data

Bold figure indicates concentration level exceeds applicable 2L Groundwater Standard limit.

Refer to laboratory reports for other 8260B analytes detected.

ND = Not detected

BQL = Below Quantitation Limits

* = Determined with EPA Method 602 analysis

** = Temporary wells have been permanently abandoned

J = Value is estimated since concentration was below calibration range.

TABLE 6

**SURFICIAL GROUNDWATER RECOVERY DATA
FOR PERIOD AUGUST 29, 2003 to MARCH 5, 2004**

**PARAXYLENE FACILITY
FLINT HILLS RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA**

WELL I.D.	CURRENT PERIOD (8/29/2003 to 3/5/2004)		TO DATE	
	Volume of Groundwater Recovered (gal.)	Approx. Volume of PX Removed* (gal.)	Volume of Groundwater Recovered (gal.)	Approx. Volume of PX Removed (gal.)
RW-2 (Operated from 3/21/95 to 1/03)	0	0/0	4,249,488	46
KRW-3 (Operating since prior to March 19, 1995 event)	574,020	49/0	18,218,492	909
KRW-4 (Operating since November 3, 1997)	4,654,060	89/1	28,158,079	586
KRW-5 (Operating since November 3, 1997)	3,010,920	502/1.5	26,302,819	3,657.5
KRW-6 (Operating since January 17, 2001)	1,173,500	131/0.5	4,421,130	398.5

NOTE: RW-2 has been permanently turned off since October of 2000 due to low water table elevation.

Dissolved PX removed calculations are provided in Section 6.1.2.3 of the report text.

* Dissolved PX removed/PX manually removed

TABLE 7
HISTORICAL MTBE DATA - SURFICIAL GROUNDWATER
PARAXYLENE FACILITY
FLINT HILL RESOURCES, LP NORTH TERMINAL
WILMINGTON, NORTH CAROLINA

WELL I.D.	DATE	MTBE Concentration ($\mu\text{g/L}$)
MW-17	Jul-03	2,100
	Aug-03	5.9
	Feb-04	<1,200
MW-18	Feb-04	<10
MW-19	Feb-04	<1,000
MW-20	Feb-04	<5,000
MW-28	Jun-98	<2
	Feb-04	<100
MW-30	Jun-98	<1
MW-32	Feb-04	<1,000
MW-33	Feb-04	<1,000
101	Jul-03	<100
	Aug-03	<50
	Feb-04	8,500
102	Jun-96	1,100
	Jun-98	420
	Jan-99	150
	Jul-03	310
	Aug-03	200
	Feb-04	290
104	Jul-02	5,100
	Feb-04	<500
105	Aug-02	390
106	Jun-96	420
	Aug-02	1,000
	Aug-03	<5,000
	Feb-04	<25000

TABLE 7		
HISTORICAL MTBE DATA - SURFICIAL GROUNDWATER		
PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL I.D.	DATE	MTBE Concentration ($\mu\text{g/L}$)
107	Jul-02	<500
	Aug-02	<500
	Aug-03	<5,000
	Feb-04	<10000
108	Aug-03	<5,000
	Feb-04	<40000
113	Jan-99	<2
	Feb-04	<10
114	Jun-98	18
117	Jul-96	<5,000
	Jun-98	<20,000
	Feb-04	<10,000
119	Jun-96	14
	Jun-98	<100
	Apr-02	2,900
	Jul-02	6,400
	Aug-03	2,200
	Feb-04	990
120	Jun-96	38
	Jun-98	160
	Jan-99	210
	Apr-02	1,300
121	Jun-96	<1,000
	Jun-98	<10,000
TEMPORARY WELLS		
M-1	Aug-02	1,500
M-2	Aug-02	<50
RECOVERY WELLS		
RW-2	Jun-98	<1,000
	Apr-02	<500
	Jul-02	<500

TABLE 7 HISTORICAL MTBE DATA - SURFICIAL GROUNDWATER PARAXYLENE FACILITY FLINT HILL RESOURCES, LP NORTH TERMINAL WILMINGTON, NORTH CAROLINA		
WELL ID.	DATE	MTBE Concentration (µg/L)
KRW-3	Feb-04	<5,000
KRW-4	Jun-98 Apr-02 Jul-02 Aug-03 Feb-04	<4,000 5,900 2,900 2,700 <5,000
KRW-5	Feb-04	<10,000
KRW-6	Feb-04	<10,000
GASOLINE/FUEL OIL AST AREA MONITORING WELLS		
2	Apr-02	<5

TABLE 8				
OVA READINGS FOR SOIL BORINGS				
January 12, 2004				
FHR NORTH TERMINAL				
LOADING RACK AREA				
SOIL BORING ID	OVA READINGS BY DEPTH (FEET BLS)			
	0-1	1-2	2-3	3-4
B1	9.2	36	1	--
B2	600	120	100	--
B3	300	580	--	--
B4	>1,000	>1,000	>1,000	--
B5	700	220	--	--
B6	42	34	320	--
B7	130	300	>1,000	--
B8	>1,000	>1,000	>1,000	--
B9	>1,000	64	>1,000	>1,000
B10	9.6	600	>1,000	--
B11	22	>1,000	>1,000	>1,000
B12	>1,000	>1,000	520	--
B13	2.0	200	60	--
B14	3.8	4.2	--	--

-- = Sample not collected from this interval.

Maximum depth represents the first interval with saturated soil conditions.

All results in parts per million.

Sample ID	Contaminant of Concern →		Flash Point per EPA 1010 (Deg. F)	Semivolatile Organics (TCLP per EPA 3510/8270) (mg/L)	TPH - Diesel per EPA 3545/8015 (mg/kg)	TPH - Gas per EPA Method 8015 (mg/kg)	Volatile Organics (TCLP per EPA Method 8260) (mg/L)		
	Date Collected	Sample Depth (ft. BGS)	Flash Point	All 8270 Analytes	Diesel Fuel	Gasoline	Benzene	2-Butanone (MEK)	All Other 8260 Analytes
40 CFR Part 261 Regulatory Level (mg/L)			<140	Varies	NE	NE	0.5	200	Varies
B2 (0-1')	1/12/2004	0-1	>180	ND	10	28	<0.010	<0.010	ND
B2 (1-2')	1/12/2004	1-2	>180	ND	3,700	92	<0.010	<0.010	ND
B2 (2-3')	1/12/2004	2-3	>180	ND	440	60	<0.010	<0.010	ND
B3 (0-1')	1/12/2004	0-1	>180	ND	2,400	700	<0.010	<0.010	ND
B3 (1-2')	1/12/2004	1-2	>180	ND	2,600	1,000	0.010	<0.010	ND
B4 (0-1')	1/12/2004	0-1	>180	ND	6,100	3,600	<0.010	0.016	ND
B4 (1-2')	1/12/2004	1-2	>180	ND	3,200	6,900	<0.010	<0.010	ND
B4 (2-3')	1/12/2004	2-3	>180	ND	2,700	3,700	0.017	<0.010	ND
B6 (0-1')	1/12/2004	0-1	>180	ND	<5.8	<6.9	<0.010	<0.010	ND
B6 (1-2')	1/12/2004	1-2	>140	ND	<6.0	<7.2	<0.010	<0.010	ND
B6 (2-3')	1/12/2004	2-3	>140	ND	56	61	<0.010	<0.010	ND
B7 (0-1')	1/12/2004	0-1	>140	ND	8.1	<6.8	<0.010	0.015	ND
B7 (1-2')	1/12/2004	1-2	>140	ND	21	<7.1	<0.010	0.015	ND
B7 (2-3')	1/12/2004	2-3	>140	ND	860	280	0.014	<0.010	ND
B8 (0-1')	1/12/2004	0-1	>140	ND	8,200	3,100	<0.010	<0.010	ND
B8 (1-2')	1/12/2004	1-2	>140	ND	6,000	2,500	<0.010	0.022	ND
B8 (2-3')	1/12/2004	2-3	>140	ND	5,800	8,700	0.130	<0.010	ND

Sample ID	Contaminant of Concern →		Flash Point per EPA 1010 (Deg. F)	Semivolatile Organics (TCLP per EPA 3510/8270) (mg/L)	TPH - Diesel per EPA 3545/8015 (mg/kg)	TPH - Gas per EPA Method 8015 (mg/kg)	Volatile Organics (TCLP per EPA Method 8260) (mg/L)		
	Date Collected	Sample Depth (ft. BGS)	Flash Point	All 8270 Analytes	Diesel Fuel	Gasoline	Benzene	2-Butanone (MEK)	All Other 8260 Analytes
40 CFR Part 261 Regulatory Level (mg/L)			<140	Varies	NE	NE	0.5	200	Varies
B9 (0-1')	1/12/2004	0-1	>140	ND	20	<7.0	<0.010	<0.010	ND
B9 (1-2')	1/12/2004	1-2	>140	ND	<5.8	<6.9	<0.010	<0.010	ND
B9 (2-3')	1/12/2004	2-3	>140	ND	<6.3	<7.5	<0.010	0.011	ND
B12 (0-1')	1/12/2004	0-1	>140	ND	10,000	960	<0.010	0.011	ND
B12 (1-2')	1/12/2004	1-2	>140	ND	3,000	750	<0.010	<0.010	ND
B12 (2-3')	1/12/2004	2-3	>140	ND	1,800	840	<0.010	0.017	ND
B13 (0-1')	1/12/2004	0-1	>140	ND	15	<7.4	<0.010	0.011	ND
B13 (1-2')	1/12/2004	1-2	>140	ND	<6.6	<7.9	<0.010	0.018	ND
B13 (2-3')	1/12/2004	2-3	>140	ND	<6.6	<7.9	<0.010	0.016	ND

All results in mg/kg.

ND = Not Detected at or above adjusted reporting limit

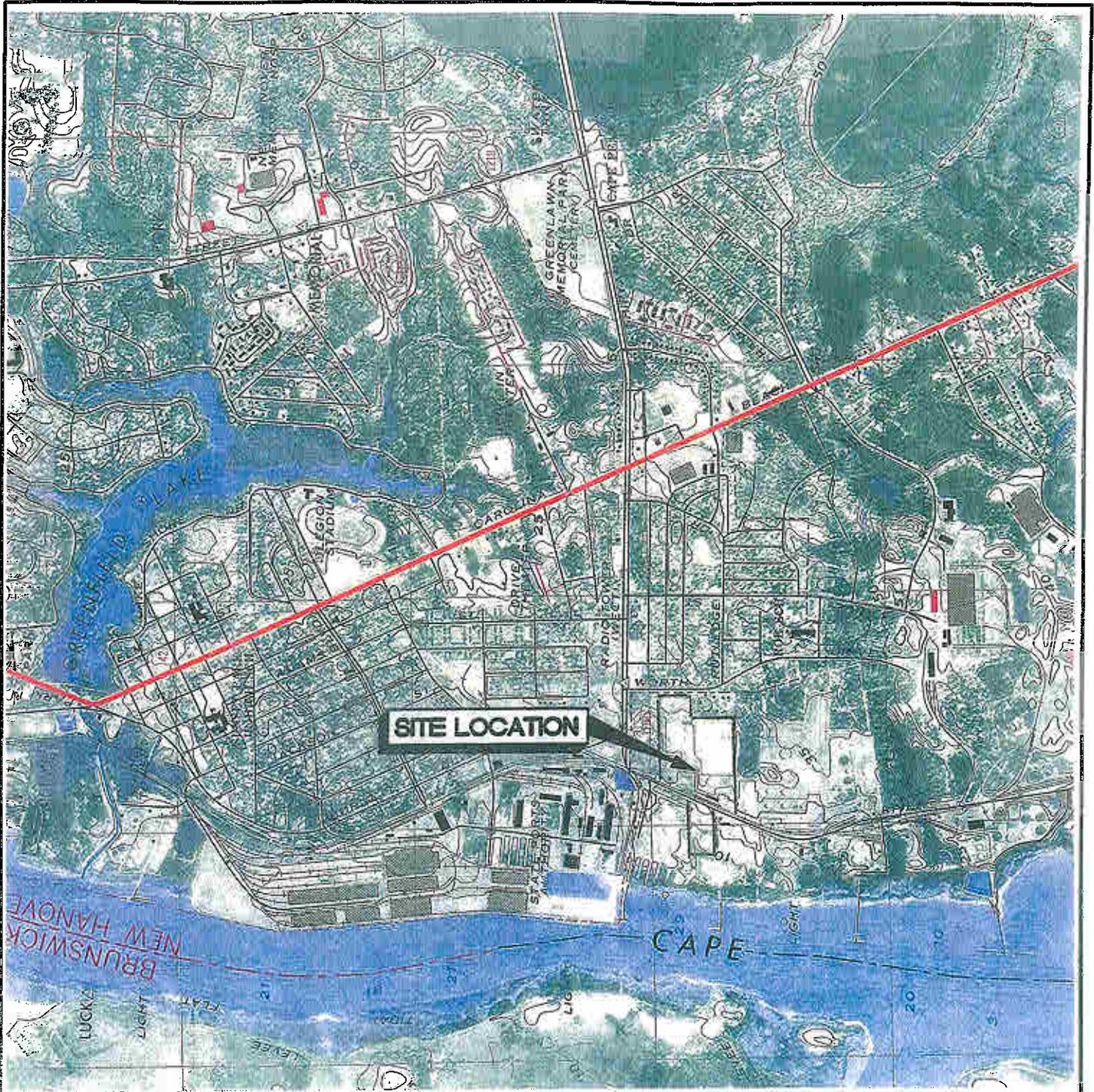
NE = None Established

ft. BGS = feet below ground surface

State Action Level for TPH Diesel = 40 ppm

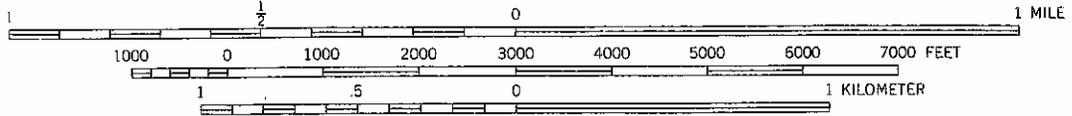
State Action Level for TPH Gas = 10 ppm

FIGURES



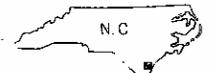
SITE LOCATION

SCALE 1:24 000



CONTOUR INTERVAL 5 FEET

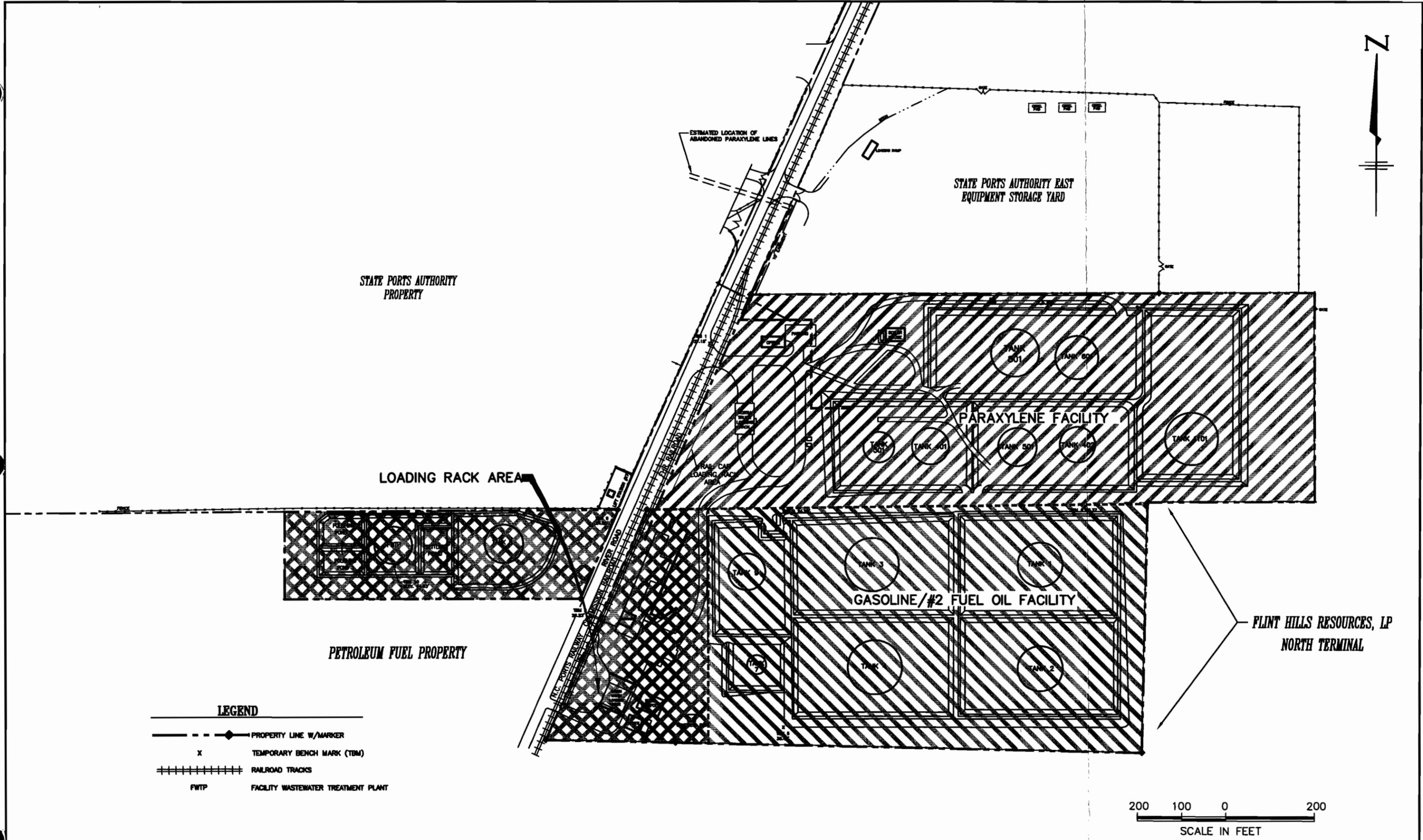
NATIONAL GEODETIC VERTICAL DATUM OF 1929
 DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 3.6 FEET



QUADRANGLE LOCATION

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

<p>WILMINGTON, NORTH CAROLINA</p>	<p>PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.</p>	<p>TITLE GENERAL LOCATION USGS TOPOGRAPHIC QUADRANGLE</p>	<p>FIGURE 1</p>
	<p>JOB NO: 201-125 DATE: JUNE 2004</p>	<p>SCALE: AS SHOWN DRAWN BY: HCS</p>	<p>CHECKED BY: JKB</p>



LEGEND

—◆— PROPERTY LINE W/MARKER

X TEMPORARY BENCH MARK (TBM)

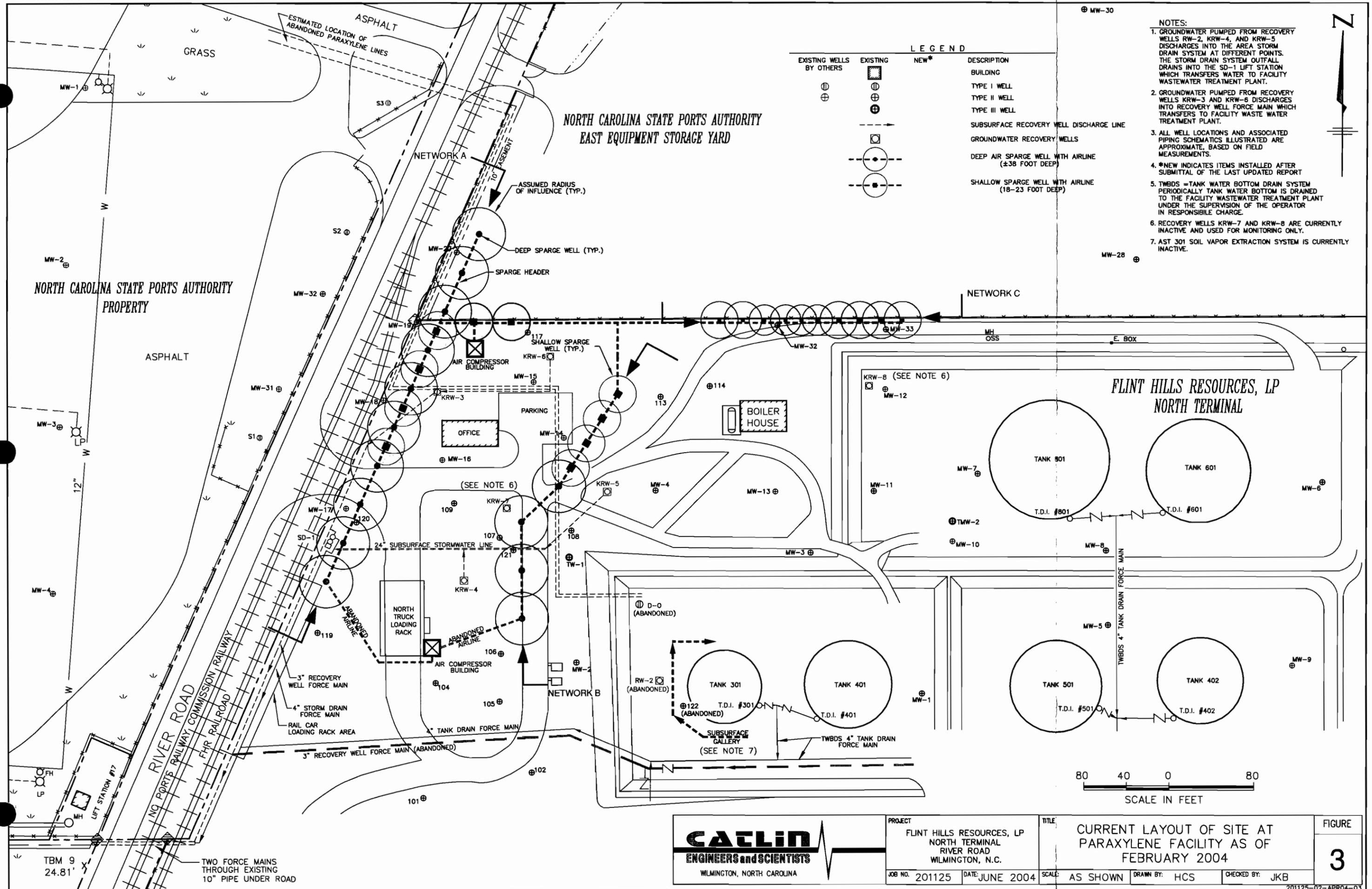
++++ RAILROAD TRACKS

FWTP FACILITY WASTEWATER TREATMENT PLANT

200 100 0 200

SCALE IN FEET

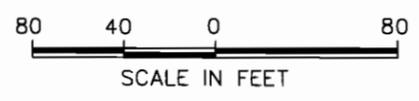
<p>CAELIN ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA</p>	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE SITE MAP	FIGURE 2
	JOB NO. 201-125 DATE: JUNE 2004	SCALE: AS SHOWN	DRAWN BY: HCS



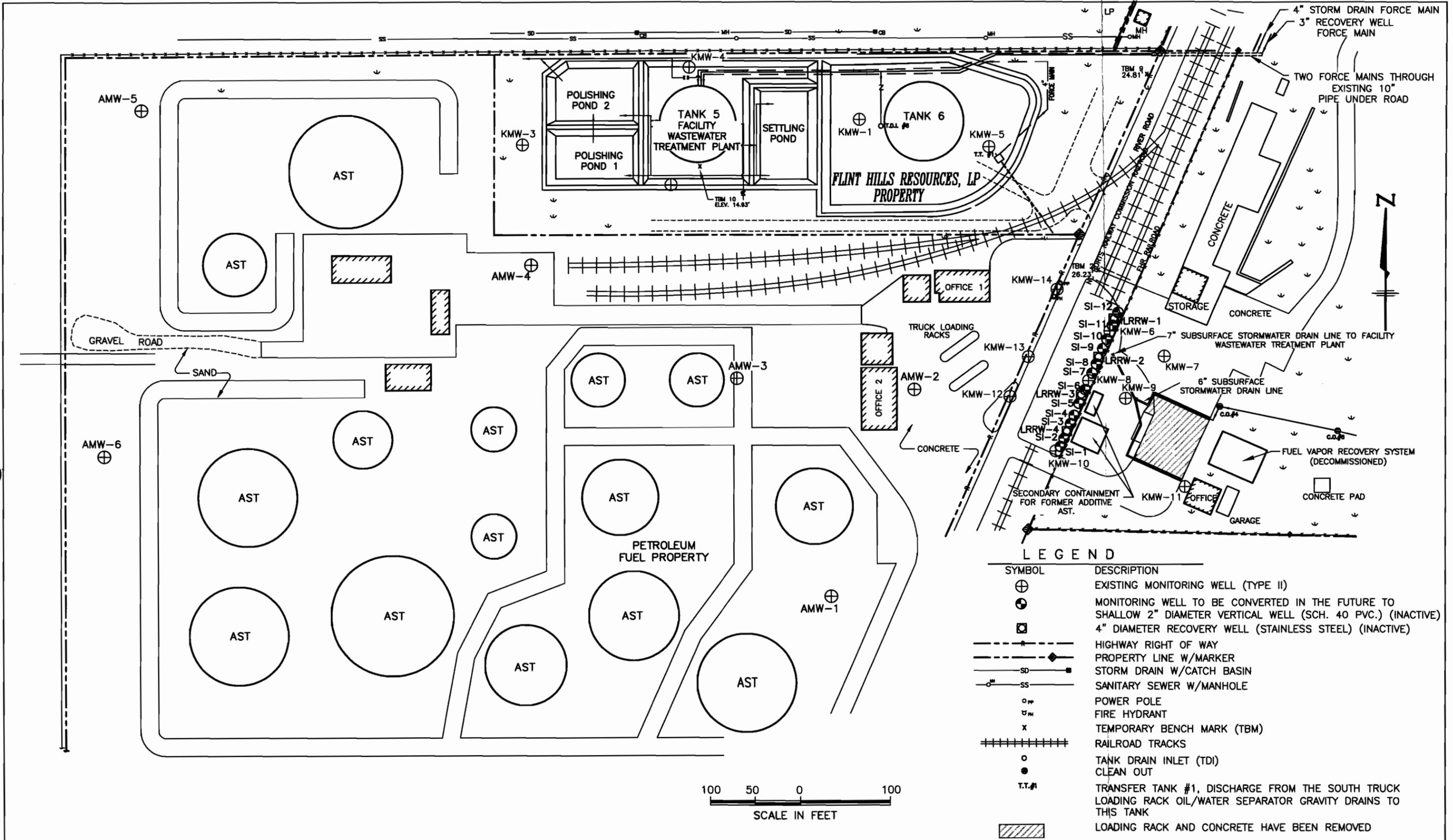
- NOTES:**
- GROUNDWATER PUMPED FROM RECOVERY WELLS RW-2, KRW-4, AND KRW-5 DISCHARGES INTO THE AREA STORM DRAIN SYSTEM AT DIFFERENT POINTS. THE STORM DRAIN SYSTEM OUTFALL DRAINS INTO THE SD-1 LIFT STATION WHICH TRANSFERS WATER TO FACILITY WASTEWATER TREATMENT PLANT.
 - GROUNDWATER PUMPED FROM RECOVERY WELLS KRW-3 AND KRW-6 DISCHARGES INTO RECOVERY WELL FORCE MAIN WHICH TRANSFERS TO FACILITY WASTE WATER TREATMENT PLANT.
 - ALL WELL LOCATIONS AND ASSOCIATED PIPING SCHEMATICS ILLUSTRATED ARE APPROXIMATE, BASED ON FIELD MEASUREMENTS.
 - *NEW INDICATES ITEMS INSTALLED AFTER SUBMITTAL OF THE LAST UPDATED REPORT
 - TWBDS = TANK WATER BOTTOM DRAIN SYSTEM PERIODICALLY TANK WATER BOTTOM IS DRAINED TO THE FACILITY WASTEWATER TREATMENT PLANT UNDER THE SUPERVISION OF THE OPERATOR IN RESPONSIBLE CHARGE.
 - RECOVERY WELLS KRW-7 AND KRW-8 ARE CURRENTLY INACTIVE AND USED FOR MONITORING ONLY.
 - AST 301 SOIL VAPOR EXTRACTION SYSTEM IS CURRENTLY INACTIVE.

LEGEND

EXISTING WELLS BY OTHERS	EXISTING	NEW*	DESCRIPTION
⊕	⊕	⊕	BUILDING
⊕	⊕	⊕	TYPE I WELL
⊕	⊕	⊕	TYPE II WELL
⊕	⊕	⊕	TYPE III WELL
	---	---	SUBSURFACE RECOVERY WELL DISCHARGE LINE
	⊕	⊕	GROUNDWATER RECOVERY WELLS
	⊕	⊕	DEEP AIR SPARGE WELL WITH AIRLINE (±38 FOOT DEEP)
	⊕	⊕	SHALLOW SPARGE WELL WITH AIRLINE (18-23 FOOT DEEP)

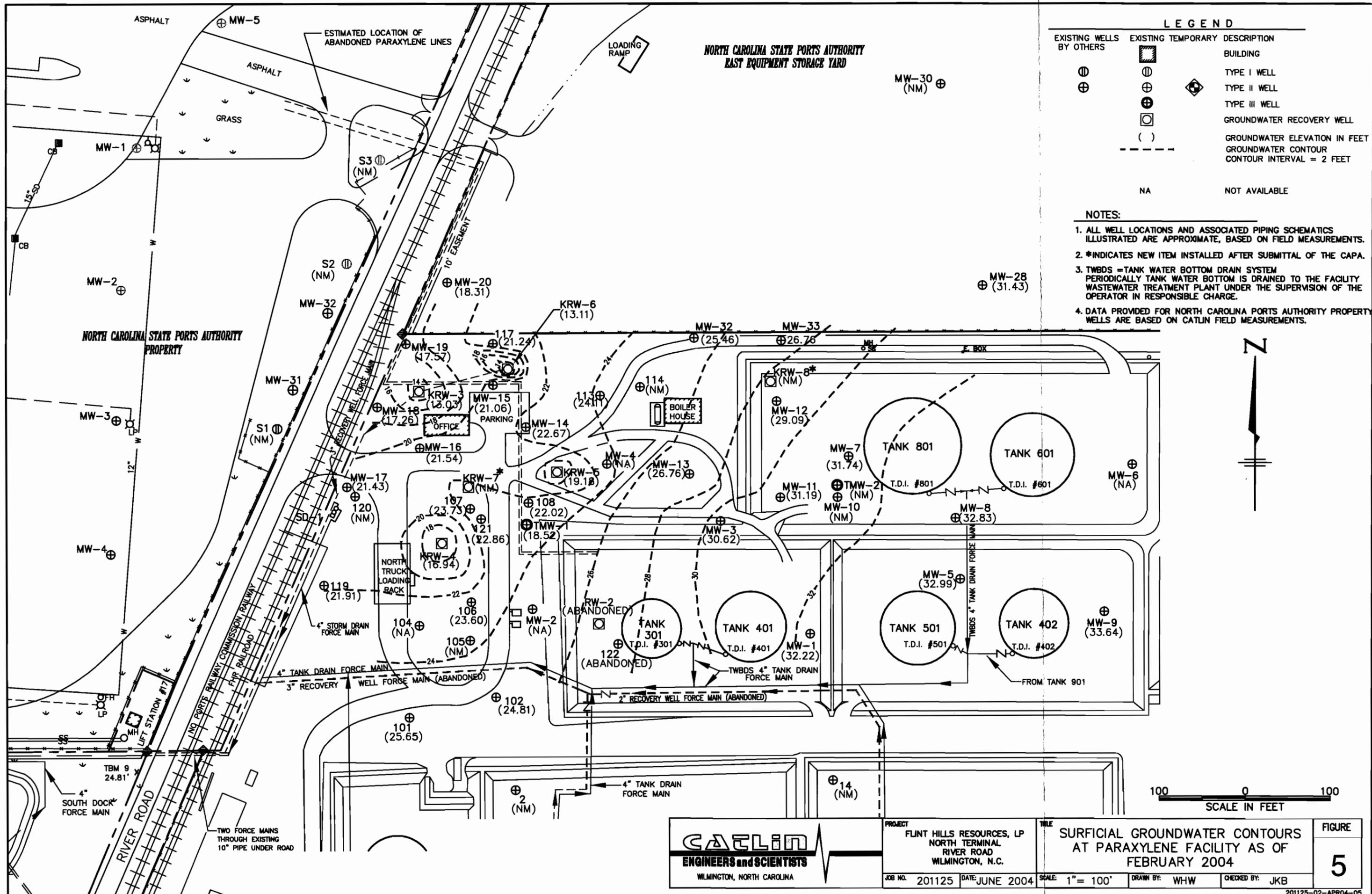


<p>Catalin ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA</p>	<p>PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.</p>	<p>TITLE CURRENT LAYOUT OF SITE AT PARAXYLENE FACILITY AS OF FEBRUARY 2004</p>	<p>FIGURE 3</p>
	<p>JOB NO. 201125 DATE: JUNE 2004</p>	<p>SCALE: AS SHOWN DRAWN BY: HCS CHECKED BY: JKB</p>	<p>201125-02-APR04-03</p>



NOTE:
 1. ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS, WITH THE EXCEPTION OF AMW-1 THROUGH AMW-6, ARE BASED ON FIELD MEASUREMENTS.
 AMW-1 THROUGH AMW-6 ARE BASED ON GPS SURVEY LOCATIONS.
 2. PETROLEUM FUEL ASTs AND STRUCTURES BASED ON AERIAL PHOTOGRAPHS.

 WILMINGTON, NORTH CAROLINA	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE CURRENT LAYOUT OF SITE AT LOADING RACK AREA AS OF FEBRUARY 2004	FIGURE 4
	JOB NO. 201125 DATE: JUNE 2004	SCALE: AS SHOWN DRAWN BY: HCS	CHECKED BY: JKB



**NORTH CAROLINA STATE PORTS AUTHORITY
EAST EQUIPMENT STORAGE YARD**

LEGEND

EXISTING WELLS BY OTHERS	EXISTING TEMPORARY	DESCRIPTION
⊕	⊕	BUILDING
⊕	⊕	TYPE I WELL
⊕	⊕	TYPE II WELL
⊕	⊕	TYPE III WELL
⊕	⊕	GROUNDWATER RECOVERY WELL
()	()	GROUNDWATER ELEVATION IN FEET
- - - -	- - - -	GROUNDWATER CONTOUR CONTOUR INTERVAL = 2 FEET
NA	NA	NOT AVAILABLE

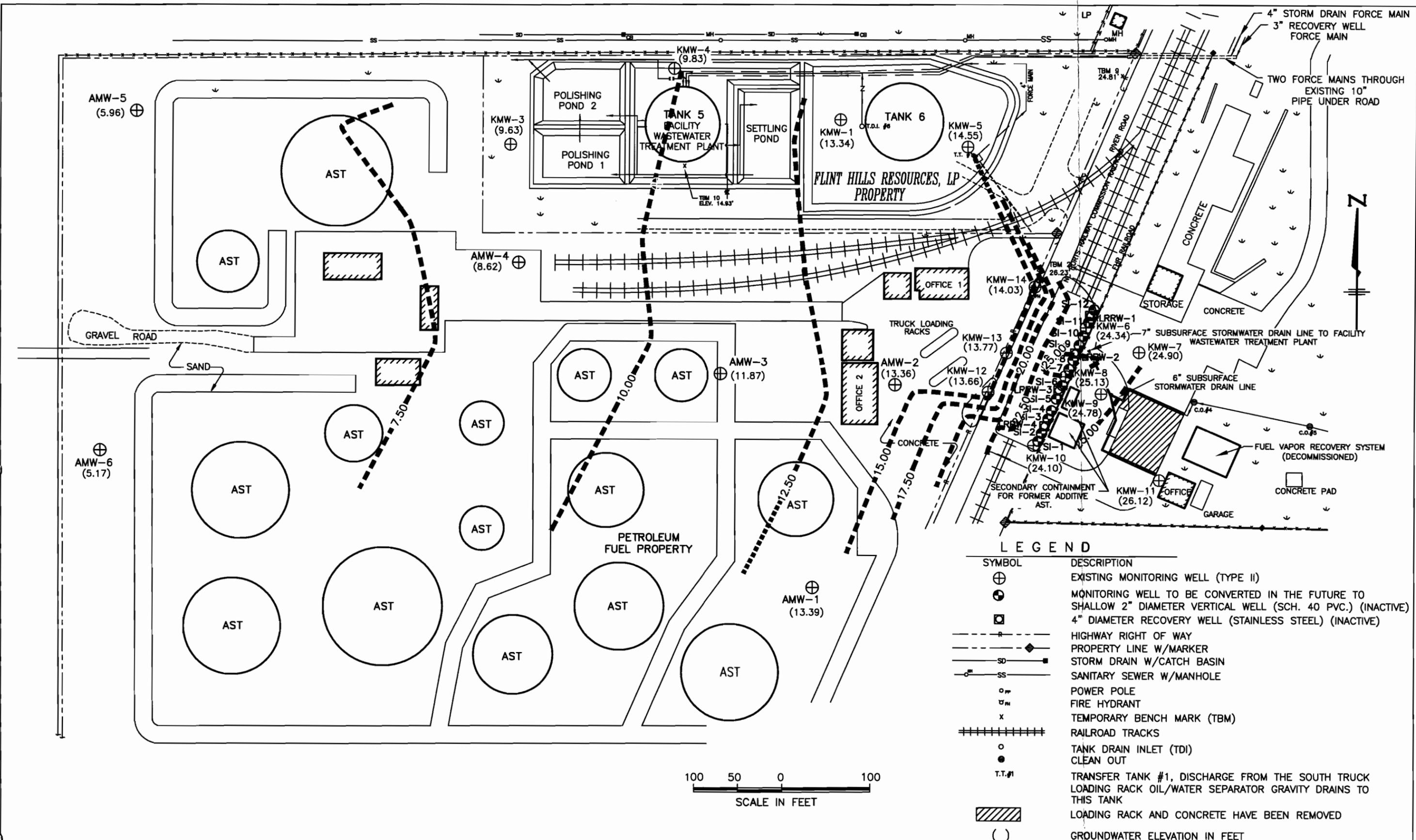
NOTES:

1. ALL WELL LOCATIONS AND ASSOCIATED PIPING SCHEMATICS ILLUSTRATED ARE APPROXIMATE, BASED ON FIELD MEASUREMENTS.
2. *INDICATES NEW ITEM INSTALLED AFTER SUBMITTAL OF THE CAPA.
3. TWBDS = TANK WATER BOTTOM DRAIN SYSTEM PERIODICALLY TANK WATER BOTTOM IS DRAINED TO THE FACILITY WASTEWATER TREATMENT PLANT UNDER THE SUPERVISION OF THE OPERATOR IN RESPONSIBLE CHARGE.
4. DATA PROVIDED FOR NORTH CAROLINA PORTS AUTHORITY PROPERTY WELLS ARE BASED ON CATLIN FIELD MEASUREMENTS.

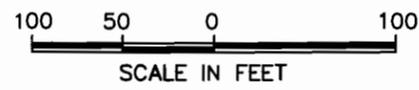


100 0 100
SCALE IN FEET

<p>WILMINGTON, NORTH CAROLINA</p>	<p>PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.</p>	<p>TITLE SURFICIAL GROUNDWATER CONTOURS AT PARAXYLENE FACILITY AS OF FEBRUARY 2004</p>	<p>FIGURE 5</p>
	<p>JOB NO. 201125 DATE: JUNE 2004</p>	<p>SCALE: 1" = 100'</p>	<p>DRAWN BY: WHW CHECKED BY: JKB</p>

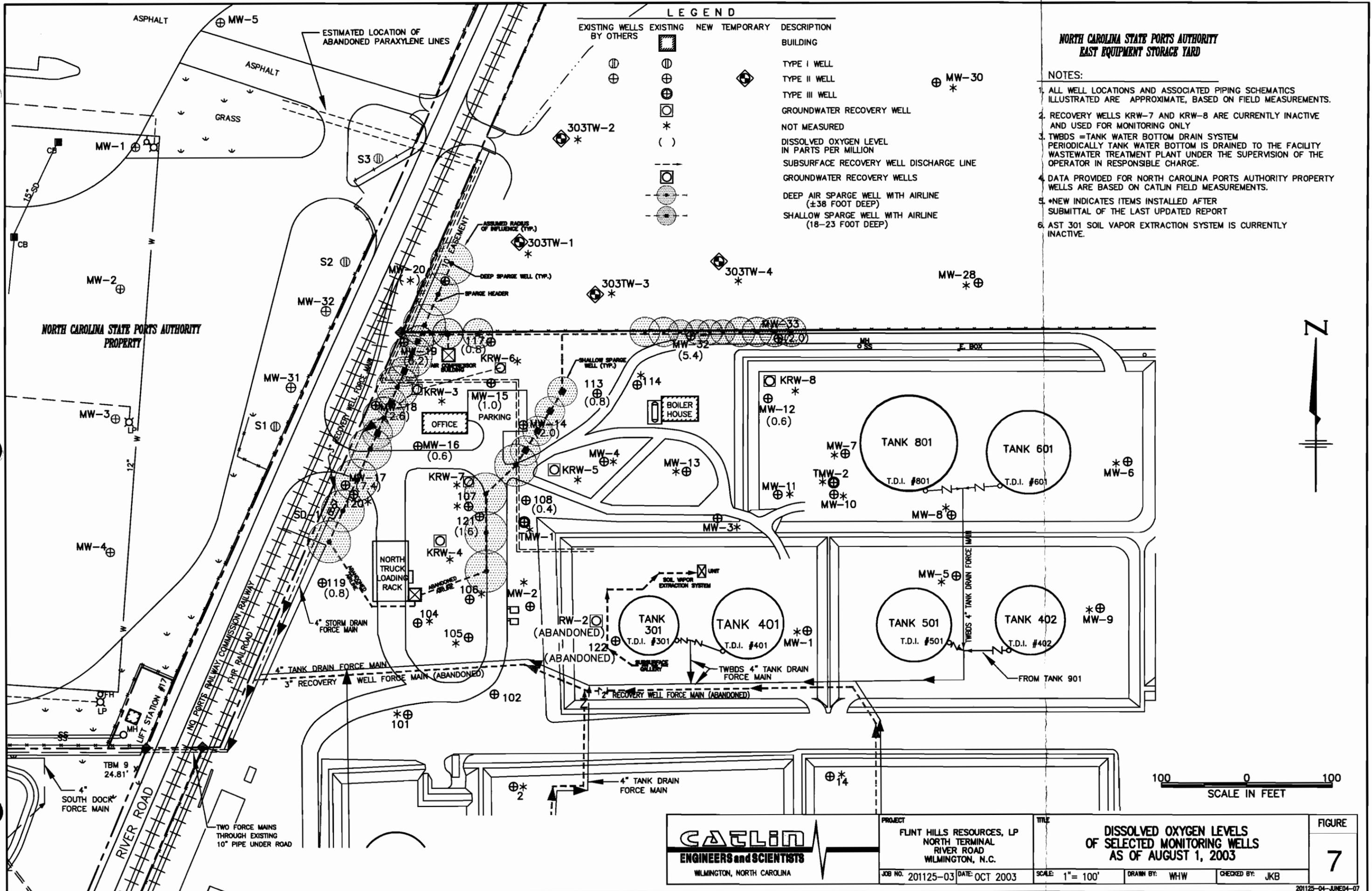


NOTE:
 1. ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS, WITH THE EXCEPTION OF AMW-1 THROUGH AMW-6, ARE BASED ON FIELD MEASUREMENTS.
 AMW-1 THROUGH AMW-6 ARE BASED ON GPS SURVEY LOCATIONS.
 2. PETROLEUM FUEL ASTs AND STRUCTURES BASED ON AERIAL PHOTOGRAPHS.
 3. CONTOUR INTERVAL = 2.50 FEET



LEGEND	
SYMBOL	DESCRIPTION
⊕	EXISTING MONITORING WELL (TYPE II)
⊕	MONITORING WELL TO BE CONVERTED IN THE FUTURE TO SHALLOW 2" DIAMETER VERTICAL WELL (SCH. 40 PVC.) (INACTIVE)
⊕	4" DIAMETER RECOVERY WELL (STAINLESS STEEL) (INACTIVE)
—	HIGHWAY RIGHT OF WAY
—	PROPERTY LINE W/MARKER
SD	STORM DRAIN W/CATCH BASIN
SS	SANITARY SEWER W/MANHOLE
OP	POWER POLE
FM	FIRE HYDRANT
X	TEMPORARY BENCH MARK (TBM)
	RAILROAD TRACKS
○	TANK DRAIN INLET (TDI)
●	CLEAN OUT
T.T.#1	TRANSFER TANK #1, DISCHARGE FROM THE SOUTH TRUCK LOADING RACK OIL/WATER SEPARATOR GRAVITY DRAINS TO THIS TANK
▨	LOADING RACK AND CONCRETE HAVE BEEN REMOVED
()	GROUNDWATER ELEVATION IN FEET

	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE SURFICIAL GROUNDWATER CONTOURS AT LOADING RACK AREA AS OF FEBRUARY 2004	FIGURE 6
	JOB NO. 201-125 DATE: JUNE 2004	SCALE: AS SHOWN DRAWN BY: HCS	CHECKED BY: JKB

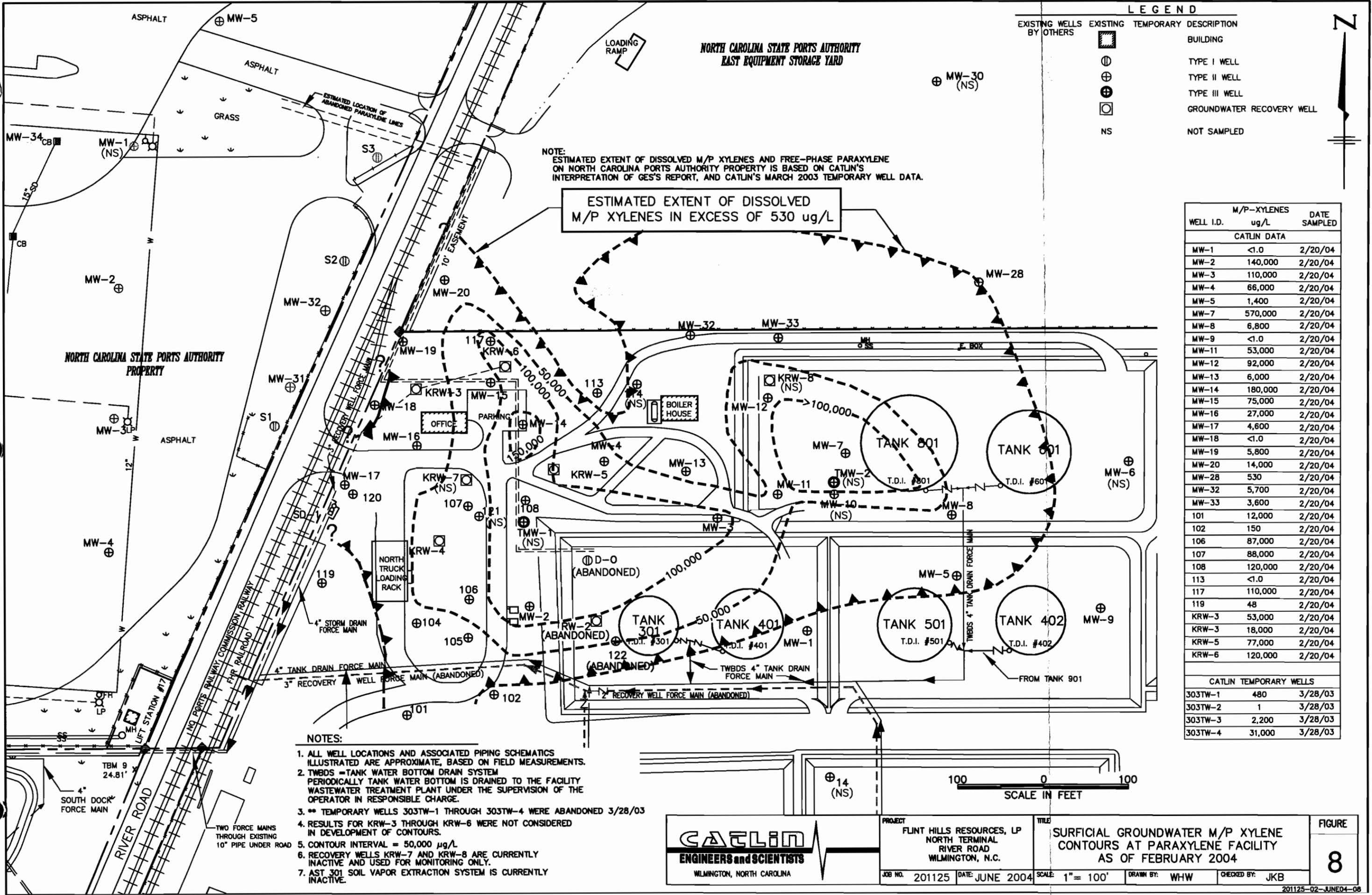


**NORTH CAROLINA STATE PORTS AUTHORITY
EAST EQUIPMENT STORAGE YARD**

NOTES:

- ALL WELL LOCATIONS AND ASSOCIATED PIPING SCHEMATICS ILLUSTRATED ARE APPROXIMATE, BASED ON FIELD MEASUREMENTS.
- RECOVERY WELLS KRW-7 AND KRW-8 ARE CURRENTLY INACTIVE AND USED FOR MONITORING ONLY
- TWBDS = TANK WATER BOTTOM DRAIN SYSTEM PERIODICALLY TANK WATER BOTTOM IS DRAINED TO THE FACILITY WASTEWATER TREATMENT PLANT UNDER THE SUPERVISION OF THE OPERATOR IN RESPONSIBLE CHARGE.
- DATA PROVIDED FOR NORTH CAROLINA STATE PORTS AUTHORITY PROPERTY WELLS ARE BASED ON CATLIN FIELD MEASUREMENTS.
- *NEW INDICATES ITEMS INSTALLED AFTER SUBMITTAL OF THE LAST UPDATED REPORT
- AST 301 SOIL VAPOR EXTRACTION SYSTEM IS CURRENTLY INACTIVE.

<p>CATLIN ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA</p>	<p>PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.</p>	<p>TITLE DISSOLVED OXYGEN LEVELS OF SELECTED MONITORING WELLS AS OF AUGUST 1, 2003</p>	<p>FIGURE 7</p>
	<p>JOB NO. 201125-03 DATE: OCT 2003</p>	<p>SCALE: 1" = 100'</p>	<p>DRAWN BY: WHW CHECKED BY: JKB</p>



LEGEND

EXISTING WELLS BY OTHERS	EXISTING	TEMPORARY	DESCRIPTION
⊕	⊕	⊕	BUILDING
⊕	⊕	⊕	TYPE I WELL
⊕	⊕	⊕	TYPE II WELL
⊕	⊕	⊕	TYPE III WELL
⊕	⊕	⊕	GROUNDWATER RECOVERY WELL
⊕	⊕	⊕	NS
⊕	⊕	⊕	NOT SAMPLED

NOTE: ESTIMATED EXTENT OF DISSOLVED M/P XYLENES AND FREE-PHASE PARAXYLENE ON NORTH CAROLINA PORTS AUTHORITY PROPERTY IS BASED ON CATLIN'S INTERPRETATION OF GES'S REPORT, AND CATLIN'S MARCH 2003 TEMPORARY WELL DATA.

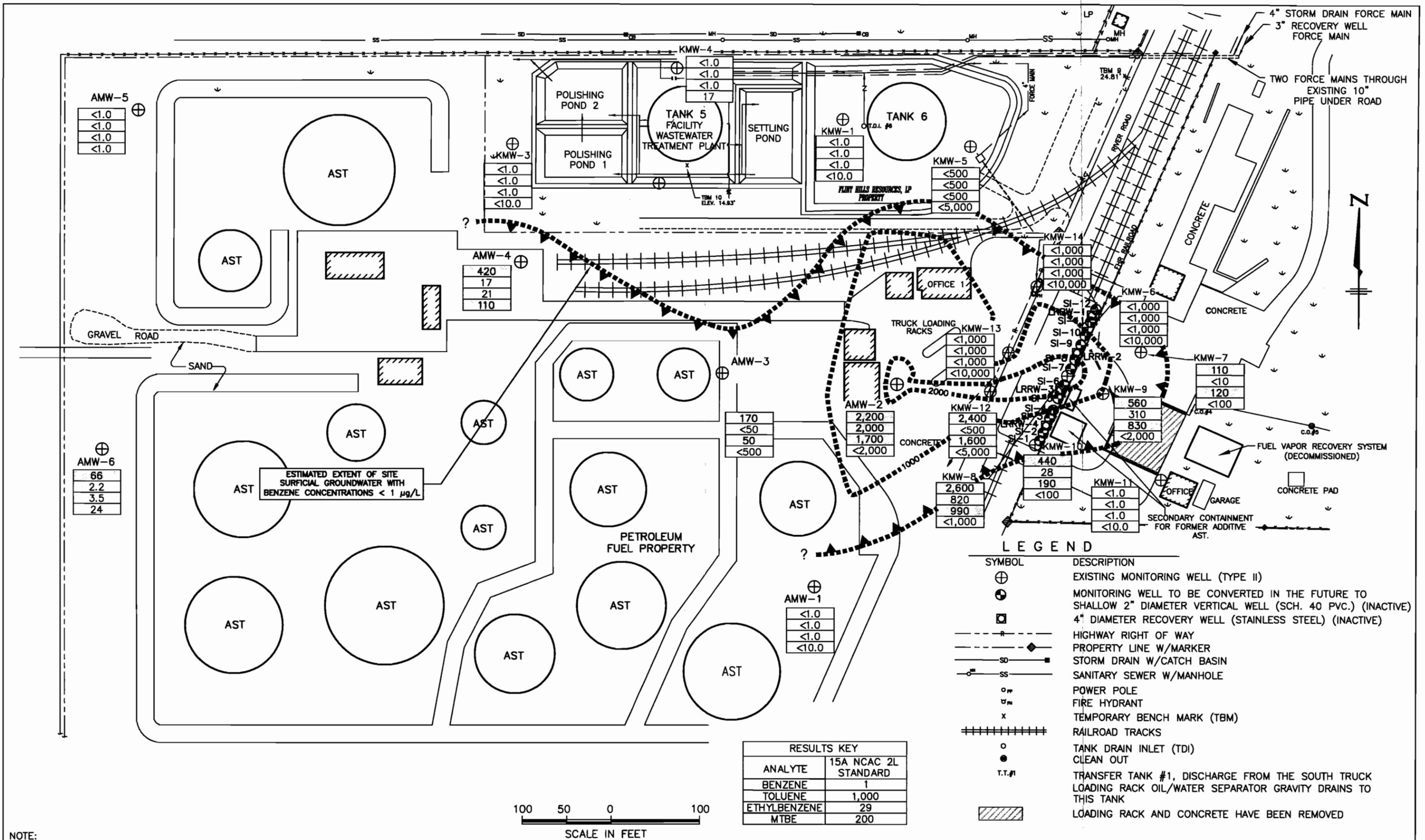
ESTIMATED EXTENT OF DISSOLVED M/P XYLENES IN EXCESS OF 530 ug/L

WELL I.D.	M/P-XYLENES ug/L	DATE SAMPLED
CATLIN DATA		
MW-1	<1.0	2/20/04
MW-2	140,000	2/20/04
MW-3	110,000	2/20/04
MW-4	66,000	2/20/04
MW-5	1,400	2/20/04
MW-7	570,000	2/20/04
MW-8	6,800	2/20/04
MW-9	<1.0	2/20/04
MW-11	53,000	2/20/04
MW-12	92,000	2/20/04
MW-13	6,000	2/20/04
MW-14	180,000	2/20/04
MW-15	75,000	2/20/04
MW-16	27,000	2/20/04
MW-17	4,600	2/20/04
MW-18	<1.0	2/20/04
MW-19	5,800	2/20/04
MW-20	14,000	2/20/04
MW-28	530	2/20/04
MW-32	5,700	2/20/04
MW-33	3,600	2/20/04
101	12,000	2/20/04
102	150	2/20/04
106	87,000	2/20/04
107	88,000	2/20/04
108	120,000	2/20/04
113	<1.0	2/20/04
117	110,000	2/20/04
119	48	2/20/04
KRW-3	53,000	2/20/04
KRW-3	18,000	2/20/04
KRW-5	77,000	2/20/04
KRW-6	120,000	2/20/04
CATLIN TEMPORARY WELLS		
303TW-1	480	3/28/03
303TW-2	1	3/28/03
303TW-3	2,200	3/28/03
303TW-4	31,000	3/28/03

- NOTES:**
- ALL WELL LOCATIONS AND ASSOCIATED PIPING SCHEMATICS ILLUSTRATED ARE APPROXIMATE, BASED ON FIELD MEASUREMENTS.
 - TWBDS = TANK WATER BOTTOM DRAIN SYSTEM PERIODICALLY TANK WATER BOTTOM IS DRAINED TO THE FACILITY WASTEWATER TREATMENT PLANT UNDER THE SUPERVISION OF THE OPERATOR IN RESPONSIBLE CHARGE.
 - ** TEMPORARY WELLS 303TW-1 THROUGH 303TW-4 WERE ABANDONED 3/28/03
 - RESULTS FOR KRW-3 THROUGH KRW-6 WERE NOT CONSIDERED IN DEVELOPMENT OF CONTOURS.
 - CONTOUR INTERVAL = 50,000 ug/L
 - RECOVERY WELLS KRW-7 AND KRW-8 ARE CURRENTLY INACTIVE AND USED FOR MONITORING ONLY.
 - AST 301 SOIL VAPOR EXTRACTION SYSTEM IS CURRENTLY INACTIVE.

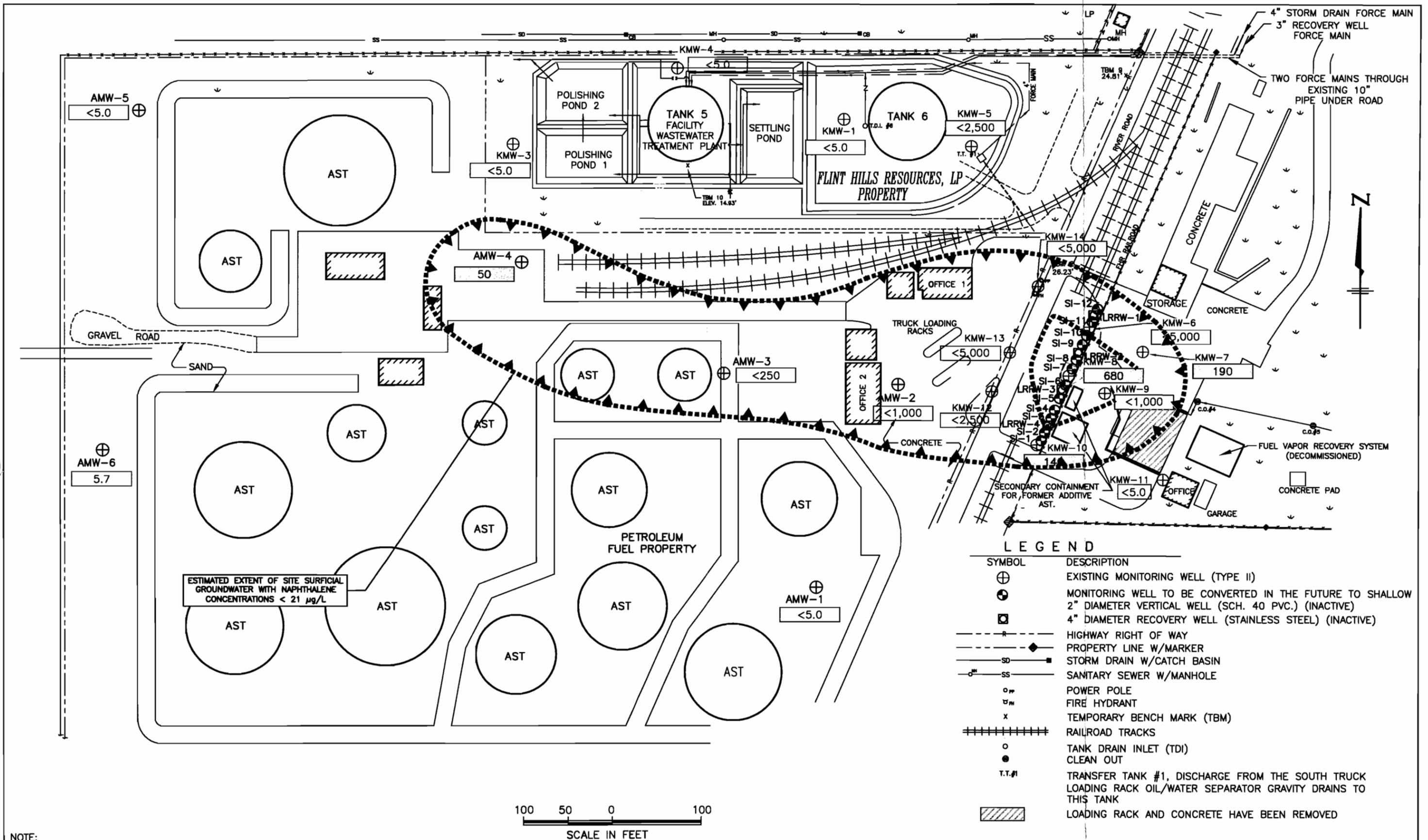


<p>CATLIN ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA</p>	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE SURFICIAL GROUNDWATER M/P XYLENE CONTOURS AT PARAXYLENE FACILITY AS OF FEBRUARY 2004	FIGURE 8
	JOB NO. 201125 DATE: JUNE 2004 SCALE: 1" = 100'	DRAWN BY: WHW CHECKED BY: JKB	201125-02-JUNE04-08



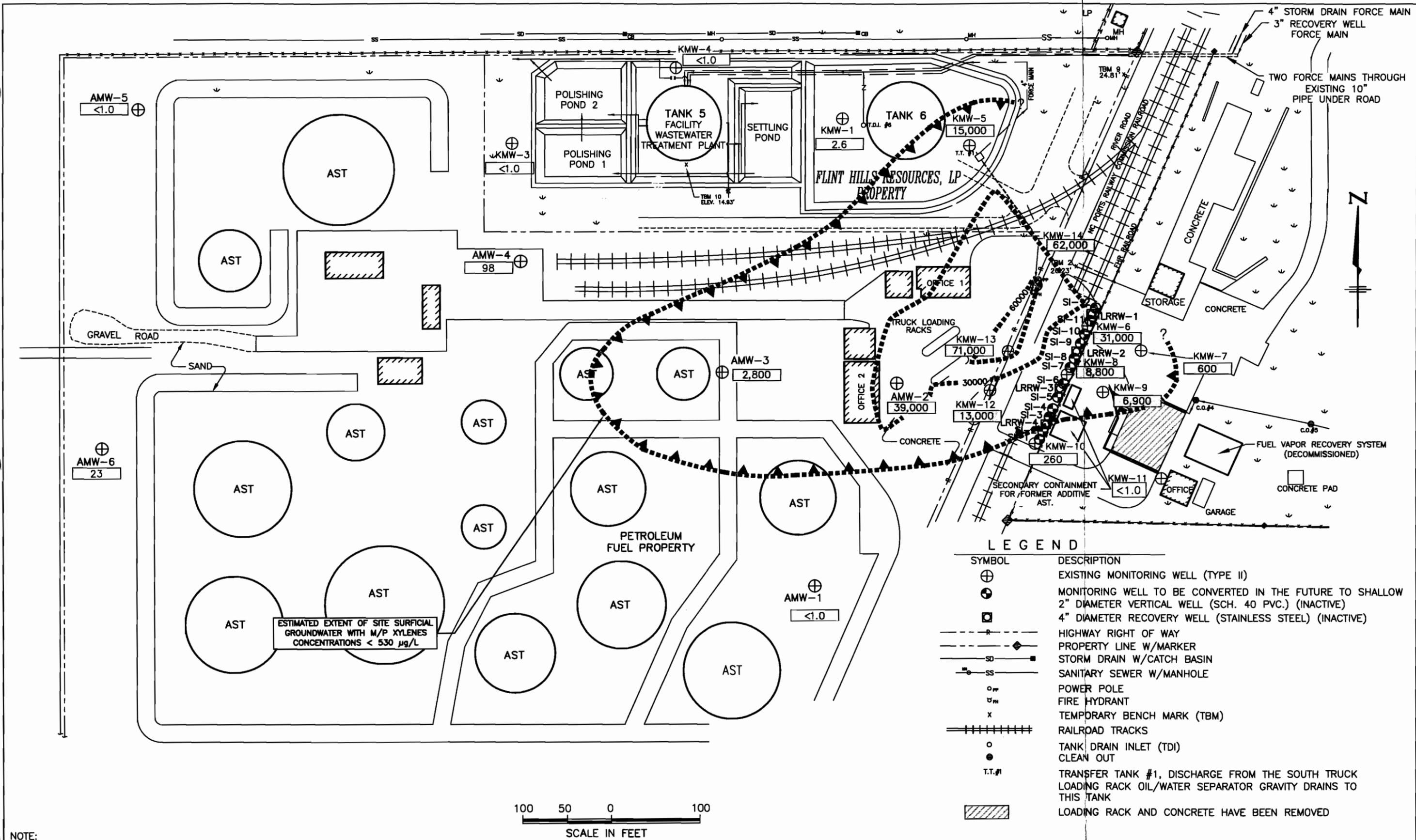
- NOTE:**
- ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS, WITH THE EXCEPTION OF AMW-1 THROUGH AMW-6, ARE BASED ON FIELD MEASUREMENTS. AMW-1 THROUGH AMW-6 ARE BASED ON GPS SURVEY LOCATIONS.
 - PETROLEUM FUEL ASTs AND STRUCTURES BASED ON AERIAL PHOTOGRAPHS.
 - CONTOUR INTERVAL = 1,000 µg/L.
 - ALL RESULTS IN µg/L.
 - SHADED CONCENTRATIONS EXCEED CORRESPONDING 2L STANDARD.

 ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE SURFICIAL GROUNDWATER BTE AND MTBE DATA AT LOADING RACK AREA AS OF FEBRUARY 2004	FIGURE 9
	JOB NO. 201125 DATE: JUNE 2004	SCALE: AS SHOWN DRAWN BY: HCS CHECKED BY: JKB	201125-02-JUN04-08



- NOTE:
1. ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS, WITH THE EXCEPTION OF AMW-1 THROUGH AMW-6, ARE BASED ON FIELD MEASUREMENTS. AMW-1 THROUGH AMW-6 ARE BASED ON GPS SURVEY LOCATIONS.
 2. PETROLEUM FUEL ASTs AND STRUCTURES BASED ON AERIAL PHOTOGRAPHS.
 3. CONTOUR INTERVAL = 300 µg/L.
 4. ALL RESULTS IN µg/L.
 5. SHADED CONCENTRATIONS EXCEED CORRESPONDING 2L STANDARD.

 ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE SURFICIAL GROUNDWATER NAPHTHALENE DATA AT LOADING RACK AREA AS OF FEBRUARY 2004	FIGURE 10
	JOB NO. 201-125 DATE: JUNE 2004	SCALE: AS SHOWN	DRAWN BY: HCS



- NOTE:
1. ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS, WITH THE EXCEPTION OF AMW-1 THROUGH AMW-6, ARE BASED ON FIELD MEASUREMENTS. AMW-1 THROUGH AMW-6 ARE BASED ON GPS SURVEY LOCATIONS.
 2. PETROLEUM FUEL ASTs AND STRUCTURES BASED ON AERIAL PHOTOGRAPHS.
 3. CONTOUR INTERVAL = 30,000 µg/L.
 4. ALL RESULTS IN µg/L.
 5. SHADED CONCENTRATIONS EXCEED CORRESPONDING 2L STANDARD.

 CAELIN ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE SURFICIAL GROUNDWATER M/P XYLENES DATA AT LOADING RACK AREA AS OF FEBRUARY 2004	FIGURE 11
	JOB NO. 201125 DATE: JUNE 2004	SCALE: AS SHOWN DRAWN BY: HCS CHECKED BY: JKB	201125-02-JUN04-11

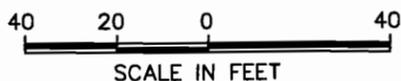
SOIL BORING ID	OVA READINGS BY DEPTH (FEET BLS)			
	0-1	1-2	2-3	3-4
B1	9.2	36	1	--
B2	600	120	100	--
B3	300	580	--	--
B4	>1,000	>1,000	>1,000	--
B5	700	220	--	--
B6	42	34	320	--
B7	130	300	>1,000	--
B8	>1,000	>1,000	>1,000	--
B9	>1,000	64	>1,000	>1,000
B10	9.6	600	>1,000	--
B11	22	>1,000	>1,000	>1,000
B12	>1,000	>1,000	520	--
B13	2.0	200	60	--
B14	3.8	4.2	--	--

-- Sample not collected from this interval.
 Maximum depth represents the first interval with saturated soil conditions.
 All results in parts per million.
 All samples collected on January 12, 2004.

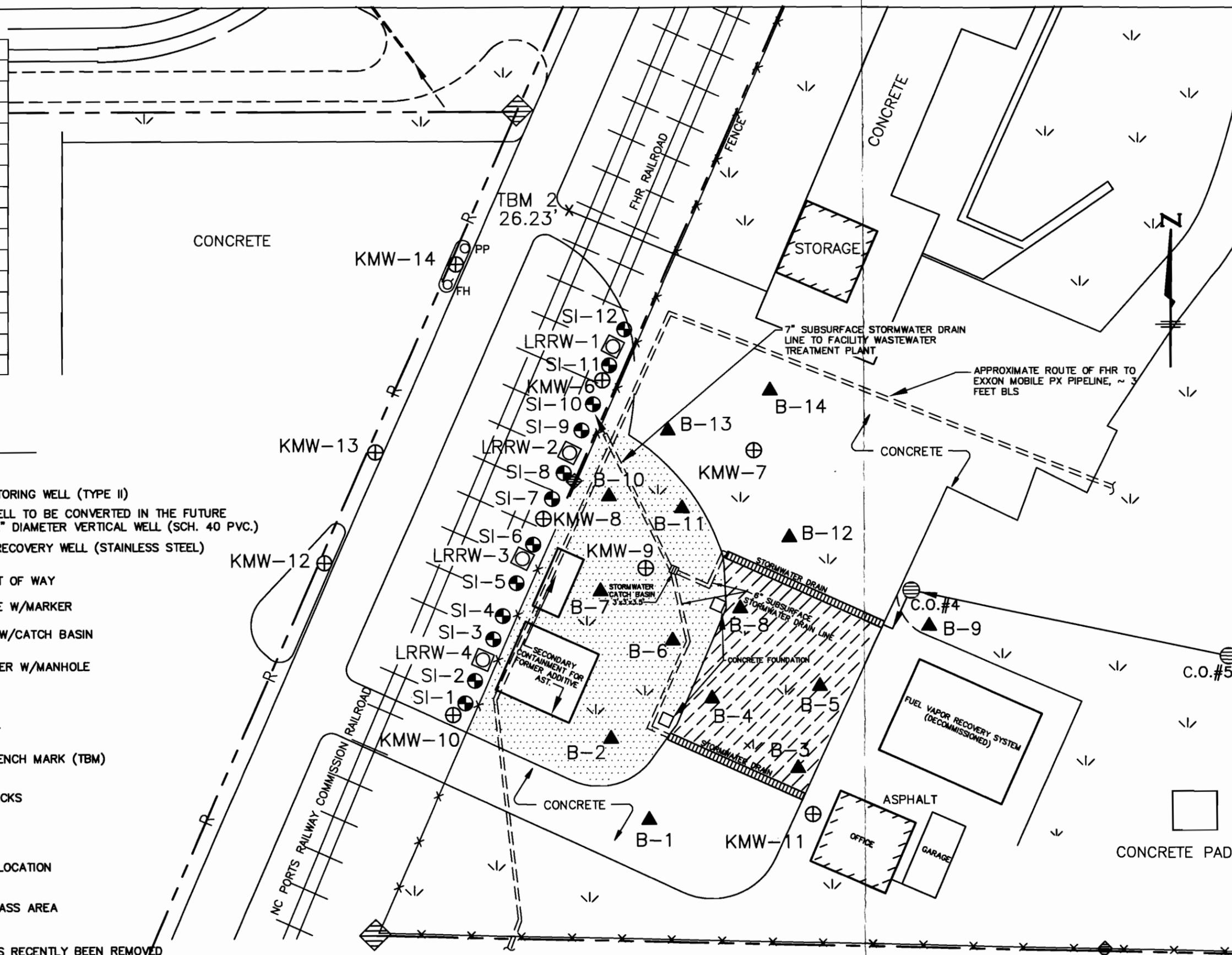
LEGEND

SYMBOL	DESCRIPTION
⊕	EXISTING MONITORING WELL (TYPE II)
⊙	MONITORING WELL TO BE CONVERTED IN THE FUTURE TO SHALLOW 2" DIAMETER VERTICAL WELL (SCH. 40 PVC.)
⊠	4" DIAMETER RECOVERY WELL (STAINLESS STEEL)
—R—	HIGHWAY RIGHT OF WAY
—◇—	PROPERTY LINE W/MARKER
—SD—	STORM DRAIN W/CATCH BASIN
—MH—	SANITARY SEWER W/MANHOLE
○ PP	POWER POLE
⊕ FH	FIRE HYDRANT
X	TEMPORARY BENCH MARK (TBM)
	RAILROAD TRACKS
⊙	CLEAN OUT
▲	SOIL SAMPLE LOCATION
⋯	SAND AND GRASS AREA
▨	CONCRETE HAS RECENTLY BEEN REMOVED FROM THIS AREA AS OF 12/15/03

NOTE:
 1. ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.



 Caelin ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE ORGANIC VAPOR ANALYZER SOIL RESULTS FOR LOADING RACK AREA ON JANUARY 12, 2004	FIGURE 12
	JOB NO. 201-125 DATE: JUNE 2004	SCALE: 1" = 40'	DRAWN BY: HCS



Sample ID	Contaminant of Concern		TPH Diesel per EPA 3545/8015 (mg/kg)	TPH Gas per EPA Method 8015 (mg/kg)
	Date Collected	Sample Depth (ft. BGS)	Diesel Fuel	Gasoline
STATE ACTION LEVEL			40	10
B2 (0-1')	1/12/2004	0-1	10	28
B2 (1-2')	1/12/2004	1-2	3,700	92
B2 (2-3')	1/12/2004	2-3	440	60
B3 (0-1')	1/12/2004	0-1	2,400	700
B3 (1-2')	1/12/2004	1-2	2,600	1,000
B4 (0-1')	1/12/2004	0-1	6,100	3,600
B4 (1-2')	1/12/2004	1-2	3,200	6,900
B4 (2-3')	1/12/2004	2-3	2,700	3,700
B6 (0-1')	1/12/2004	0-1	<5.8	<6.9
B6 (1-2')	1/12/2004	1-2	<6.0	<7.2
B6 (2-3')	1/12/2004	2-3	56	61
B7 (0-1')	1/12/2004	0-1	8.1	<6.8
B7 (1-2')	1/12/2004	1-2	21	<7.1

TPH Total Petroleum Hydrocarbons
 NM Not measured
 PPM Parts per million

Sample ID	Contaminant of Concern		TPH Diesel per EPA 3545/8015 (mg/kg)	TPH Gas per EPA Method 8015 (mg/kg)
	Date Collected	Sample Depth (ft. BGS)	Diesel Fuel	Gasoline
STATE ACTION LEVEL			40	10
B7 (2-3')	1/12/2004	2-3	860	280
B8 (0-1')	1/12/2004	0-1	8,200	3,100
B8 (1-2')	1/12/2004	1-2	6,000	2,500
B8 (2-3')	1/12/2004	2-3	5,800	8,700
B9 (0-1')	1/12/2004	0-1	20	<7.0
B9 (1-2')	1/12/2004	1-2	<5.8	<6.9
B9 (2-3')	1/12/2004	2-3	<6.3	<7.5
B12 (0-1')	1/12/2004	0-1	10,000	960
B12 (1-2')	1/12/2004	1-2	3,000	750
B12 (2-3')	1/12/2004	2-3	1,800	840
B13 (0-1')	1/12/2004	0-1	15	<7.4
B13 (1-2')	1/12/2004	1-2	<6.6	<7.9
B13 (2-3')	1/12/2004	2-3	<6.6	<7.9

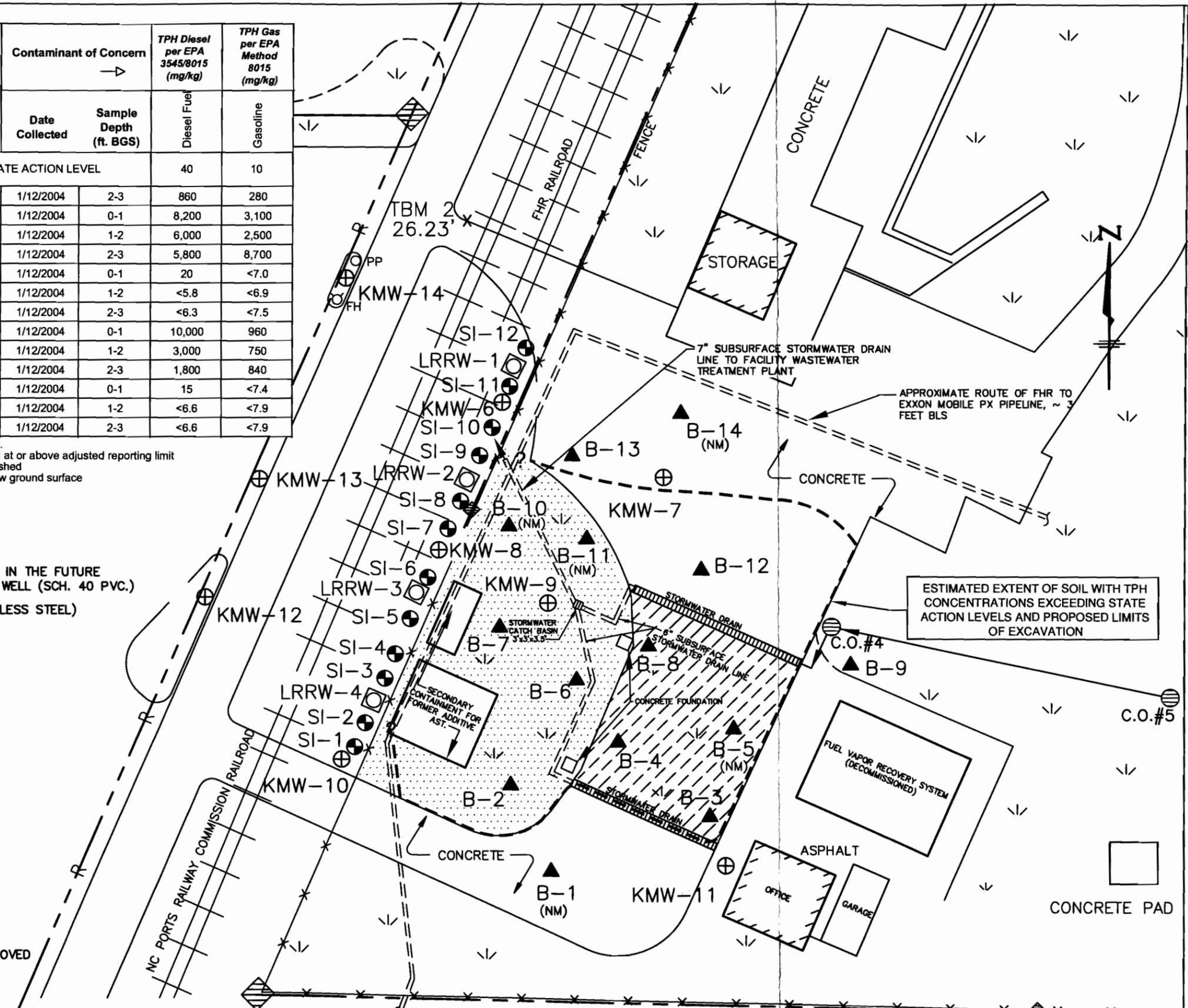
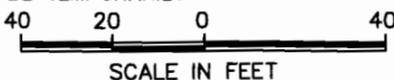
All results in mg/kg.
 ND = Not Detected at or above adjusted reporting limit
 NE = None Established
 ft. BGS = feet below ground surface

LEGEND

SYMBOL	DESCRIPTION
⊕	EXISTING MONITORING WELL (TYPE II)
⊕	MONITORING WELL TO BE CONVERTED IN THE FUTURE TO SHALLOW 2" DIAMETER VERTICAL WELL (SCH. 40 PVC.)
⊕	4" DIAMETER RECOVERY WELL (STAINLESS STEEL)
R	HIGHWAY RIGHT OF WAY
—◆—	PROPERTY LINE W/MARKER
SD	STORM DRAIN W/CATCH BASIN
SS	SANITARY SEWER W/MANHOLE
PP	POWER POLE
FH	FIRE HYDRANT
X	TEMPORARY BENCH MARK (TBM)
—+—+—+—	RAILROAD TRACKS
⊖	CLEAN OUT
▲	SOIL SAMPLE LOCATION
▽	SAND AND GRASS AREA
▨	CONCRETE HAS RECENTLY BEEN REMOVED FROM THIS AREA AS OF 12/15/03

NOTE:

- ALL EXISTING MONITORING AND RECOVERY WELL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
- ACTUAL EXCAVATION LIMITS WILL BE ESTABLISHED BY FIELD SCREENING RESULTS.
- BASED ON TPH AND OVA DATA, THE UPPER 2 TO 3 FEET OF THE SAND AND GRASS AREA (APPROXIMATELY 7998 SQUARE FEET) WILL LIKELY NOT REQUIRE EX-SITU TREATMENT. THIS MATERIAL WILL BE TEMPORARILY STOCKPILED IN ORDER TO TREAT SOIL AND GROUNDWATER BELOW THIS CLEAN LAYER.
- THE APPROXIMATE AREA OF PROPOSED EXCAVATION LIMITS IS 16,450 SQUARE FEET.
- THE AVERAGE DEPTH OF EXCAVATION IS 3.5 FEET.



CAELIN ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	PROJECT FLINT HILLS RESOURCES, LP NORTH TERMINAL RIVER ROAD WILMINGTON, N.C.	TITLE TOTAL PETROLEUM HYDROCARBON SOIL RESULTS FOR LOADING RACK AREA ON JANUARY 12, 2004	FIGURE 13
	JOB NO. 201-125 DATE: JUNE 2004 SCALE: 1"=40'	DRAWN BY: HCS CHECKED BY: JKB	201125-02-JUNE04-13

APPENDIX A
LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS



FILE COPY

Pace Analytical Services, Inc.
9800 Kinsey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

January 06, 2004

Mr. Steve Tyler
Catlin Engineers & Scientist
220 Old Dairy Road
P.O. Box 10279
Wilmington, NC 28405

RE: Lab Project Number: 9256329
Client Project ID: Apex/201-125

Dear Mr. Tyler:

Enclosed are the analytical results for sample(s) received by the laboratory on December 23, 2003. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Sherrri Stabel
Sherrri.Stabel@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Shelville Certification IDs

- Wastewater 40
 - Drinking Water 37712
 - Environmental 99030
- NCI AD 097649



Charlotte Certification IDs

- NC Wastewater 12
 - NC Drinking Water 37706
 - SC 99006
- FI NCI AD ER7627

Lab Project Number: 9256329

Client Project ID: Apex/201-125

Lab Sample No: 923661391
Client Sample ID: AMW-1

Project Sample Number: 9256329-001
Matrix: Water

Date Collected: 12/22/03 11:45
Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260, low level Method: EPA 8260									
Benzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	71-43-2		
Bromobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	108-86-1		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-27-4		
Bromoform	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-25-2		
Bromomethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	74-83-9		
n-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	104-51-8		
sec-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	135-98-8		
tert-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	98-06-6		
Carbon tetrachloride	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	56-23-5		
Chlorobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	108-90-7		
Chloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-00-3		
Chloroform	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	67-66-3		
Chloromethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	74-87-3		
2-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	95-49-8		
4-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	106-93-4		
Dibromomethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	563-58-6		
Diisopropyl ether	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	108-20-3		
Ethylbenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	98-82-8		

Date: 01/06/04

Page: 1 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006





Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9256329
 Client Project ID: Apex/201-125

Lab Sample No: 923661391 Project Sample Number: 9256329-001 Date Collected: 12/22/03 11:45
 Client Sample ID: AMW-1 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
p-Isopropyltoluene	2.2	ug/l	1.0	1.0	01/01/04 10:42	RWS	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	01/01/04 10:42	RWS	75-09-2		
Methyl-tert-butyl ether	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	1634-04-4		
Naphthalene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	91-20-3		
n-Propylbenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	103-65-1		
Styrene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	127-18-4		
Toluene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	79-00-5		
Trichloroethene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	96-18-4		
1,2,4-Trimethylbenzene	3.6	ug/l	1.0	1.0	01/01/04 10:42	RWS	95-63-6		
1,3,5-Trimethylbenzene	2.7	ug/l	1.0	1.0	01/01/04 10:42	RWS	108-67-8		
Vinyl chloride	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	75-01-4		
Xylene (Total)	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	1.0	01/01/04 10:42	RWS			
o-Xylene	ND	ug/l	1.0	1.0	01/01/04 10:42	RWS	95-47-6		
Toluene-d8 (S)	87	x		1.0	01/01/04 10:42	RWS	2037-26-5		
4-Bromofluorobenzene (S)	102	x		1.0	01/01/04 10:42	RWS	460-00-4		
Dibromofluoromethane (S)	101	x		1.0	01/01/04 10:42	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	x		1.0	01/01/04 10:42	RWS	17060-07-0		

Date: 01/06/04

Page: 2 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs

NC Wastewater 12
 NC Drinking Water 37706
 SC 99006



Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712



Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9256329
 Client Project ID: Apex/201-125

Lab Sample No: 923661409 Project Sample Number: 9256329-002 Date Collected: 12/22/03 12:45
 Client Sample ID: AMW-2 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260, low level Method: EPA 8260									
Benzene	1700	ug/l	500	500	01/01/04 13:22	RWS	71-43-2		
Bromobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	108-86-1		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-27-4		
Bromoform	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-25-2		
Bromomethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	74-83-9		
n-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	104-51-8		
sec-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	135-98-8		
tert-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	98-06-6		
Carbon tetrachloride	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	56-23-5		
Chlorobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	108-90-7		
Chloroethane	1.3	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-00-3		
Chloroform	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	67-66-3		
Chloromethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	74-87-3		
2-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	95-49-8		
4-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	106-93-4		
Dibromomethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	563-58-6		
Diisopropyl ether	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	108-20-3		
Ethylbenzene	1400	ug/l	500	500	01/01/04 13:22	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	87-68-3		
Isopropylbenzene (Cumene)	130	ug/l	1.0	1.0	01/01/04 13:22	RWS	98-82-8	1	

Date: 01/06/04

Page: 3 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 CC Environmental 00020

Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006



Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661409 Project Sample Number: 9256329-002 Date Collected: 12/22/03 12:45
Client Sample ID: AMW-2 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
p-Isopropyltoluene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	01/01/04 13:22	RWS	75-09-2		
Methyl-tert-butyl ether	300	ug/l	1.0	1.0	01/01/04 13:22	RWS	1634-04-4	1	
Naphthalene	660	ug/l	500	500	01/01/04 13:22	RWS	91-20-3		
n-Propylbenzene	390	ug/l	1.0	1.0	01/01/04 13:22	RWS	103-65-1	1	
Styrene	3.9	ug/l	1.0	1.0	01/01/04 13:22	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	127-18-4		
Toluene	1100	ug/l	500	500	01/01/04 13:22	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	79-00-5		
Trichloroethene	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	96-18-4		
1,2,4-Trimethylbenzene	2500	ug/l	500	500	01/01/04 13:22	RWS	95-63-6		
1,3,5-Trimethylbenzene	710	ug/l	500	500	01/01/04 13:22	RWS	108-67-8		
Vinyl chloride	ND	ug/l	1.0	1.0	01/01/04 13:22	RWS	75-01-4		
Xylene (Total)	28000	ug/l	1.0	1.0	01/01/04 13:22	RWS	1330-20-7		
m&p-Xylene	55C 27000	ug/l	1000	500	01/01/04 13:22	RWS			
o-Xylene	680	ug/l	500	500	01/01/04 13:22	RWS	95-47-6		
Toluene-d8 (S)	76	μ		1.0	01/01/04 13:22	RWS	2037-26-5		
4-Bromofluorobenzene (S)	103	μ		1.0	01/01/04 13:22	RWS	460-00-4		
Dibromofluoromethane (S)	116	μ		1.0	01/01/04 13:22	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	161	μ		1.0	01/01/04 13:22	RWS	17060-07-0	2	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661417 Project Sample Number: 9256329-003 Date Collected: 12/22/03 12:30
Client Sample ID: AMW-3 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

GC/MS Volatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS VOCs by 8260, low level Method: EPA 8260									
Benzene	220	ug/l	20.	20.0	01/01/04 12:18	RWS	71-43-2		
Bromobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	108-86-1		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-27-4		
Bromoform	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-25-2		
Bromomethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	74-83-9		
n-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	104-51-8		
sec-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	135-98-8		
tert-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	98-06-6		
Carbon tetrachloride	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	56-23-5		
Chlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	108-90-7		
Chloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-00-3		
Chloroform	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	67-66-3		
Chloromethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	74-87-3		
2-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	95-49-8		
4-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	106-93-4		
Dibromomethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	563-58-6		
Diisopropyl ether	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	108-20-3		
Ethylbenzene	30.	ug/l	1.0	1.0	01/01/04 12:18	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	87-68-3		
Isopropylbenzene (Cumene)	25.	ug/l	1.0	1.0	01/01/04 12:18	RWS	98-82-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
NC Environmental 00020

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661417 Project Sample Number: 9256329-003 Date Collected: 12/22/03 12:30
Client Sample ID: AMW-3 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
p-Isopropyltoluene	7.2 [±]	ug/l	1.0	1.0	01/01/04 12:18	RWS	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	01/01/04 12:18	RWS	75-09-2		
Methyl-tert-butyl ether	10.	ug/l	1.0	1.0	01/01/04 12:18	RWS	1634-04-4		
Naphthalene	56.	ug/l	20.	20.0	01/01/04 12:18	RWS	91-20-3		
n-Propylbenzene	39.	ug/l	20.	20.0	01/01/04 12:18	RWS	103-65-1		
Styrene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	127-18-4		
Toluene	12.	ug/l	1.0	1.0	01/01/04 12:18	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	79-00-5		
Trichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	96-18-4		
1,2,4-Trimethylbenzene	89.	ug/l	20.	20.0	01/01/04 12:18	RWS	95-63-6		
1,3,5-Trimethylbenzene	23.	ug/l	1.0	1.0	01/01/04 12:18	RWS	108-67-8		
Vinyl chloride	ND	ug/l	1.0	1.0	01/01/04 12:18	RWS	75-01-4		
Xylene (Total)	1600	ug/l	1.0	1.0	01/01/04 12:18	RWS	1330-20-7		
m&p-Xylene	1600	ug/l	40.	20.0	01/01/04 12:18	RWS			
o-Xylene	8.5	ug/l	1.0	1.0	01/01/04 12:18	RWS	95-47-6		
Toluene-d8 (S)	97	x		1.0	01/01/04 12:18	RWS	2037-26-5		
4-Bromofluorobenzene (S)	90	x		1.0	01/01/04 12:18	RWS	460-00-4		
Dibromofluoromethane (S)	98	x		1.0	01/01/04 12:18	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	x		1.0	01/01/04 12:18	RWS	17060-07-0		

Date: 01/06/04

Page: 6 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661425 Project Sample Number: 9256329-004 Date Collected: 12/22/03 12:15
Client Sample ID: AMW-4 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
GC/MS VOCs by 8260, low level Method: EPA 8260									
Benzene	200	ug/l	10.	10.0	01/01/04 12:50	RWS	71-43-2		
Bromobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	108-86-1		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-27-4		
Bromoform	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-25-2		
Bromomethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	74-83-9		
n-Butylbenzene	15.	ug/l	1.0	1.0	01/01/04 12:50	RWS	104-51-8		
sec-Butylbenzene	18.	ug/l	1.0	1.0	01/01/04 12:50	RWS	135-98-8		
tert-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	98-06-6		
Carbon tetrachloride	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	56-23-5		
Chlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	108-90-7		
Chloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-00-3		
Chloroform	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	67-66-3		
Chloromethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	74-87-3		
2-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	95-49-8		
4-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	96-12-8		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	106-93-4		
Dibromomethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	563-58-6		
Diisopropyl ether	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	108-20-3		
Ethylbenzene	11.	ug/l	1.0	1.0	01/01/04 12:50	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	87-68-3		
Isopropylbenzene (Cumene)	14.	ug/l	1.0	1.0	01/01/04 12:50	RWS	98-82-8		

Date: 01/06/04

Page: 7 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Asheville Certification IDs
VC Wastewater 40
VC Drinking Water 37712
VC Environmental 99030

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661425 Project Sample Number: 9256329-004 Date Collected: 12/22/03 12:15
Client Sample ID: AMW-4 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
p-Isopropyltoluene	36.	ug/l	1.0	1.0	01/01/04 12:50	RWS	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	01/01/04 12:50	RWS	75-09-2		
Methyl-tert-butyl ether	240	ug/l	10.	10.0	01/01/04 12:50	RWS	1634-04-4		
Naphthalene	26.	ug/l	1.0	1.0	01/01/04 12:50	RWS	91-20-3		
n-Propylbenzene	26.	ug/l	1.0	1.0	01/01/04 12:50	RWS	103-65-1		
Styrene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	127-18-4		
Toluene	2.8	ug/l	1.0	1.0	01/01/04 12:50	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	79-00-5		
Trichloroethene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	96-18-4		
1,2,4-Trimethylbenzene	140	ug/l	10.	10.0	01/01/04 12:50	RWS	95-63-6		
1,3,5-Trimethylbenzene	110	ug/l	10.	10.0	01/01/04 12:50	RWS	108-67-8		
Vinyl chloride	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	75-01-4		
Xylene (Total)	68.	ug/l	1.0	1.0	01/01/04 12:50	RWS	1330-20-7		
m&p-Xylene	68.	ug/l	2.0	1.0	01/01/04 12:50	RWS			
o-Xylene	ND	ug/l	1.0	1.0	01/01/04 12:50	RWS	95-47-6		
Toluene-d8 (S)	111	x		1.0	01/01/04 12:50	RWS	2037-26-5		
4-Bromofluorobenzene (S)	78	x		1.0	01/01/04 12:50	RWS	460-00-4		
Dibromofluoromethane (S)	101	x		1.0	01/01/04 12:50	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	x		1.0	01/01/04 12:50	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.





Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9256329
 Client Project ID: Apex/201-125

Lab Sample No: 923661433 Project Sample Number: 9256329-005 Date Collected: 12/22/03 11:00
 Client Sample ID: AMW-5 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260, low level Method: EPA 8260									
Benzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	71-43-2		
Bromobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	108-86-1		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-27-4		
Bromoform	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-25-2		
Bromomethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	74-83-9		
n-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	104-51-8		
sec-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	135-98-8		
tert-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	98-06-6		
Carbon tetrachloride	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	56-23-5		
Chlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	108-90-7		
Chloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-00-3		
Chloroform	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	67-66-3		
Chloromethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	74-87-3		
2-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	95-49-8		
4-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	106-93-4		
Dibromomethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	563-58-6		
Diisopropyl ether	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	108-20-3		
Ethylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	98-82-8		

Date: 01/06/04

Page: 9 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.



Charlotte Certification IDs

NC Wastewater 12
 NC Drinking Water 37706
 SC 99006

Asheville Certification IDs

NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030

Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661433 Project Sample Number: 9256329-005 Date Collected: 12/22/03 11:00
Client Sample ID: AMW-5 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
p-Isopropyltoluene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	01/01/04 11:14	RWS	75-09-2		
Methyl-tert-butyl ether	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	1634-04-4		
Naphthalene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	91-20-3		
n-Propylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	103-65-1		
Styrene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	127-18-4		
Toluene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	79-00-5		
Trichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	108-67-8		
Vinyl chloride	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	75-01-4		
Xylene (Total)	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	1.0	01/01/04 11:14	RWS			
o-Xylene	ND	ug/l	1.0	1.0	01/01/04 11:14	RWS	95-47-6		
Toluene-d8 (S)	81	x		1.0	01/01/04 11:14	RWS	2037-26-5		
4-Bromofluorobenzene (S)	91	x		1.0	01/01/04 11:14	RWS	460-00-4		
Dibromofluoromethane (S)	112	x		1.0	01/01/04 11:14	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	107	x		1.0	01/01/04 11:14	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661441 Project Sample Number: 9256329-006 Date Collected: 12/22/03 11:15
Client Sample ID: AMW-6 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
GC/MS VOCs by 8260, low level Method: EPA 8260									
Benzene	76.	ug/l	5.0	5.0	01/01/04 11:46	RWS	71-43-2		
Bromobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	108-86-1		
Bromochloromethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-27-4		
Bromoform	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-25-2		
Bromomethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	74-83-9		
n-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	104-51-8		
sec-Butylbenzene	2.7	ug/l	1.0	1.0	01/01/04 11:46	RWS	135-98-8		
tert-Butylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	98-06-6		
Carbon tetrachloride	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	56-23-5		
Chlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	108-90-7		
Chloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-00-3		
Chloroform	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	67-66-3		
Chloromethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	74-87-3		
2-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	95-49-8		
4-Chlorotoluene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	106-93-4		
Dibromomethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	563-58-6		
Diisopropyl ether	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	108-20-3		
Ethylbenzene	5.3	ug/l	1.0	1.0	01/01/04 11:46	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	87-68-3		
Isopropylbenzene (Cumene)	4.1	ug/l	1.0	1.0	01/01/04 11:46	RWS	98-82-8		

Date: 01/06/04

Page: 11 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712



Lab Project Number: 9256329
Client Project ID: Apex/201-125

Lab Sample No: 923661441 Project Sample Number: 9256329-006 Date Collected: 12/22/03 11:15
Client Sample ID: AMW-6 Matrix: Water Date Received: 12/23/03 12:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Reqlmt
p-Isopropyltoluene	1.5	ug/l	1.0	1.0	01/01/04 11:46	RWS	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	01/01/04 11:46	RWS	75-09-2		
Methyl-tert-butyl ether	24.	ug/l	1.0	1.0	01/01/04 11:46	RWS	1634-04-4		
Naphthalene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	91-20-3		
n-Propylbenzene	1.1	ug/l	1.0	1.0	01/01/04 11:46	RWS	103-65-1		
Styrene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	127-18-4		
Toluene	1.1	ug/l	1.0	1.0	01/01/04 11:46	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	79-00-5		
Trichloroethene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	96-18-4		
1,2,4-Trimethylbenzene	3.4	ug/l	1.0	1.0	01/01/04 11:46	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	108-67-8		
Vinyl chloride	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	75-01-4		
Xylene (Total)	12.	ug/l	1.0	1.0	01/01/04 11:46	RWS	1330-20-7		
m&p-Xylene	11.	ug/l	2.0	1.0	01/01/04 11:46	RWS			
o-Xylene	ND	ug/l	1.0	1.0	01/01/04 11:46	RWS	95-47-6		
Toluene-d8 (S)	89	x		1.0	01/01/04 11:46	RWS	2037-26-5		
4-Bromofluorobenzene (S)	96	x		1.0	01/01/04 11:46	RWS	460-00-4		
Dibromofluoromethane (S)	105	x		1.0	01/01/04 11:46	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	99	x		1.0	01/01/04 11:46	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- (S) Surrogate
- [1] Compound concentration exceeds the calibration range of the instrument (CLP E-Flag).
- [2] High surrogate recovery was confirmed as a matrix effect by a second analysis.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



QUALITY CONTROL DATA

Lab Project Number: 9256329
Client Project ID: Apex/201-125

METHOD BLANK: 923681027

Associated Lab Samples: 923661391 923661409 923661417 923661425 923661433 923661441

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,3-Dichloropropane	ug/l	ND	1.0	
2,2-Dichloropropane	ug/l	ND	1.0	
1,1-Dichloropropene	ug/l	ND	1.0	
Diisopropyl ether	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	
Hexachloro-1,3-butadiene	ug/l	ND	1.0	
Isopropylbenzene (Cumene)	ug/l	ND	1.0	
p-Isopropyltoluene	ug/l	ND	1.0	
Methylene chloride	ug/l	ND	2.0	
Methyl-tert-butyl ether	ug/l	ND	1.0	
Naphthalene	ug/l	ND	1.0	
n-Propylbenzene	ug/l	ND	1.0	
Styrene	ug/l	ND	1.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
Toluene	ug/l	ND	1.0	
1,2,3-Trichlorobenzene	ug/l	ND	1.0	
1,2,4-Trichlorobenzene	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
1,2,3-Trichloropropane	ug/l	ND	1.0	
1,2,4-Trimethylbenzene	ug/l	ND	1.0	
1,3,5-Trimethylbenzene	ug/l	ND	1.0	
Vinyl chloride	ug/l	ND	1.0	
Xylene (Total)	ug/l	ND	1.0	
m&p-Xylene	ug/l	ND	2.0	
o-Xylene	ug/l	ND	1.0	
Toluene-d8 (S)	μ	97		
4-Bromofluorobenzene (S)	μ	98		
Dibromofluoromethane (S)	μ	96		
1,2-Dichloroethane-d4 (S)	μ	92		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



QUALITY CONTROL DATA

Lab Project Number: 9256329
Client Project ID: Apex/201-125

LABORATORY CONTROL SAMPLE: 923681035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	10.00	9.039	90	
Bromobenzene	ug/l	10.00	9.582	96	
Bromochloromethane	ug/l	10.00	8.029	80	
Bromodichloromethane	ug/l	10.00	8.608	86	
Bromoform	ug/l	10.00	8.786	88	
Bromomethane	ug/l	10.00	8.938	89	
n-Butylbenzene	ug/l	10.00	8.856	89	
sec-Butylbenzene	ug/l	10.00	8.774	88	
tert-Butylbenzene	ug/l	10.00	8.841	88	
Carbon tetrachloride	ug/l	10.00	9.074	91	
Chlorobenzene	ug/l	10.00	8.916	89	
Chloroethane	ug/l	10.00	9.802	98	
Chloroform	ug/l	10.00	8.265	83	
Chloromethane	ug/l	10.00	8.516	85	
2-Chlorotoluene	ug/l	10.00	7.870	79	
4-Chlorotoluene	ug/l	10.00	8.583	86	
1,2-Dibromo-3-chloropropane	ug/l	10.00	7.361	74	
Bromochloromethane	ug/l	10.00	8.687	87	
1,2-Dibromoethane (EDB)	ug/l	10.00	8.424	84	
Dibromomethane	ug/l	10.00	8.202	82	
1,2-Dichlorobenzene	ug/l	10.00	8.498	85	
1,3-Dichlorobenzene	ug/l	10.00	8.655	87	
1,4-Dichlorobenzene	ug/l	10.00	8.447	84	
Dichlorodifluoromethane	ug/l	10.00	15.80	158	1
1,1-Dichloroethane	ug/l	10.00	8.558	86	
1,2-Dichloroethane	ug/l	10.00	7.886	79	
1,1-Dichloroethene	ug/l	10.00	8.301	83	
cis-1,2-Dichloroethene	ug/l	10.00	8.492	85	
trans-1,2-Dichloroethene	ug/l	10.00	8.507	85	
1,2-Dichloropropane	ug/l	10.00	8.642	86	
1,3-Dichloropropane	ug/l	10.00	8.691	87	
2,2-Dichloropropane	ug/l	10.00	8.240	82	
1,1-Dichloropropene	ug/l	10.00	8.588	86	
Diisopropyl ether	ug/l	10.00	8.337	83	
Ethylbenzene	ug/l	10.00	9.397	94	
Hexachloro-1,3-butadiene	ug/l	10.00	8.193	82	
Isopropylbenzene (Cumene)	ug/l	10.00	9.117	91	

Date: 01/06/04

Page: 16 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 00030



Charlotte Certification
NC Wastewater
NC Drinking Water
SC
ENVIRONMENTAL

QUALITY CONTROL DATA

Lab Project Number: 9256329

Client Project ID: Apex/201-125

LABORATORY CONTROL SAMPLE: 923681035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
p-Isopropyltoluene	ug/l	10.00	8.860	89	
Methylene chloride	ug/l	10.00	8.464	85	
Methyl-tert-butyl ether	ug/l	10.00	8.085	81	
Naphthalene	ug/l	10.00	7.860	79	
n-Propylbenzene	ug/l	10.00	8.940	89	
Styrene	ug/l	10.00	9.040	90	
1,1,1,2-Tetrachloroethane	ug/l	10.00	8.943	89	
1,1,2,2-Tetrachloroethane	ug/l	10.00	7.762	78	
Tetrachloroethene	ug/l	10.00	9.230	92	
Toluene	ug/l	10.00	8.859	89	
1,2,3-Trichlorobenzene	ug/l	10.00	7.992	80	
1,2,4-Trichlorobenzene	ug/l	10.00	8.096	81	
1,1,1-Trichloroethane	ug/l	10.00	8.971	90	
1,1,2-Trichloroethane	ug/l	10.00	7.875	79	
Trichloroethene	ug/l	10.00	9.075	91	
Trichlorofluoromethane	ug/l	10.00	9.785	98	
1,3-Trichloropropane	ug/l	10.00	8.098	81	
1,2,4-Trimethylbenzene	ug/l	10.00	8.854	88	
1,3,5-Trimethylbenzene	ug/l	10.00	8.935	89	
Vinyl chloride	ug/l	10.00	8.478	85	
Xylene (Total)	ug/l	30.00	27.55	92	
m&p-Xylene	ug/l	20.00	18.39	92	
o-Xylene	ug/l	10.00	9.161	92	
Toluene-d8 (S)				99	
4-Bromofluorobenzene (S)				100	
Dibromofluoromethane (S)				96	
1,2-Dichloroethane-d4 (S)				94	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923681043 923681050

Parameter	Units	923667919 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	10.00	9.638	9.501	96	95	1	
Chlorobenzene	ug/l	0	10.00	8.320	8.288	83	83	0	
1,1-Dichloroethene	ug/l	0	10.00	7.920	8.159	79	82	3	
Toluene	ug/l	0	10.00	9.727	9.132	97	91	6	

Date: 01/06/04

Page: 17 of 19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712

Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006

QUALITY CONTROL DATA

Lab Project Number: 9256329
Client Project ID: Apex/201-125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923681043 923681050

Parameter	Units	923667919	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Trichloroethene	ug/l	0	10.00	7.251	7.206	72	72	1	
Toluene-d8 (S)						102	102		
4-Bromofluorobenzene (S)						98	100		
Dibromofluoromethane (S)						97	95		
1,2-Dichloroethane-d4 (S)						98	104		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
- MS(D) Matrix Spike (Duplicate)
- DUP Sample Duplicate
- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- RPD Relative Percent Difference
- (S) Surrogate
- [1] Recovery falls outside of QC limits, however, this compound is not found in the associated samples.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Lab Project Number: 9257761
Client Project ID: FHR North

Solid results are reported on a dry weight basis

Lab Sample No: 923728281 Project Sample Number: 9257761-001 Date Collected: 01/12/04 11:25
Client Sample ID: B2(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	9.1	%		1.0	01/16/04	11:51	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04		BMF		

GC/MS Semivolatiles

Semivolatiles	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Prep/Method: EPA 3510 / EPA 8270									
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	15:45	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	15:45	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	15:45	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	15:45	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	15:45	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	15:45	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	15:45	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	15:45	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	15:45	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/29/04	15:45	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	15:45	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	15:45	BET	88-06-2	
Nitrobenzene-d5 (S)	83	%		1.0	01/29/04	15:45	BET	4165-60-0	
2-Fluorobiphenyl (S)	71	%		1.0	01/29/04	15:45	BET	321-60-8	
Terphenyl-d14 (S)	84	%		1.0	01/29/04	15:45	BET	1718-51-0	
Phenol-d5 (S)	38	%		1.0	01/29/04	15:45	BET	4165-62-2	
2-Fluorophenol (S)	56	%		1.0	01/29/04	15:45	BET	367-12-4	
2,4,6-Tribromophenol (S)	74	%		1.0	01/29/04	15:45	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Prep/Method: EPA 3545 / EPA 8015									
Diesel Fuel	10.	mg/kg	5.5	1.1	01/22/04	21:23	RPJ	68334-30-5	
n-Pentacosane (S)	63	%		1.0	01/22/04	21:23	RPJ	629-99-2	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Method: EPA 8015									
Gasoline	28.	mg/kg	6.6	1.1	01/22/04	09:52	KSB		

Date: 01/30/04

Page: 1 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030

Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006



Lab Sample No: 923728281
 Client Sample ID: B2(0-1')

Project Sample Number: 9257761-001
 Matrix: Soil

Date Collected: 01/12/04 11:25
 Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
4-Bromofluorobenzene (S)	66	µ		1.0	01/22/04 09:52	KSB	460-00-4		

GC/MS Volatiles

Volatile Organics, TCLP Leach. Method: EPA 8260

Benzene	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 07:34	RWS	75-01-4		
Toluene-d8 (S)	101	µ		1.0	01/22/04 07:34	RWS	2037-26-5		
4-Bromofluorobenzene (S)	79	µ		1.0	01/22/04 07:34	RWS	460-00-4		
Dibromofluoromethane (S)	101	µ		1.0	01/22/04 07:34	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	µ		1.0	01/22/04 07:34	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030
 CI NEL AD 0076A9



Charlotte Certification IDs

NC Wastewater 12
 NC Drinking Water 37706
 SC 99006
 CI NEL AD 007607

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728299 Project Sample Number: 9257761-002 Date Collected: 01/12/04 11:25
Client Sample ID: B2(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	8.3	%		1.0	01/16/04	11:52	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP		Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	16:21	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	16:21	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	16:21	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	16:21	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	16:21	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	16:21	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	16:21	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	16:21	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	16:21	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/29/04	16:21	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	16:21	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	16:21	BET	88-06-2		
Nitrobenzene-d5 (S)	43	%		1.0	01/29/04	16:21	BET	4165-60-0		
2-Fluorobiphenyl (S)	41	%		1.0	01/29/04	16:21	BET	321-60-8		
Terphenyl-d14 (S)	69	%		1.0	01/29/04	16:21	BET	1718-51-0		
Phenol-d5 (S)	18	%		1.0	01/29/04	16:21	BET	4165-62-2		
2-Fluorophenol (S)	24	%		1.0	01/29/04	16:21	BET	367-12-4		
2,4,6-Tribromophenol (S)	52	%		1.0	01/29/04	16:21	BET			
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015		Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	3700	mg/kg	110	21.8	01/23/04	19:42	RPJ	68334-30-5		
n-Pentacosane (S)	0	%		1.0	01/23/04	19:42	RPJ	629-99-2	1	
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil		Method: EPA 8015								
Gasoline	92.	mg/kg	33.	5.5	01/21/04	23:19	KSB			
4-Bromofluorobenzene (S)	0	%		1.0	01/21/04	23:19	KSB	460-00-4	1	

Date: 01/30/04

Page: 3 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 507007



Pace Analytical Services, Inc.
 9800 Kincey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9257761
 Client Project ID: FHR North

Lab Sample No: 923728299 Project Sample Number: 9257761-002 Date Collected: 01/12/04 11:25
 Client Sample ID: B2(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 07:50	RWS	75-01-4		
Toluene-d8 (S)	86	%		1.0	01/22/04 07:50	RWS	2037-26-5		
4-Bromofluorobenzene (S)	62	%		1.0	01/22/04 07:50	RWS	460-00-4	2	
Dibromofluoromethane (S)	105	%		1.0	01/22/04 07:50	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		1.0	01/22/04 07:50	RWS	17060-07-0		

Date: 01/30/04

Page: 4 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030



Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006
 FL 99006

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728307 Project Sample Number: 9257761-003 Date Collected: 01/12/04 11:25
Client Sample ID: B2(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	18.7	%		1.0	01/16/04 11:52	EDF			
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04	BMF			

GC/MS Semivolatiles

Semivolatiles	Prep/Method: EPA 3510 / EPA 8270	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04 16:57	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04 16:57	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04 16:57	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04 16:57	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04 16:57	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04 16:57	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04 16:57	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04 16:57	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04 16:57	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/29/04 16:57	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04 16:57	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04 16:57	BET	88-06-2		
Nitrobenzene-d5 (S)	81	%		1.0	01/29/04 16:57	BET	4165-60-0		
2-Fluorobiphenyl (S)	76	%		1.0	01/29/04 16:57	BET	321-60-8		
Terphenyl-d14 (S)	87	%		1.0	01/29/04 16:57	BET	1718-51-0		
Phenol-d5 (S)	38	%		1.0	01/29/04 16:57	BET	4165-62-2		
2-Fluorophenol (S)	56	%		1.0	01/29/04 16:57	BET	367-12-4		
2,4,6-Tribromophenol (S)	77	%		1.0	01/29/04 16:57	BET			
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diesel Fuel	440	mg/kg	6.1	1.2	01/26/04 17:48	CMJ	68334-30-5		
n-Pentacosane (S)	62	%		1.0	01/26/04 17:48	CMJ	629-99-2		
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Gasoline	60.	mg/kg	37.	6.2	01/21/04 23:48	KSB			
4-Bromofluorobenzene (S)	0	%		1.0	01/21/04 23:48	KSB	460-00-4		1

Date: 01/30/04

Page: 5 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
E1 NEI AD E876AR



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E1 NEI AD E07627

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728307 Project Sample Number: 9257761-003 Date Collected: 01/12/04 11:25
Client Sample ID: B2(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 08:06	RWS	75-01-4		
Toluene-d8 (S)	95	%		1.0	01/22/04 08:06	RWS	2037-26-5		
4-Bromofluorobenzene (S)	87	%		1.0	01/22/04 08:06	RWS	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	01/22/04 08:06	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		1.0	01/22/04 08:06	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FI NFI AP F87648



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
FI NFI AP F87697

Lab Sample No: 923728315 Project Sample Number: 9257761-004 Date Collected: 01/12/04 11:35
Client Sample ID: B3(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	12.6	%		1.0	01/16/04	11:52	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	17:33	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	17:33	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	17:33	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	17:33	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	17:33	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	17:33	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	17:33	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	17:33	8ET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	17:33	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/29/04	17:33	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	17:33	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	17:33	BET	88-06-2	
Nitrobenzene-d5 (S)	65	%		1.0	01/29/04	17:33	BET	4165-60-0	
2-Fluorobiphenyl (S)	61	%		1.0	01/29/04	17:33	BET	321-60-8	
Terphenyl-d14 (S)	86	%		1.0	01/29/04	17:33	BET	1718-51-0	
Phenol-d5 (S)	31	%		1.0	01/29/04	17:33	BET	4165-62-2	
2-Fluorophenol (S)	46	%		1.0	01/29/04	17:33	8ET	367-12-4	
2,4,6-Tribromophenol (S)	72	%		1.0	01/29/04	17:33	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	2400	mg/kg	110	22.9	01/23/04	20:10	RPJ	68334-30-5	
n-Pentacosane (S)	0	%		1.0	01/23/04	20:10	RPJ	629-99-2	1
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	700	mg/kg	69.	11.4	01/22/04	00:17	KSB		
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04	00:17	KSB	460-00-4	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728315 Project Sample Number: 9257761-004 Date Collected: 01/12/04 11:35
Client Sample ID: B3(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 08:23	RWS	75-01-4		
Toluene-d8 (S)	78	%		1.0	01/22/04 08:23	RWS	2037-26-5	2	
4-Bromofluorobenzene (S)	49	%		1.0	01/22/04 08:23	RWS	460-00-4	2	
Dibromofluoromethane (S)	96	%		1.0	01/22/04 08:23	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	101	%		1.0	01/22/04 08:23	RWS	17060-07-0		

Date: 01/30/04

Page: 8 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

Lab Sample No: 923728323 Project Sample Number: 9257761-005 Date Collected: 01/12/04 11:35
Client Sample ID: B3(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	16.1	%			1.0 01/16/04 11:53	EDF			
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04	BMF			

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75		1.0 01/29/04 18:08	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013		1.0 01/29/04 18:08	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050		1.0 01/29/04 18:08	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013		1.0 01/29/04 18:08	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30		1.0 01/29/04 18:08	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010		1.0 01/29/04 18:08	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010		1.0 01/29/04 18:08	BET			
Nitrobenzene	ND	mg/l	0.20		1.0 01/29/04 18:08	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.		1.0 01/29/04 18:08	BET	87-86-5		
Pyridine	ND	mg/l	0.50		1.0 01/29/04 18:08	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.		1.0 01/29/04 18:08	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20		1.0 01/29/04 18:08	BET	88-06-2		
Nitrobenzene-d5 (S)	61	%			1.0 01/29/04 18:08	BET	4165-60-0		
2-Fluorobiphenyl (S)	60	%			1.0 01/29/04 18:08	BET	321-60-8		
Terphenyl-d14 (S)	82	%			1.0 01/29/04 18:08	BET	1718-51-0		
Phenol-d5 (S)	23	%			1.0 01/29/04 18:08	BET	4165-62-2		
2-Fluorophenol (S)	28	%			1.0 01/29/04 18:08	BET	367-12-4		
2,4,6-Tribromophenol (S)	66	%			1.0 01/29/04 18:08	BET			
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	2600	mg/kg	120		23.8 01/23/04 20:38	RPJ	68334-30-5		
n-Pentacosane (S)	0	%			1.0 01/23/04 20:38	RPJ	629-99-2	1	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	1000	mg/kg	72.		11.9 01/22/04 00:48	KSB			
4-Bromofluorobenzene (S)	0	%			1.0 01/22/04 00:48	KSB	460-00-4	1	

Date: 01/30/04

Page: 9 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030

Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006



Lab Sample No: 923728323 Project Sample Number: 9257761-005 Date Collected: 01/12/04 11:35
Client Sample ID: B3(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	0.010	mg/l	0.010	1.0	01/22/04 08:39	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 08:39	RWS	75-01-4		
Toluene-d8 (S)	70	%		1.0	01/22/04 08:39	RWS	2037-26-5	2	
4-Bromofluorobenzene (S)	32	%		1.0	01/22/04 08:39	RWS	460-00-4	2	
Dibromofluoromethane (S)	94	%		1.0	01/22/04 08:39	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	170	%		1.0	01/22/04 08:39	RWS	17060-07-0	2	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728331 Project Sample Number: 9257761-006 Date Collected: 01/12/04 11:40
Client Sample ID: B4(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	6.3	%		1.0	01/16/04	11:53	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	18:44	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	18:44	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	18:44	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	18:44	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	18:44	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	18:44	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	18:44	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	18:44	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	18:44	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/29/04	18:44	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	18:44	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	18:44	BET	88-06-2	
Nitrobenzene-d5 (S)	70	%		1.0	01/29/04	18:44	BET	4165-60-0	
2-Fluorobiphenyl (S)	58	%		1.0	01/29/04	18:44	BET	321-60-8	
Terphenyl-d14 (S)	79	%		1.0	01/29/04	18:44	BET	1718-51-0	
Phenol-d5 (S)	30	%		1.0	01/29/04	18:44	BET	4165-62-2	
2-Fluorophenol (S)	43	%		1.0	01/29/04	18:44	BET	367-12-4	
2,4,6-Tribromophenol (S)	71	%		1.0	01/29/04	18:44	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	6100	mg/kg	530	107	01/23/04	21:07	RPJ	68334-30-5	
n-Pentacosane (S)	0	%		1.0	01/23/04	21:07	RPJ	629-99-2	1
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	3600	mg/kg	64.	10.7	01/22/04	01:18	KSB		
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04	01:18	KSB	460-00-4	1

Date: 01/30/04

Page: 11 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FLA 52762



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLA 52762



Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9257761
 Client Project ID: FHR North

Lab Sample No: 923728331 Project Sample Number: 9257761-006 Date Collected: 01/12/04 11:40
 Client Sample ID: B4(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	71-43-2		
2-Butanone (MEK)	0.016	mg/l	0.010	1.0	01/28/04 01:18	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/28/04 01:18	DLK	75-01-4		
Toluene-d8 (S)	96	%		1.0	01/28/04 01:18	DLK	2037-26-5		
4-Bromofluorobenzene (S)	88	%		1.0	01/28/04 01:18	DLK	460-00-4		
Dibromofluoromethane (S)	91	%		1.0	01/28/04 01:18	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		1.0	01/28/04 01:18	DLK	17060-07-0		

Date: 01/30/04

Page: 12 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030



Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006
 SC 507007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728349 Project Sample Number: 9257761-007 Date Collected: 01/12/04 11:40
Client Sample ID: B4(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	11.1	%		1.0	01/16/04 11:53	EDF			
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04	BMF			

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04 19:20	BET		106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04 19:20	BET		121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04 19:20	BET		87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04 19:20	BET		118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04 19:20	BET		67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04 19:20	BET		95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04 19:20	BET				
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04 19:20	BET		98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04 19:20	BET		87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/29/04 19:20	BET		110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04 19:20	BET		95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04 19:20	BET		88-06-2		
Nitrobenzene-d5 (S)	62	%		1.0	01/29/04 19:20	BET		4165-60-0		
2-Fluorobiphenyl (S)	58	%		1.0	01/29/04 19:20	BET		321-60-8		
Terphenyl-d14 (S)	82	%		1.0	01/29/04 19:20	BET		1718-51-0		
Phenol-d5 (S)	29	%		1.0	01/29/04 19:20	BET		4165-62-2		
2-Fluorophenol (S)	41	%		1.0	01/29/04 19:20	BET		367-12-4		
2,4,6-Tribromophenol (S)	70	%		1.0	01/29/04 19:20	BET				
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diesel Fuel	3200	mg/kg	110	22.5	01/23/04 21:36	RPJ		68334-30-5		
n-Pentacosane (S)	1	%		1.0	01/23/04 21:36	RPJ		629-99-2		
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Gasoline	6900	mg/kg	140	22.5	01/22/04 11:50	KSB				
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04 11:50	KSB		460-00-4	1	

Date: 01/30/04

Page: 13 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
EPA 8210-G-03-010

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728349 Project Sample Number: 9257761-007 Date Collected: 01/12/04 11:40
Client Sample ID: B4(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 09:43	RWS	75-01-4		
Toluene-d8 (S)	36	%		1.0	01/22/04 09:43	RWS	2037-26-5	2	
4-Bromofluorobenzene (S)	3	%		1.0	01/22/04 09:43	RWS	460-00-4	2	
Dibromofluoromethane (S)	83	%		1.0	01/22/04 09:43	RWS	1868-53-7	2	
1,2-Dichloroethane-d4 (S)	492	%		1.0	01/22/04 09:43	RWS	17060-07-0	2	

Date: 01/30/04

Page: 14 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
EPA Method 8260



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
EPA Method 8260

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728356 Project Sample Number: 9257761-008 Date Collected: 01/12/04 11:40
Client Sample ID: B4(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	16.5	%		1.0	01/16/04	11:54	EDF		

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	19:55	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	19:55	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	19:55	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	19:55	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	19:55	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	19:55	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	19:55	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	19:55	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	19:55	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/29/04	19:55	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	19:55	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	19:55	BET	88-06-2	
Nitrobenzene-d5 (S)	66	%		1.0	01/29/04	19:55	BET	4165-60-0	
2-Fluorobiphenyl (S)	58	%		1.0	01/29/04	19:55	BET	321-60-8	
Terphenyl-d14 (S)	87	%		1.0	01/29/04	19:55	BET	1718-51-0	
Phenol-d5 (S)	26	%		1.0	01/29/04	19:55	BET	4165-62-2	
2-Fluorophenol (S)	37	%		1.0	01/29/04	19:55	BET	367-12-4	
2,4,6-Tribromophenol (S)	71	%		1.0	01/29/04	19:55	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	2700	mg/kg	120	24.0	01/23/04	21:36	RPJ	68334-30-5	
n-Pentacosane (S)	1	%		1.0	01/23/04	21:36	RPJ	629-99-2	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	3700	mg/kg	72.	12.0	01/22/04	11:21	KSB		
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04	11:21	KSB	460-00-4	1

Date: 01/30/04

Page: 15 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 99006

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728356 Project Sample Number: 9257761-008 Date Collected: 01/12/04 11:40
Client Sample ID: B4(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	0.017	mg/l	0.010	1.0	01/27/04 19:01	DLK	71-43-2	3	
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 19:01	DLK	75-01-4		
Toluene-d8 (S)	95	%		1.0	01/27/04 19:01	DLK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		1.0	01/27/04 19:01	DLK	460-00-4		
Dibromofluoromethane (S)	93	%		1.0	01/27/04 19:01	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		1.0	01/27/04 19:01	DLK	17060-07-0		

Date: 01/30/04

Page: 16 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 507007

Lab Sample No: 923728364 Project Sample Number: 9257761-009 Date Collected: 01/12/04 11:35
Client Sample ID: B6(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	13.4	%		1.0	01/16/04	11:54	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>180 F				01/16/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	20:31	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	20:31	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	20:31	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	20:31	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	20:31	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	20:31	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	20:31	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	20:31	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	20:31	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/29/04	20:31	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	20:31	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	20:31	BET	88-06-2		
Nitrobenzene-d5 (S)	65	%		1.0	01/29/04	20:31	BET	4165-60-0		
2-Fluorobiphenyl (S)	56	%		1.0	01/29/04	20:31	BET	321-60-8		
Terphenyl-d14 (S)	85	%		1.0	01/29/04	20:31	BET	1718-51-0		
Phenol-d5 (S)	26	%		1.0	01/29/04	20:31	BET	4165-62-2		
2-Fluorophenol (S)	36	%		1.0	01/29/04	20:31	BET	367-12-4		
2,4,6-Tribromophenol (S)	65	%		1.0	01/29/04	20:31	BET			
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Diesel Fuel	ND	mg/kg	5.8	1.1	01/26/04	18:16	CMJ	68334-30-5		
n-Pentacosane (S)	72	%		1.0	01/26/04	18:16	CMJ	629-99-2		
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Gasoline	ND	mg/kg	6.9	1.1	01/21/04	19:21	KSB			
4-Bromofluorobenzene (S)	53	%		1.0	01/21/04	19:21	KSB	460-00-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728364 Project Sample Number: 9257761-009 Date Collected: 01/12/04 11:35
Client Sample ID: B6(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 06:30	RWS	75-01-4		
Toluene-d8 (S)	100	%		1.0	01/22/04 06:30	RWS	2037-26-5		
4-Bromofluorobenzene (S)	87	%		1.0	01/22/04 06:30	RWS	460-00-4		
Dibromofluoromethane (S)	104	%		1.0	01/22/04 06:30	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	101	%		1.0	01/22/04 06:30	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006



Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9257761
 Client Project ID: FHR North

Lab Sample No: 923728372 Project Sample Number: 9257761-010 Date Collected: 01/12/04 11:35
 Client Sample ID: B6(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	16.2	%			1.0	01/16/04 11:54	EDF		

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75		1.0	01/29/04 21:06	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013		1.0	01/29/04 21:06	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050		1.0	01/29/04 21:06	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013		1.0	01/29/04 21:06	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30		1.0	01/29/04 21:06	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010		1.0	01/29/04 21:06	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010		1.0	01/29/04 21:06	BET		
Nitrobenzene	ND	mg/l	0.20		1.0	01/29/04 21:06	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.		1.0	01/29/04 21:06	BET	87-86-5	
Pyridine	ND	mg/l	0.50		1.0	01/29/04 21:06	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.		1.0	01/29/04 21:06	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20		1.0	01/29/04 21:06	BET	88-06-2	
Nitrobenzene-d5 (S)	68	%			1.0	01/29/04 21:06	BET	4165-60-0	
2-Fluorobiphenyl (S)	62	%			1.0	01/29/04 21:06	BET	321-60-8	
Terphenyl-d14 (S)	84	%			1.0	01/29/04 21:06	BET	1718-51-0	
Phenol-d5 (S)	25	%			1.0	01/29/04 21:06	BET	4165-62-2	
2-Fluorophenol (S)	32	%			1.0	01/29/04 21:06	BET	367-12-4	
2,4,6-Tribromophenol (S)	62	%			1.0	01/29/04 21:06	BET		
Date Extracted	01/27/04					01/27/04			

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.0		1.2	01/26/04 18:44	CMJ	68334-30-5	
n-Pentacosane (S)	76	%			1.0	01/26/04 18:44	CMJ	629-99-2	
Date Extracted	01/21/04					01/21/04			

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	ND	mg/kg	7.2		1.2	01/21/04 19:51	KSB		
4-Bromofluorobenzene (S)	66	%			1.0	01/21/04 19:51	KSB	460-00-4	

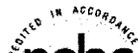
Date: 01/30/04

Page: 19 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030



Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006



Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9257761
 Client Project ID: FHR North

Lab Sample No: 923728372 Project Sample Number: 9257761-010 Date Collected: 01/12/04 11:35
 Client Sample ID: B6(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 07:02	RWS	75-01-4		
Toluene-d8 (S)	102	%		1.0	01/22/04 07:02	RWS	2037-26-5		
4-Bromofluorobenzene (S)	88	%		1.0	01/22/04 07:02	RWS	460-00-4		
Dibromofluoromethane (S)	104	%		1.0	01/22/04 07:02	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		1.0	01/22/04 07:02	RWS	17060-07-0		

Date: 01/30/04

Page: 20 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030



Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006
 FL 507007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728380 Project Sample Number: 9257761-011 Date Collected: 01/12/04 11:35
Client Sample ID: B6(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	17.3	%		1.0	01/16/04	11:55	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	22:28	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	22:28	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	22:28	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	22:28	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	22:28	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	22:28	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	22:28	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	22:28	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	22:28	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/29/04	22:28	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	22:28	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	22:28	BET	88-06-2	
Nitrobenzene-d5 (S)	81	%		1.0	01/29/04	22:28	BET	4165-60-0	
2-Fluorobiphenyl (S)	74	%		1.0	01/29/04	22:28	BET	321-60-8	
Terphenyl-d14 (S)	86	%		1.0	01/29/04	22:28	BET	1718-51-0	
Phenol-d5 (S)	37	%		1.0	01/29/04	22:28	BET	4165-62-2	
2-Fluorophenol (S)	54	%		1.0	01/29/04	22:28	BET	367-12-4	
2,4,6-Tribromophenol (S)	72	%		1.0	01/29/04	22:28	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	56.	mg/kg	6.0	1.2	01/23/04	15:57	RPJ	68334-30-5	
n-Pentacosane (S)	61	%		1.0	01/23/04	15:57	RPJ	629-99-2	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	61.	mg/kg	7.3	1.2	01/22/04	02:46	KSB		
4-Bromofluorobenzene (S)	156	%		1.0	01/22/04	02:46	KSB	460-00-4	2

Date: 01/30/04

Page: 21 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL 50007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728380 Project Sample Number: 9257761-011 Date Collected: 01/12/04 11:35
Client Sample ID: B6(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/22/04 09:11	RWS	75-01-4		
Toluene-d8 (S)	93	%		1.0	01/22/04 09:11	RWS	2037-26-5		
4-Bromofluorobenzene (S)	85	%		1.0	01/22/04 09:11	RWS	460-00-4		
Dibromofluoromethane (S)	85	%		1.0	01/22/04 09:11	RWS	1868-53-7	2	
1,2-Dichloroethane-d4 (S)	83	%		1.0	01/22/04 09:11	RWS	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
CLMFLAD 097607

Lab Sample No: 923728406 Project Sample Number: 9257761-012 Date Collected: 01/12/04 11:45
Client Sample ID: B7(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	11.3	%		1.0	01/16/04	11:55	EDF		

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	23:03	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	23:03	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	23:03	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	23:03	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	23:03	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	23:03	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	23:03	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	23:03	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	23:03	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/29/04	23:03	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	23:03	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	23:03	BET	88-06-2	
Nitrobenzene-d5 (S)	66	%		1.0	01/29/04	23:03	BET	4165-60-0	
2-Fluorobiphenyl (S)	62	%		1.0	01/29/04	23:03	BET	321-60-8	
Terphenyl-d14 (S)	86	%		1.0	01/29/04	23:03	BET	1718-51-0	
Phenol-d5 (S)	28	%		1.0	01/29/04	23:03	BET	4165-62-2	
2-Fluorophenol (S)	39	%		1.0	01/29/04	23:03	BET	367-12-4	
2,4,6-Tribromophenol (S)	68	%		1.0	01/29/04	23:03	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	8.1	mg/kg	5.6	1.1	01/23/04	16:25	RPJ	68334-30-5	
n-Pentacosane (S)	66	%		1.0	01/23/04	16:25	RPJ	629-99-2	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	ND	mg/kg	6.8	1.1	01/21/04	20:21	KSB		
4-Bromofluorobenzene (S)	57	%		1.0	01/21/04	20:21	KSB	460-00-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728406 Project Sample Number: 9257761-012 Date Collected: 01/12/04 11:45
Client Sample ID: B7(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	71-43-2		
2-Butanone (MEK)	0.015	mg/l	0.010	1.0	01/28/04 01:47	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/28/04 01:47	DLK	75-01-4		
Toluene-d8 (S)	95	%		1.0	01/28/04 01:47	DLK	2037-26-5		
4-Bromofluorobenzene (S)	89	%		1.0	01/28/04 01:47	DLK	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	01/28/04 01:47	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		1.0	01/28/04 01:47	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 587607

Lab Sample No: 923728414 Project Sample Number: 9257761-013 Date Collected: 01/12/04 11:45
Client Sample ID: B7(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	15.3	%		1.0	01/16/04	11:55	EDF		

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Report Limit	DF	Analyzed	By	CAS No.
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/29/04	23:38 BET 106-46-7
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/29/04	23:38 BET 121-14-2
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/29/04	23:38 BET 87-68-3
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/29/04	23:38 BET 118-74-1
Hexachloroethane	ND	mg/l	0.30	1.0	01/29/04	23:38 BET 67-72-1
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/29/04	23:38 BET 95-48-7
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/29/04	23:38 BET
Nitrobenzene	ND	mg/l	0.20	1.0	01/29/04	23:38 BET 98-95-3
Pentachlorophenol	ND	mg/l	10.	1.0	01/29/04	23:38 BET 87-86-5
Pyridine	ND	mg/l	0.50	1.0	01/29/04	23:38 BET 110-86-1
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/29/04	23:38 BET 95-95-4
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/29/04	23:38 BET 88-06-2
Nitrobenzene-d5 (S)	67	%		1.0	01/29/04	23:38 BET 4165-60-0
2-Fluorobiphenyl (S)	61	%		1.0	01/29/04	23:38 BET 321-60-8
Terphenyl-d14 (S)	84	%		1.0	01/29/04	23:38 BET 1718-51-0
Phenol-d5 (S)	31	%		1.0	01/29/04	23:38 BET 4165-62-2
2-Fluorophenol (S)	45	%		1.0	01/29/04	23:38 BET 367-12-4
2,4,6-Tribromophenol (S)	65	%		1.0	01/29/04	23:38 BET
Date Extracted	01/27/04				01/27/04	

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Report Limit	DF	Analyzed	By	CAS No.
Diesel Fuel	21.	mg/kg	5.9	1.2	01/23/04	16:53 RPJ 68334-30-5
n-Pentacosane (S)	79	%		1.0	01/23/04	16:53 RPJ 629-99-2
Date Extracted	01/21/04				01/21/04	

GC Volatiles

GAS, Soil	Method: EPA 8015	Report Limit	DF	Analyzed	By	CAS No.
Gasoline	ND	mg/kg	7.1	1.2	01/21/04	20:50 KSB
4-Bromofluorobenzene (S)	52	%		1.0	01/21/04	20:50 KSB 460-00-4

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728414 Project Sample Number: 9257761-013 Date Collected: 01/12/04 11:45
Client Sample ID: B7(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	71-43-2		
2-Butanone (MEK)	0.015	mg/l	0.010	1.0	01/27/04 22:24	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 22:24	DLK	75-01-4		
Toluene-d8 (S)	96	%		1.0	01/27/04 22:24	DLK	2037-26-5		
4-Bromofluorobenzene (S)	89	%		1.0	01/27/04 22:24	DLK	460-00-4		
Dibromofluoromethane (S)	93	%		1.0	01/27/04 22:24	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		1.0	01/27/04 22:24	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL 02607

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728422 Project Sample Number: 9257761-014 Date Collected: 01/12/04 11:45
Client Sample ID: B7(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	15.1	%		1.0	01/16/04	11:55	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04	00:13	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04	00:13	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04	00:13	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04	00:13	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04	00:13	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04	00:13	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04	00:13	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04	00:13	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04	00:13	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/30/04	00:13	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04	00:13	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04	00:13	BET	88-06-2		
Nitrobenzene-d5 (S)	59	%		1.0	01/30/04	00:13	BET	4165-60-0		
2-Fluorobiphenyl (S)	56	%		1.0	01/30/04	00:13	BET	321-60-8		
Terphenyl-d14 (S)	82	%		1.0	01/30/04	00:13	BET	1718-51-0		
Phenol-d5 (S)	28	%		1.0	01/30/04	00:13	BET	4165-62-2		
2-Fluorophenol (S)	40	%		1.0	01/30/04	00:13	BET	367-12-4		
2,4,6-Tribromophenol (S)	66	%		1.0	01/30/04	00:13	BET			
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diesel Fuel	860	mg/kg	59.	11.8	01/23/04	18:45	RPJ	68334-30-5		
n-Pentacosane (S)	108	%		1.0	01/23/04	18:45	RPJ	629-99-2		
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Gasoline	280	mg/kg	7.1	1.2	01/22/04	03:16	KSB			
4-Bromofluorobenzene (S)	327	%		1.0	01/22/04	03:16	KSB	460-00-4	2	

Date: 01/30/04

Page: 27 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL 08607

Lab Sample No: 923728422
Client Sample ID: B7(2-3')

Project Sample Number: 9257761-014
Matrix: Soil

Date Collected: 01/12/04 11:45
Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	0.014	mg/l	0.010	1.0	01/28/04 00:20	DLK	71-43-2	3	
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/28/04 00:20	DLK	75-01-4		
Toluene-d8 (S)	93	%		1.0	01/28/04 00:20	DLK	2037-26-5		
4-Bromofluorobenzene (S)	92	%		1.0	01/28/04 00:20	DLK	460-00-4		
Dibromofluoromethane (S)	98	%		1.0	01/28/04 00:20	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	99	%		1.0	01/28/04 00:20	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 607627

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728430 Project Sample Number: 9257761-015 Date Collected: 01/12/04 11:45
Client Sample ID: B8(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	8.7	%		1.0	01/16/04	11:56	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04	00:47	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04	00:47	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04	00:47	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04	00:47	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04	00:47	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04	00:47	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04	00:47	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04	00:47	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04	00:47	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/30/04	00:47	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04	00:47	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04	00:47	BET	88-06-2		
Nitrobenzene-d5 (S)	73	%		1.0	01/30/04	00:47	BET	4165-60-0		
2-Fluorobiphenyl (S)	64	%		1.0	01/30/04	00:47	BET	321-60-8		
Terphenyl-d14 (S)	88	%		1.0	01/30/04	00:47	BET	1718-51-0		
Phenol-d5 (S)	25	%		1.0	01/30/04	00:47	BET	4165-62-2		
2-Fluorophenol (S)	35	%		1.0	01/30/04	00:47	BET	367-12-4		
2,4,6-Tribromophenol (S)	74	%		1.0	01/30/04	00:47	BET			
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diesel Fuel	8200	mg/kg	270	54.7	01/23/04	19:13	RPJ	68334-30-5		
n-Pentacosane (S)	0	%		1.0	01/23/04	19:13	RPJ	629-99-2	1	
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Gasoline	3100	mg/kg	66.	10.9	01/22/04	10:52	KSB			
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04	10:52	KSB	460-00-4	1	

Date: 01/30/04

Page: 29 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
507007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728430 Project Sample Number: 9257761-015 Date Collected: 01/12/04 11:45
Client Sample ID: B8(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 23:51	DLK	75-01-4		
Toluene-d8 (S)	94	%		1.0	01/27/04 23:51	DLK	2037-26-5		
4-Bromofluorobenzene (S)	91	%		1.0	01/27/04 23:51	DLK	460-00-4		
Dibromofluoromethane (S)	94	%		1.0	01/27/04 23:51	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		1.0	01/27/04 23:51	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
EPA 8260 99006

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728448 Project Sample Number: 9257761-016 Date Collected: 01/12/04 11:45
Client Sample ID: B8(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	12.1	%		1.0	01/16/04	11:56	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04	01:23	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04	01:23	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04	01:23	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04	01:23	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04	01:23	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04	01:23	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04	01:23	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04	01:23	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04	01:23	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/30/04	01:23	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04	01:23	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04	01:23	BET	88-06-2		
Nitrobenzene-d5 (S)	61	%		1.0	01/30/04	01:23	BET	4165-60-0		
2-Fluorobiphenyl (S)	56	%		1.0	01/30/04	01:23	BET	321-60-8		
Terphenyl-d14 (S)	79	%		1.0	01/30/04	01:23	BET	1718-51-0		
Phenol-d5 (S)	27	%		1.0	01/30/04	01:23	BET	4165-62-2		
2-Fluorophenol (S)	40	%		1.0	01/30/04	01:23	BET	367-12-4		
2,4,6-Tribromophenol (S)	65	%		1.0	01/30/04	01:23	BET			
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diesel Fuel	6000	mg/kg	110	22.8	01/23/04	19:13	RPJ	68334-30-5		
n-Pentacosane (S)	0	%		1.0	01/23/04	19:13	RPJ	629-99-2		
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Gasoline	2500	mg/kg	68.	11.4	01/22/04	10:22	KSB			
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04	10:22	KSB	460-00-4	1	

Date: 01/30/04

Page: 31 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 50707

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728448 Project Sample Number: 9257761-016 Date Collected: 01/12/04 11:45
Client Sample ID: B8(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	71-43-2		
2-Butanone (MEK)	0.022	mg/l	0.010	1.0	01/27/04 23:21	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 23:21	DLK	75-01-4		
Toluene-d8 (S)	93	%		1.0	01/27/04 23:21	DLK	2037-26-5		
4-Bromofluorobenzene (S)	92	%		1.0	01/27/04 23:21	DLK	460-00-4		
Dibromofluoromethane (S)	96	%		1.0	01/27/04 23:21	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		1.0	01/27/04 23:21	DLK	17060-07-0		

Date: 01/30/04

Page: 32 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E1 MEI AD E07607

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728455 Project Sample Number: 9257761-017 Date Collected: 01/12/04 11:45
Client Sample ID: B8(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	17.0	%		1.0	01/16/04	11:56	EDF		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04	01:58	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04	01:58	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04	01:58	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04	01:58	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04	01:58	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04	01:58	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04	01:58	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04	01:58	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04	01:58	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/30/04	01:58	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04	01:58	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04	01:58	BET	88-06-2	
Nitrobenzene-d5 (S)	60	%		1.0	01/30/04	01:58	BET	4165-60-0	
2-Fluorobiphenyl (S)	56	%		1.0	01/30/04	01:58	BET	321-60-8	
Terphenyl-d14 (S)	82	%		1.0	01/30/04	01:58	BET	1718-51-0	
Phenol-d5 (S)	27	%		1.0	01/30/04	01:58	BET	4165-62-2	
2-Fluorophenol (S)	36	%		1.0	01/30/04	01:58	BET	367-12-4	
2,4,6-Tribromophenol (S)	67	%		1.0	01/30/04	01:58	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	5800	mg/kg	120	24.1	01/23/04	19:42	RPJ	68334-30-5	
n-Pentacosane (S)	0	%		1.0	01/23/04	19:42	RPJ	629-99-2	1
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	8700	mg/kg	140	24.1	01/22/04	12:20	KSB		
4-Bromofluorobenzene (S)	0	%		1.0	01/22/04	12:20	KSB	460-00-4	1

Date: 01/30/04

Page: 33 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
EPA 821-D-03-001

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728455 Project Sample Number: 9257761-017 Date Collected: 01/12/04 11:45
Client Sample ID: B8(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	0.13	mg/l	0.010	1.0	01/27/04 20:28	DLK	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 20:28	DLK	75-01-4		
Toluene-d8 (S)	94	%		1.0	01/27/04 20:28	DLK	2037-26-5		
4-Bromofluorobenzene (S)	91	%		1.0	01/27/04 20:28	DLK	460-00-4		
Dibromofluoromethane (S)	93	%		1.0	01/27/04 20:28	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		1.0	01/27/04 20:28	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
CL 07627

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728463 Project Sample Number: 9257761-018 Date Collected: 01/12/04 10:45
Client Sample ID: B9(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	14.1	%		1.0	01/16/04	11:57	EDF		

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04	02:33	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04	02:33	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04	02:33	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04	02:33	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04	02:33	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04	02:33	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04	02:33	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04	02:33	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04	02:33	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/30/04	02:33	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04	02:33	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04	02:33	BET	88-06-2	
Nitrobenzene-d5 (S)	64	%		1.0	01/30/04	02:33	BET	4165-60-0	
2-Fluorobiphenyl (S)	64	%		1.0	01/30/04	02:33	BET	321-60-8	
Terphenyl-d14 (S)	90	%		1.0	01/30/04	02:33	BET	1718-51-0	
Phenol-d5 (S)	29	%		1.0	01/30/04	02:33	BET	4165-62-2	
2-Fluorophenol (S)	41	%		1.0	01/30/04	02:33	BET	367-12-4	
2,4,6-Tribromophenol (S)	67	%		1.0	01/30/04	02:33	BET		
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	20.	mg/kg	5.8	1.2	01/23/04	14:32	RPJ	68334-30-5	
n-Pentacosane (S)	63	%		1.0	01/23/04	14:32	RPJ	629-99-2	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	ND	mg/kg	7.0	1.2	01/21/04	21:20	KSB		
4-Bromofluorobenzene (S)	62	%		1.0	01/21/04	21:20	KSB	460-00-4	

Date: 01/30/04

Page: 35 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E1 MCL AD E9797

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728463 Project Sample Number: 9257761-018 Date Collected: 01/12/04 10:45
Client Sample ID: B9(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

GC/MS Volatiles

Volatile Organics, TCLP Leach. Method: EPA 8260

Benzene	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/23/04 03:18	BCK	75-01-4		
Toluene-d8 (S)	86	%		1.0	01/23/04 03:18	BCK	2037-26-5		
4-Bromofluorobenzene (S)	66	%		1.0	01/23/04 03:18	BCK	460-00-4	2	
Dibromofluoromethane (S)	105	%		1.0	01/23/04 03:18	BCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%		1.0	01/23/04 03:18	BCK	17060-07-0		

Date: 01/30/04

Page: 36 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
CLMCLAD 587627

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728471 Project Sample Number: 9257761-019 Date Collected: 01/12/04 10:45
Client Sample ID: B9(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	13.5	%		1.0	01/16/04 11:57	EDF			
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04	BMF			

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04 03:08	BET		106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04 03:08	BET		121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04 03:08	BET		87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04 03:08	BET		118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04 03:08	BET		67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04 03:08	BET		95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04 03:08	BET				
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04 03:08	BET		98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04 03:08	BET		87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/30/04 03:08	BET		110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04 03:08	BET		95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04 03:08	BET		88-06-2		
Nitrobenzene-d5 (S)	68	%		1.0	01/30/04 03:08	BET		4165-60-0		
2-Fluorobiphenyl (S)	60	%		1.0	01/30/04 03:08	BET		321-60-8		
Terphenyl-d14 (S)	83	%		1.0	01/30/04 03:08	BET		1718-51-0		
Phenol-d5 (S)	29	%		1.0	01/30/04 03:08	BET		4165-62-2		
2-Fluorophenol (S)	41	%		1.0	01/30/04 03:08	BET		367-12-4		
2,4,6-Tribromophenol (S)	65	%		1.0	01/30/04 03:08	BET				
Date Extracted	01/27/04				01/27/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Diesel Fuel	ND	mg/kg	5.8	1.2	01/23/04 15:00	RPJ		68334-30-5		
n-Pentacosane (S)	62	%		1.0	01/23/04 15:00	RPJ		629-99-2		
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Gasoline	ND	mg/kg	6.9	1.2	01/21/04 21:49	KSB				
4-Bromofluorobenzene (S)	73	%		1.0	01/21/04 21:49	KSB		460-00-4		

Date: 01/30/04

Page: 37 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 507007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728471 Project Sample Number: 9257761-019 Date Collected: 01/12/04 10:45
Client Sample ID: B9(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/23/04 03:35	BCK	75-01-4		
Toluene-d8 (S)	98	%		1.0	01/23/04 03:35	BCK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	01/23/04 03:35	BCK	460-00-4		
Dibromofluoromethane (S)	128	%		1.0	01/23/04 03:35	BCK	1868-53-7	2	
1,2-Dichloroethane-d4 (S)	147	%		1.0	01/23/04 03:35	BCK	17060-07-0	2	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E07607

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728489 Project Sample Number: 9257761-020 Date Collected: 01/12/04 10:45
Client Sample ID: B9(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	20.2	%		1.0	01/16/04 11:57	EDF			
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04	BMF			

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/30/04 03:42	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/30/04 03:42	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/30/04 03:42	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/30/04 03:42	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/30/04 03:42	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/30/04 03:42	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/30/04 03:42	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/30/04 03:42	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/30/04 03:42	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/30/04 03:42	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/30/04 03:42	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/30/04 03:42	BET	88-06-2		
Nitrobenzene-d5 (S)	74	%		1.0	01/30/04 03:42	BET	4165-60-0		
2-Fluorobiphenyl (S)	66	%		1.0	01/30/04 03:42	BET	321-60-8		
Terphenyl-d14 (S)	86	%		1.0	01/30/04 03:42	BET	1718-51-0		
Phenol-d5 (S)	35	%		1.0	01/30/04 03:42	BET	4165-62-2		
2-Fluorophenol (S)	51	%		1.0	01/30/04 03:42	BET	367-12-4		
2,4,6-Tribromophenol (S)	69	%		1.0	01/30/04 03:42	BET			
Date Extracted	01/27/04				01/27/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.3	1.2	01/23/04 15:29	RPJ	68334-30-5		
n-Pentacosane (S)	76	%		1.0	01/23/04 15:29	RPJ	629-99-2		
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	ND	mg/kg	7.5	1.2	01/21/04 22:19	KSB			
4-Bromofluorobenzene (S)	62	%		1.0	01/21/04 22:19	KSB	460-00-4		

Date: 01/30/04

Page: 39 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 587007



Pace Analytical Services, Inc.
 9800 Kincey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9257761
 Client Project ID: FHR North

Lab Sample No: 923728489 Project Sample Number: 9257761-020 Date Collected: 01/12/04 10:45
 Client Sample ID: B9(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

GC/MS Volatiles

Volatile Organics, TCLP Leach. Method: EPA 8260

Benzene	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	71-43-2		
2-Butanone (MEK)	0.011	mg/l	0.010	1.0	01/27/04 21:55	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 21:55	DLK	75-01-4		
Toluene-d8 (S)	95	%		1.0	01/27/04 21:55	DLK	2037-26-5		
4-Bromofluorobenzene (S)	89	%		1.0	01/27/04 21:55	DLK	460-00-4		
Dibromofluoromethane (S)	89	%		1.0	01/27/04 21:55	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		1.0	01/27/04 21:55	DLK	17060-07-0		

Date: 01/30/04

Page: 40 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030



Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006
 CLMFLAD 587827

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728497 Project Sample Number: 9257761-021 Date Collected: 01/12/04 12:10
Client Sample ID: B12(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	9.1	%		1.0	01/16/04 12:25	DHW			

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04	BMF			

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270								
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/28/04 09:38	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/28/04 09:38	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/28/04 09:38	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/28/04 09:38	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/28/04 09:38	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/28/04 09:38	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/28/04 09:38	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/28/04 09:38	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/28/04 09:38	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/28/04 09:38	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/28/04 09:38	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/28/04 09:38	BET	88-06-2		
Nitrobenzene-d5 (S)	56	%		1.0	01/28/04 09:38	BET	4165-60-0		
2-Fluorobiphenyl (S)	56	%		1.0	01/28/04 09:38	BET	321-60-8		
Terphenyl-d14 (S)	94	%		1.0	01/28/04 09:38	BET	1718-51-0		
Phenol-d5 (S)	26	%		1.0	01/28/04 09:38	BET	4165-62-2		
2-Fluorophenol (S)	37	%		1.0	01/28/04 09:38	BET	367-12-4		
2,4,6-Tribromophenol (S)	76	%		1.0	01/28/04 09:38	BET			
Date Extracted	01/26/04				01/26/04				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	10000	mg/kg	280	55.0	01/23/04 20:10	RPJ	68334-30-5		
n-Pentacosane (S)	0	%		1.0	01/23/04 20:10	RPJ	629-99-2	1	
Date Extracted	01/21/04				01/21/04				

GC Volatiles

GAS, Soil	Method: EPA 8015								
Gasoline	960	mg/kg	66.	11.0	01/23/04 02:05	KSB			
4-Bromofluorobenzene (S)	0	%		1.0	01/23/04 02:05	KSB	460-00-4	1	

Date: 01/30/04

Page: 41 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
CL MFLAD 097297

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728497 Project Sample Number: 9257761-021 Date Collected: 01/12/04 12:10
Client Sample ID: B12(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	71-43-2		
2-Butanone (MEK)	0.011	mg/l	0.010	1.0	01/27/04 19:30	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 19:30	DLK	75-01-4		
Toluene-d8 (S)	94	%		1.0	01/27/04 19:30	DLK	2037-26-5		
4-Bromofluorobenzene (S)	92	%		1.0	01/27/04 19:30	DLK	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	01/27/04 19:30	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		1.0	01/27/04 19:30	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
CLMCLAD 587627

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728505 Project Sample Number: 9257761-022 Date Collected: 01/12/04 12:10
Client Sample ID: B12(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	17.3	%		1.0	01/16/04	12:32	DHW		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/28/04	10:14	BET	106-46-7
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/28/04	10:14	BET	121-14-2
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/28/04	10:14	BET	87-68-3
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/28/04	10:14	BET	118-74-1
Hexachloroethane	ND	mg/l	0.30	1.0	01/28/04	10:14	BET	67-72-1
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/28/04	10:14	BET	95-48-7
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/28/04	10:14	BET	
Nitrobenzene	ND	mg/l	0.20	1.0	01/28/04	10:14	BET	98-95-3
Pentachlorophenol	ND	mg/l	10.	1.0	01/28/04	10:14	BET	87-86-5
Pyridine	ND	mg/l	0.50	1.0	01/28/04	10:14	BET	110-86-1
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/28/04	10:14	BET	95-95-4
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/28/04	10:14	BET	88-06-2
Nitrobenzene-d5 (S)	60	%		1.0	01/28/04	10:14	BET	4165-60-0
2-Fluorobiphenyl (S)	60	%		1.0	01/28/04	10:14	BET	321-60-8
Terphenyl-d14 (S)	92	%		1.0	01/28/04	10:14	BET	1718-51-0
Phenol-d5 (S)	25	%		1.0	01/28/04	10:14	BET	4165-62-2
2-Fluorophenol (S)	35	%		1.0	01/28/04	10:14	BET	367-12-4
2,4,6-Tribromophenol (S)	73	%		1.0	01/28/04	10:14	BET	
Date Extracted	01/26/04				01/26/04			

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.
Diesel Fuel	3000	mg/kg	60.	12.1	01/23/04	20:38	RPJ	68334-30-5
n-Pentacosane (S)	111	%		1.0	01/23/04	20:38	RPJ	629-99-2
Date Extracted	01/21/04				01/21/04			

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.
Gasoline	750	mg/kg	73.	12.1	01/23/04	02:36	KSB	
4-Bromofluorobenzene (S)	0	%		1.0	01/23/04	02:36	KSB	460-00-4

Date: 01/30/04

Page: 43 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL MCLAD 09207

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728505 Project Sample Number: 9257761-022 Date Collected: 01/12/04 12:10
Client Sample ID: B12(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	71-43-2		
2-Butanone (MEK)	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 22:53	DLK	75-01-4		
Toluene-d8 (S)	96	%		1.0	01/27/04 22:53	DLK	2037-26-5		
4-Bromofluorobenzene (S)	91	%		1.0	01/27/04 22:53	DLK	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	01/27/04 22:53	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		1.0	01/27/04 22:53	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 007007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728547 Project Sample Number: 9257761-023 Date Collected: 01/12/04 12:10
Client Sample ID: B12(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.7	%		1.0	01/16/04	12:32	DHW		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Semivolatile Organics, TCLP Prep/Method: EPA 3510 / EPA 8270									
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/28/04	10:49	BET	106-46-7	
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/28/04	10:49	BET	121-14-2	
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/28/04	10:49	BET	87-68-3	
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/28/04	10:49	BET	118-74-1	
Hexachloroethane	ND	mg/l	0.30	1.0	01/28/04	10:49	BET	67-72-1	
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/28/04	10:49	BET	95-48-7	
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/28/04	10:49	BET		
Nitrobenzene	ND	mg/l	0.20	1.0	01/28/04	10:49	BET	98-95-3	
Pentachlorophenol	ND	mg/l	10.	1.0	01/28/04	10:49	BET	87-86-5	
Pyridine	ND	mg/l	0.50	1.0	01/28/04	10:49	BET	110-86-1	
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/28/04	10:49	BET	95-95-4	
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/28/04	10:49	BET	88-06-2	
Nitrobenzene-d5 (S)	51	%		1.0	01/28/04	10:49	BET	4165-60-0	
2-Fluorobiphenyl (S)	54	%		1.0	01/28/04	10:49	BET	321-60-8	
Terphenyl-d14 (S)	88	%		1.0	01/28/04	10:49	BET	1718-51-0	
Phenol-d5 (S)	24	%		1.0	01/28/04	10:49	BET	4165-62-2	
2-Fluorophenol (S)	35	%		1.0	01/28/04	10:49	BET	367-12-4	
2,4,6-Tribromophenol (S)	68	%		1.0	01/28/04	10:49	BET		
Date Extracted	01/26/04				01/26/04				

GC Semivolatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
TPH in Soil by 3545/8015 Prep/Method: EPA 3545 / EPA 8015									
Diesel Fuel	1800	mg/kg	130	25.6	01/23/04	21:07	RPJ	68334-30-5	
n-Pentacosane (S)	0	%		1.0	01/23/04	21:07	RPJ	629-99-2	1
Date Extracted	01/21/04				01/21/04				

GC Volatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GAS, Soil Method: EPA 8015									
Gasoline	840	mg/kg	77.	12.8	01/23/04	03:07	KSB		
4-Bromofluorobenzene (S)	0	%		1.0	01/23/04	03:07	KSB	460-00-4	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728547 Project Sample Number: 9257761-023 Date Collected: 01/12/04 12:10
Client Sample ID: B12(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	71-43-2		
2-Butanone (MEK)	0.017	mg/l	0.010	1.0	01/27/04 19:59	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 19:59	DLK	75-01-4		
Toluene-d8 (S)	96	%		1.0	01/27/04 19:59	DLK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	01/27/04 19:59	DLK	460-00-4		
Dibromofluoromethane (S)	89	%		1.0	01/27/04 19:59	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	89	%		1.0	01/27/04 19:59	DLK	17060-07-0		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL 99007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728554 Project Sample Number: 9257761-024 Date Collected: 01/12/04 12:00
Client Sample ID: B13(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	18.4	%		1.0	01/16/04 12:33	DHW			
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04	BMF			

GC/MS Semivolatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Semivolatile Organics, TCLP Prep/Method: EPA 3510 / EPA 8270									
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/28/04 11:24	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/28/04 11:24	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/28/04 11:24	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/28/04 11:24	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/28/04 11:24	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/28/04 11:24	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/28/04 11:24	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/28/04 11:24	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/28/04 11:24	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/28/04 11:24	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/28/04 11:24	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/28/04 11:24	BET	88-06-2		
Nitrobenzene-d5 (S)	62	%		1.0	01/28/04 11:24	BET	4165-60-0		
2-Fluorobiphenyl (S)	63	%		1.0	01/28/04 11:24	BET	321-60-8		
Terphenyl-d14 (S)	89	%		1.0	01/28/04 11:24	BET	1718-51-0		
Phenol-d5 (S)	23	%		1.0	01/28/04 11:24	BET	4165-62-2		
2-Fluorophenol (S)	32	%		1.0	01/28/04 11:24	BET	367-12-4		
2,4,6-Tribromophenol (S)	76	%		1.0	01/28/04 11:24	BET			
Date Extracted	01/26/04				01/26/04				

GC Semivolatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
TPH in Soil by 3545/8015 Prep/Method: EPA 3545 / EPA 8015									
Diesel Fuel	15.	mg/kg	6.1	1.2	01/23/04 17:21	RPJ	68334-30-5		
n-Pentacosane (S)	75	%		1.0	01/23/04 17:21	RPJ	629-99-2		
Date Extracted	01/21/04				01/21/04				

GC Volatiles

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GAS, Soil Method: EPA 8015									
Gasoline	ND	mg/kg	7.4	1.2	01/23/04 00:36	KSB			
4-Bromofluorobenzene (S)	80	%		1.0	01/23/04 00:36	KSB	460-00-4		

Date: 01/30/04

Page: 47 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
PACELABS 007607

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728554 Project Sample Number: 9257761-024 Date Collected: 01/12/04 12:00
Client Sample ID: B13(0-1') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	71-43-2		
2-Butanone (MEK)	0.011	mg/l	0.010	1.0	01/27/04 21:26	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 21:26	DLK	75-01-4		
Toluene-d8 (S)	95	%		1.0	01/27/04 21:26	DLK	2037-26-5		
4-Bromofluorobenzene (S)	89	%		1.0	01/27/04 21:26	DLK	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	01/27/04 21:26	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	87	%		1.0	01/27/04 21:26	DLK	17060-07-0		

Date: 01/30/04

Page: 48 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL 99007

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728562 Project Sample Number: 9257761-025 Date Collected: 01/12/04 12:00
Client Sample ID: B13(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	24.5	%		1.0	01/16/04	12:34	DHW		
Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	DF	Analyzed	By	CAS No.
1,4-Dichlorobenzene	ND mg/l 0.75	1.0	01/28/04	11:59	BET 106-46-7
2,4-Dinitrotoluene	ND mg/l 0.013	1.0	01/28/04	11:59	BET 121-14-2
Hexachloro-1,3-butadiene	ND mg/l 0.050	1.0	01/28/04	11:59	BET 87-68-3
Hexachlorobenzene	ND mg/l 0.013	1.0	01/28/04	11:59	BET 118-74-1
Hexachloroethane	ND mg/l 0.30	1.0	01/28/04	11:59	BET 67-72-1
2-Methylphenol (o-Cresol)	ND mg/l 0.010	1.0	01/28/04	11:59	BET 95-48-7
3&4-Methylphenol	ND mg/l 0.010	1.0	01/28/04	11:59	BET
Nitrobenzene	ND mg/l 0.20	1.0	01/28/04	11:59	BET 98-95-3
Pentachlorophenol	ND mg/l 10.	1.0	01/28/04	11:59	BET 87-86-5
Pyridine	ND mg/l 0.50	1.0	01/28/04	11:59	BET 110-86-1
2,4,5-Trichlorophenol	ND mg/l 40.	1.0	01/28/04	11:59	BET 95-95-4
2,4,6-Trichlorophenol	ND mg/l 0.20	1.0	01/28/04	11:59	BET 88-06-2
Nitrobenzene-d5 (S)	69 %	1.0	01/28/04	11:59	BET 4165-60-0
2-Fluorobiphenyl (S)	70 %	1.0	01/28/04	11:59	BET 321-60-8
Terphenyl-d14 (S)	91 %	1.0	01/28/04	11:59	BET 1718-51-0
Phenol-d5 (S)	30 %	1.0	01/28/04	11:59	BET 4165-62-2
2-Fluorophenol (S)	43 %	1.0	01/28/04	11:59	BET 367-12-4
2,4,6-Tribromophenol (S)	72 %	1.0	01/28/04	11:59	BET
Date Extracted	01/26/04		01/26/04		

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	DF	Analyzed	By	CAS No.
Diesel Fuel	ND mg/kg 6.6	1.3	01/23/04	17:49	RPJ 68334-30-5
n-Pentacosane (S)	74 %	1.0	01/23/04	17:49	RPJ 629-99-2
Date Extracted	01/21/04		01/21/04		

GC Volatiles

GAS, Soil	Method: EPA 8015	DF	Analyzed	By	CAS No.
Gasoline	ND mg/kg 7.9	1.3	01/23/04	01:06	KSB
4-Bromofluorobenzene (S)	80 %	1.0	01/23/04	01:06	KSB 460-00-4

Date: 01/30/04

Page: 49 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
CLMFLAD 087807



Pace Analytical Services, Inc.
 9800 Kinsey Avenue, Suite 100
 Huntersville, NC 28078
 Phone: 704.875.9092
 Fax: 704.875.9091

Lab Project Number: 9257761
 Client Project ID: FHR North

Lab Sample No: 923728562 Project Sample Number: 9257761-025 Date Collected: 01/12/04 12:00
 Client Sample ID: B13(1-2') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	71-43-2		
2-Butanone (MEK)	0.018	mg/l	0.010	1.0	01/27/04 20:57	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/27/04 20:57	DLK	75-01-4		
Toluene-d8 (S)	98	%		1.0	01/27/04 20:57	DLK	2037-26-5		
4-Bromofluorobenzene (S)	91	%		1.0	01/27/04 20:57	DLK	460-00-4		
Dibromofluoromethane (S)	91	%		1.0	01/27/04 20:57	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		1.0	01/27/04 20:57	DLK	17060-07-0		

Date: 01/30/04

Page: 50 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
 NC Wastewater 40
 NC Drinking Water 37712
 SC Environmental 99030



Charlotte Certification IDs
 NC Wastewater 12
 NC Drinking Water 37706
 SC 99006
 FL 07607

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728570 Project Sample Number: 9257761-026 Date Collected: 01/12/04 12:00
Client Sample ID: B13(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	24.1	%		1.0	01/16/04	12:35	DHW		

Flash Point, Closed Cup	Method: EPA 1010								
Flash Point	>140				01/29/04		BMF		

GC/MS Semivolatiles

Semivolatile Organics, TCLP	Prep/Method: EPA 3510 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,4-Dichlorobenzene	ND	mg/l	0.75	1.0	01/28/04	12:34	BET	106-46-7		
2,4-Dinitrotoluene	ND	mg/l	0.013	1.0	01/28/04	12:34	BET	121-14-2		
Hexachloro-1,3-butadiene	ND	mg/l	0.050	1.0	01/28/04	12:34	BET	87-68-3		
Hexachlorobenzene	ND	mg/l	0.013	1.0	01/28/04	12:34	BET	118-74-1		
Hexachloroethane	ND	mg/l	0.30	1.0	01/28/04	12:34	BET	67-72-1		
2-Methylphenol (o-Cresol)	ND	mg/l	0.010	1.0	01/28/04	12:34	BET	95-48-7		
3&4-Methylphenol	ND	mg/l	0.010	1.0	01/28/04	12:34	BET			
Nitrobenzene	ND	mg/l	0.20	1.0	01/28/04	12:34	BET	98-95-3		
Pentachlorophenol	ND	mg/l	10.	1.0	01/28/04	12:34	BET	87-86-5		
Pyridine	ND	mg/l	0.50	1.0	01/28/04	12:34	BET	110-86-1		
2,4,5-Trichlorophenol	ND	mg/l	40.	1.0	01/28/04	12:34	BET	95-95-4		
2,4,6-Trichlorophenol	ND	mg/l	0.20	1.0	01/28/04	12:34	BET	88-06-2		
Nitrobenzene-d5 (S)	57	%		1.0	01/28/04	12:34	BET	4165-60-0		
2-Fluorobiphenyl (S)	57	%		1.0	01/28/04	12:34	BET	321-60-8		
Terphenyl-d14 (S)	87	%		1.0	01/28/04	12:34	BET	1718-51-0		
Phenol-d5 (S)	27	%		1.0	01/28/04	12:34	BET	4165-62-2		
2-Fluorophenol (S)	39	%		1.0	01/28/04	12:34	BET	367-12-4		
2,4,6-Tribromophenol (S)	62	%		1.0	01/28/04	12:34	BET			
Date Extracted	01/26/04				01/26/04					

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diesel Fuel	ND	mg/kg	6.6	1.3	01/23/04	18:17	RPJ	68334-30-5		
n-Pentacosane (S)	82	%		1.0	01/23/04	18:17	RPJ	629-99-2		
Date Extracted	01/21/04				01/21/04					

GC Volatiles

GAS, Soil	Method: EPA 8015	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Gasoline	ND	mg/kg	7.9	1.3	01/23/04	01:35	KSB			
4-Bromofluorobenzene (S)	74	%		1.0	01/23/04	01:35	KSB	460-00-4		

Date: 01/30/04

Page: 51 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
EL MELAD 587687

Lab Project Number: 9257761
Client Project ID: FHR North

Lab Sample No: 923728570 Project Sample Number: 9257761-026 Date Collected: 01/12/04 12:00
Client Sample ID: B13(2-3') Matrix: Soil Date Received: 01/15/04 10:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles									
Volatile Organics, TCLP Leach. Method: EPA 8260									
Benzene	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	71-43-2		
2-Butanone (MEK)	0.016	mg/l	0.010	1.0	01/28/04 00:49	DLK	78-93-3		
Carbon tetrachloride	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	56-23-5		
Chlorobenzene	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	108-90-7		
Chloroform	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	67-66-3		
1,2-Dichloroethane	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	107-06-2		
1,1-Dichloroethene	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	75-35-4		
Tetrachloroethene	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	127-18-4		
Trichloroethene	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	79-01-6		
Vinyl chloride	ND	mg/l	0.010	1.0	01/28/04 00:49	DLK	75-01-4		
Toluene-d8 (S)	94	%		1.0	01/28/04 00:49	DLK	2037-26-5		
4-Bromofluorobenzene (S)	90	%		1.0	01/28/04 00:49	DLK	460-00-4		
Dibromofluoromethane (S)	94	%		1.0	01/28/04 00:49	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		1.0	01/28/04 00:49	DLK	17060-07-0		

Date: 01/30/04

Page: 52 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E07607

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- (S) Surrogate
- [1] Surrogate standards were not recovered due to sample dilution.
- [2] The surrogate recovery was outside QC acceptance limits due to matrix interference.
- [3] Results may be biased high due to interference with internal standards

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
EPA 8230-D

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

QC Batch: 89786	Analysis Method: EPA 8015				
QC Batch Method: EPA 8015	Analysis Description: GAS, Soil				
Associated Lab Samples:	923728281	923728299	923728307	923728315	923728323
	923728331	923728349	923728356	923728364	923728372
	923728380	923728406	923728414	923728422	923728430
	923728448	923728455	923728463	923728471	923728489

METHOD BLANK: 923752968

Associated Lab Samples:	923728281	923728299	923728307	923728315	923728323	923728331	923728349
	923728356	923728364	923728372	923728380	923728406	923728414	923728422
	923728430	923728448	923728455	923728463	923728471	923728489	

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline	mg/kg	ND	6.0	
4-Bromofluorobenzene (S)	%	71		

LABORATORY CONTROL SAMPLE: 923752976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline	mg/kg	50.00	42.72	85	
4-Bromofluorobenzene (S)				72	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923753750 923753768

Parameter	Units	923728364 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline	mg/kg	2.448	57.74	48.28	47.60	79	78	1	
4-Bromofluorobenzene (S)						67	66		

SAMPLE DUPLICATE: 923753776

Parameter	Units	923728372 Result	DUP Result	RPD	Footnotes
Gasoline	mg/kg	ND	ND	NC	
4-Bromofluorobenzene (S)	%	66	74		

Date: 01/30/04

Page: 56 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 527007

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

QC Batch: 89912
QC Batch Method: EPA 8015
Associated Lab Samples: 923728497 923728505 923728547 923728554 923728562 923728570

Analysis Method: EPA 8015
Analysis Description: GAS, Soil

METHOD BLANK: 923759401
Associated Lab Samples: 923728497 923728505 923728547 923728554 923728562 923728570

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline	mg/kg	ND	6.0	
4-Bromofluorobenzene (S)	%	88		

LABORATORY CONTROL SAMPLE: 923759419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline	mg/kg	50.00	63.37	127	
4-Bromofluorobenzene (S)				107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923759930 923759948

Parameter	Units	923728935 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline	mg/kg	4.711	64.16	58.36	56.66	84	81	3	
4-Bromofluorobenzene (S)						72	71		

SAMPLE DUPLICATE: 923759955

Parameter	Units	923728943 Result	DUP Result	RPD	Footnotes
Gasoline	mg/kg	ND	ND	NC	
4-Bromofluorobenzene (S)	%	87	91		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.



QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

LABORATORY CONTROL SAMPLE: 923771133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
3&4-Methylphenol	mg/l	0.2500	0.1054	42	
Nitrobenzene	mg/l	0.2500	0.1242	50	
Pentachlorophenol	mg/l	0.2500	0.2396	96	
Pyridine	mg/l	0.2500	0.0700	28	
2,4,5-Trichlorophenol	mg/l	0.2500	0.2060	82	
2,4,6-Trichlorophenol	mg/l	0.2500	0.1989	80	
Nitrobenzene-d5 (S)				52	
2-Fluorobiphenyl (S)				65	
Terphenyl-d14 (S)				92	
Phenol-d5 (S)				20	
2-Fluorophenol (S)				31	
2,4,6-Tribromophenol (S)				87	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923771141 923771158

Parameter	Units	923767297	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
1,4-Dichlorobenzene	mg/l	0	0.2500	0.1227	0.1342	49	54	9	
2,4-Dinitrotoluene	mg/l	0	0.2500	0.2156	0.2266	86	91	5	
Hexachloro-1,3-butadiene	mg/l	0	0.2500	0.1187	0.1268	48	51	7	
Hexachlorobenzene	mg/l	0	0.2500	0.1848	0.1859	74	74	1	
Hexachloroethane	mg/l	0	0.2500	0.1203	0.1320	48	53	9	
2-Methylphenol (o-Cresol)	mg/l	0	0.2500	0.0647	0.0661	26	26	2	
3&4-Methylphenol	mg/l	0	0.5000	0.0417	0.0429	8	9	3	
Nitrobenzene	mg/l	0	0.2500	0.1353	0.1491	54	60	10	
Pentachlorophenol	mg/l	0	0.2500	0.1553	0.1712	62	68	10	
Pyridine	mg/l	0	0.2500	0.0697	0.0639	28	26	9	
2,4,5-Trichlorophenol	mg/l	0	0.2500	0.1888	0.1787	76	72	6	
2,4,6-Trichlorophenol	mg/l	0	0.2500	0.1791	0.1619	72	65	10	
Nitrobenzene-d5 (S)						57	63		
2-Fluorobiphenyl (S)						64	67		
Terphenyl-d14 (S)						89	87		
Phenol-d5 (S)						14	17		
2-Fluorophenol (S)						23	24		
2,4,6-Tribromophenol (S)						73	65		

Date: 01/30/04

Page: 59 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

QC Batch: 90228	Analysis Method: EPA 8270				
QC Batch Method: EPA 3510	Analysis Description: Semivolatile Organics, TCLP				
Associated Lab Samples:	923728281	923728299	923728307	923728315	923728323
	923728331	923728349	923728356	923728364	923728372
	923728380	923728406	923728414	923728422	923728430
	923728448	923728455	923728463	923728471	923728489

METHOD BLANK: 923773428							
Associated Lab Samples:	923728281	923728299	923728307	923728315	923728323	923728331	923728349
	923728356	923728364	923728372	923728380	923728406	923728414	923728422
	923728430	923728448	923728455	923728463	923728471	923728489	

<u>Parameter</u>	<u>Units</u>	<u>Blank Result</u>	<u>Reporting Limit</u>	<u>Footnotes</u>
1,4-Dichlorobenzene	mg/l	ND	0.75	
2,4-Dinitrotoluene	mg/l	ND	0.013	
Hexachloro-1,3-butadiene	mg/l	ND	0.050	
Hexachlorobenzene	mg/l	ND	0.013	
Hexachloroethane	mg/l	ND	0.30	
2-Methylphenol (o-Cresol)	mg/l	ND	0.010	
2,4-Methylphenol	mg/l	ND	0.010	
Nitrobenzene	mg/l	ND	0.20	
Pentachlorophenol	mg/l	ND	10.	
Pyridine	mg/l	ND	0.50	
2,4,5-Trichlorophenol	mg/l	ND	40.	
2,4,6-Trichlorophenol	mg/l	ND	0.20	
Nitrobenzene-d5 (S)	%	68		
2-Fluorobiphenyl (S)	%	59		
Terphenyl-d14 (S)	%	81		
Phenol-d5 (S)	%	27		
2-Fluorophenol (S)	%	34		
2,4,6-Tribromophenol (S)	%	64		

LABORATORY CONTROL SAMPLE: 923773436

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
1,4-Dichlorobenzene	mg/l	0.2500	0.1340	54	
2,4-Dinitrotoluene	mg/l	0.2500	0.2248	90	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
ELMFIELD 097007

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

LABORATORY CONTROL SAMPLE: 923773436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Hexachloro-1,3-butadiene	mg/l	0.2500	0.1258	50	
Hexachlorobenzene	mg/l	0.2500	0.1922	77	
Hexachloroethane	mg/l	0.2500	0.1344	54	
2-Methylphenol (o-Cresol)	mg/l	0.2500	0.1455	58	
3&4-Methylphenol	mg/l	0.2500	0.1397	56	
Nitrobenzene	mg/l	0.2500	0.1599	64	
Pentachlorophenol	mg/l	0.2500	0.2214	88	
Pyridine	mg/l	0.2500	0.1025	41	
2,4,5-Trichlorophenol	mg/l	0.2500	0.2154	86	
2,4,6-Trichlorophenol	mg/l	0.2500	0.2132	85	
Nitrobenzene-d5 (S)				67	
2-Fluorobiphenyl (S)				70	
Terphenyl-d14 (S)				92	
Phenol-d5 (S)				29	
2-Fluorophenol (S)				45	
2,4,6-Tribromophenol (S)				82	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923773451 923773469

Parameter	Units	923728406 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
1,4-Dichlorobenzene	mg/l	0	0.2500	0.1446	0.1295	58	52	11	
2,4-Dinitrotoluene	mg/l	0	0.2500	0.2240	0.2195	90	88	2	
Hexachloro-1,3-butadiene	mg/l	0	0.2500	0.1306	0.1168	52	47	11	
Hexachlorobenzene	mg/l	0	0.2500	0.1873	0.1835	75	73	2	
Hexachloroethane	mg/l	0	0.2500	0.1403	0.1251	56	50	12	
2-Methylphenol (o-Cresol)	mg/l	0	0.2500	0.1202	0.1303	48	52	8	
3&4-Methylphenol	mg/l	0	0.5000	0.1144	0.1227	23	24	7	
Nitrobenzene	mg/l	0	0.2500	0.1631	0.1465	65	59	11	
Pentachlorophenol	mg/l	0	0.2500	0.2170	0.2130	87	85	2	
Pyridine	mg/l	0	0.2500	0.0795	0.0846	32	34	6	
2,4,5-Trichlorophenol	mg/l	0	0.2500	0.2160	0.2135	86	85	1	
2,4,6-Trichlorophenol	mg/l	0	0.2500	0.2108	0.2027	84	81	4	
Nitrobenzene-d5 (S)							69	62	
2-Fluorobiphenyl (S)							70	65	
Terphenyl-d14 (S)							91	92	

Date: 01/30/04

Page: 61 of 71

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 507627

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 923773451 923773469

Parameter	Units	923728406	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Phenol-d5 (S)						25	28		
2-Fluorophenol (S)						38	43		
2,4,6-Tribromophenol (S)						81	81		

SAMPLE DUPLICATE: 923773576

Parameter	Units	923728372	DUP	RPD	Footnotes
		Result	Result		
1,4-Dichlorobenzene	mg/l	ND	ND	NC	
2,4-Dinitrotoluene	mg/l	ND	ND	NC	
Hexachloro-1,3-butadiene	mg/l	ND	ND	NC	
Hexachlorobenzene	mg/l	ND	ND	NC	
Hexachloroethane	mg/l	ND	ND	NC	
2-Methylphenol (o-Cresol)	mg/l	ND	ND	NC	
3&4-Methylphenol	mg/l	ND	ND	NC	
Nitrobenzene	mg/l	ND	ND	NC	
Pentachlorophenol	mg/l	ND	ND	NC	
Pyridine	mg/l	ND	ND	NC	
2,4,5-Trichlorophenol	mg/l	ND	ND	NC	
2,4,6-Trichlorophenol	mg/l	ND	ND	NC	
Nitrobenzene-d5 (S)	%	68	60		
2-Fluorobiphenyl (S)	%	62	66		
Terphenyl-d14 (S)	%	84	83		
Phenol-d5 (S)	%	25	21		
2-Fluorophenol (S)	%	32	43		
2,4,6-Tribromophenol (S)	%	62	64		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL 99007

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

LABORATORY CONTROL SAMPLE: 923760060

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Vinyl chloride	mg/l	0.0500	0.0453	91	
Toluene-d8 (S)				101	
4-Bromofluorobenzene (S)				100	
Dibromofluoromethane (S)				100	
1,2-Dichloroethane-d4 (S)				101	

MATRIX SPIKE: 923760086

Parameter	Units	923728364	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Benzene	mg/l	0	0.0500	0.0532	106	
2-Butanone (MEK)	mg/l	0.00594	0.1000	0.0872	81	
Carbon tetrachloride	mg/l	0	0.0500	0.0511	102	
Chlorobenzene	mg/l	0	0.0500	0.0493	99	
Chloroform	mg/l	0	0.0500	0.0530	106	
1,2-Dichloroethane	mg/l	0	0.0500	0.0524	105	
1,1-Dichloroethene	mg/l	0	0.0500	0.0499	100	
Tetrachloroethene	mg/l	0	0.0500	0.0478	96	
Trichloroethene	mg/l	0	0.0500	0.0503	100	
Vinyl chloride	mg/l	0	0.0500	0.0451	90	
Toluene-d8 (S)					101	
4-Bromofluorobenzene (S)					93	
Dibromofluoromethane (S)					103	
1,2-Dichloroethane-d4 (S)					104	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E1 BIEL AD E07097

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

LABORATORY CONTROL SAMPLE: 923778138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Tetrachloroethene	mg/l	0.0500	0.0480	96	
Trichloroethene	mg/l	0.0500	0.0457	92	
Vinyl chloride	mg/l	0.0500	0.0424	85	
Toluene-d8 (S)				93	
4-Bromofluorobenzene (S)				91	
Dibromofluoromethane (S)				88	
1,2-Dichloroethane-d4 (S)				84	

MATRIX SPIKE: 923778146

Parameter	Units	923728356 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	mg/l	0.01670	0.0500	0.0558	78	
2-Butanone (MEK)	mg/l	0	0.1000	0.0708	71	
Carbon tetrachloride	mg/l	0	0.0500	0.0386	77	
Chlorobenzene	mg/l	0	0.0500	0.0424	85	
Chloroform	mg/l	0	0.0500	0.0439	88	
1,2-Dichloroethane	mg/l	0	0.0500	0.0428	86	
1,1-Dichloroethene	mg/l	0	0.0500	0.0494	99	
Tetrachloroethene	mg/l	0	0.0500	0.0459	92	
Trichloroethene	mg/l	0	0.0500	0.0436	87	
Vinyl chloride	mg/l	0	0.0500	0.0454	91	
Toluene-d8 (S)					95	
4-Bromofluorobenzene (S)					93	
Dibromofluoromethane (S)					93	
1,2-Dichloroethane-d4 (S)					82	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
CLASLAB 597627

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

LABORATORY CONTROL SAMPLE: 923780431

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
4-Bromofluorobenzene (S)				102	
Dibromofluoromethane (S)				93	
1,2-Dichloroethane-d4 (S)				88	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLA 101 AD 507627

QUALITY CONTROL DATA

Lab Project Number: 9257761
Client Project ID: FHR North

QC Batch: 89362	Analysis Method: % Moisture				
QC Batch Method:	Analysis Description: Percent Moisture				
Associated Lab Samples:	923728281	923728299	923728307	923728315	923728323
	923728331	923728349	923728356	923728364	923728372
	923728380	923728406	923728414	923728422	923728430
	923728448	923728455	923728463	923728471	923728489

SAMPLE DUPLICATE: 923734172

Parameter	Units	923728281		RPD	Footnotes
		Result	DUP Result		
Percent Moisture	%	9.100	7.600	17	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FLORIDA 582827



Pace Analytical Services, Inc.
9800 Kinsey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9257761
Client Project ID: FHR North

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
- MS(D) Matrix Spike (Duplicate)
- DUP Sample Duplicate
- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- RPD Relative Percent Difference
- (S) Surrogate

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
E-MAIL 507007

786530

Required Client Information: Section A

Company: REISS REMEDIATION
Address: 12550 TRINITY BLVD.
EULESS TX 76040
Phone: _____ Fax: _____

Required Client Information: Section B

Report To: ELIZABETH RASOR (REISS)
Copy To: JEFF BECKEM (CATLIN)
Invoice To: ELIZABETH RASOR
P.O.: _____
Project Name: FAR NORTH
Project Number: _____

Page: 3 of 3

To Be Completed by Pace Analytical and Client **Section C**

Quote Reference: _____
Project Manager: SHERRI STABEL
Project #: _____
Profile #: _____
Requested Analysis: _____

Client Information (Check quote/contract):

Requested Due Date: 1-26-04 *TAT: _____
* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

Section D

Required Client Information:

SAMPLE ID

One character per box.
(A-Z, 0-9/./-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

MATRIX CODE

DATE COLLECTED

mm / dd / yy

TIME COLLECTED

hh: mm a/p

Preservatives

# Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other

ICUP 8150/3790
TAP - Gas
TAP - Diesel
TAP - Lubricant
TAP

Remarks / Lab ID

ITEM #	1	2	3	4	5	6	7	8	9	10	11	12	MATRIX CODE	DATE COLLECTED	TIME COLLECTED	# Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Remarks / Lab ID		
	B	13	(1-2)										SL	1-12-04	1200											913728562	
	B	13	(2-3)										SL	1-12-04	1200											913728570	

SITE LOCATION	REGULATORY AGENCY
<input checked="" type="checkbox"/> NC <input type="checkbox"/> SC <input type="checkbox"/> GA <input type="checkbox"/> Other _____	<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
SP/TX / CATLIN	1-14-04	1500	Sherr Stabel	1-13-04	1015

SAMPLE CONDITION

Temp in °C: 22

Received on Ice: Y/N

Sealed Cooler: Y/N

Samples Intact: Y/N

SAMPLE NOTES

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEVE TYLER CHARLES RAY

SIGNATURE of SAMPLER: [Signatures]

DATE Signed: (MM / DD / YY) 01-13-04

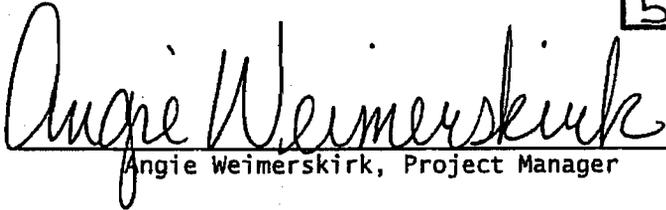
FILE COPY

SEVERN
TRENT STL

Report to: Mr. Jeff Becken
Catlin Engineers & Scientists
220 Old Dairy Road
Wilmington, NC 28405

STL Log #: S441443
Client Project #: 201-125
Client Project Description: FHR North Terminal
Report Date: 03-08-04

REVISED
5/26/04


Angie Weimerskirk, Project Manager

STL Savannah
5102 LaRoche Ave
Savannah, Ga 31404



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*1
 Sample ID : KMW-1
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	2.6	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.31
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	27	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*1
Sample ID : KMW-1
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	280225	02-26-04	02-26-04	SHN	2.6		ug/l	1	1.0	0.40
o-Xylene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	280225	02-26-04	02-26-04	SHN	26		ug/l	1	1.0	0.19
s-Butylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	280225	02-26-04	02-26-04	SHN	102		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	280225	02-26-04	02-26-04	SHN	108		%	1		
Surrogate - Dibromofluoromethane *	8260	280225	02-26-04	02-26-04	SHN	104		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*2
 Sample ID : KMW-3
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.31
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*2
Sample ID : KMW-3
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	280225	02-26-04	02-26-04	SHN	102		%	1		
Surrogate - 4-BromoFluorobenzene *	8260	280225	02-26-04	02-26-04	SHN	112		%	1		
Surrogate - Dibromofluoromethane *	8260	280225	02-26-04	02-26-04	SHN	104		%	1		

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*3
Sample ID : KMW-4
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	17		ug/l	1	10	0.31
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*3
Sample ID : KMW-4
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	2B0225	02-26-04	02-26-04	SHN	102		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	2B0225	02-26-04	02-26-04	SHN	114		%	1		
Surrogate - Dibromofluoromethane *	8260	2B0225	02-26-04	02-26-04	SHN	106		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*4
 Sample ID : KMW-5
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	200
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	310
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	280
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	390
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	2500	<	ug/l	500	2500	320
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	12000	<	ug/l	500	12000	2500
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	330
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1000	<	ug/l	500	1000	550
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	130
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	690
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	70
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	90
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	130
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	250
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	110
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	460
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	320
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	270
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	170
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	170
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	15000		ug/l	500	1000	650
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	160
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	2500	<	ug/l	500	220	220
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	100
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*4
Sample ID : KMW-5
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	15000		ug/l	500	500	200
o-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
1,2,4-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	95
s-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120
n-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
n-Propylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
Surrogate - Toluene-d8 *	8260	2B0225	02-26-04	02-26-04	SHN	102		%		500	
Surrogate - 4-Bromofluorobenzene *	8260	2B0225	02-26-04	02-26-04	SHN	110		%		500	
Surrogate - Dibromofluoromethane *	8260	2B0225	02-26-04	02-26-04	SHN	102		%		500	



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*5
 Sample ID : KMW-6
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	390
Bromomethane (Methyl bromide)	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	620
Vinyl chloride	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	560
Chloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	780
Methylene chloride (Dichloromethane)	8260	1B0302	03-02-04	03-02-04	SHN	5000	<	ug/l	1000	5000	640
Acetone	8260	1B0302	03-02-04	03-02-04	SHN	25000	<	ug/l	1000	25000	5000
Carbon disulfide	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	660
1,1-Dichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	360
1,1-Dichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	360
Cis/Trans-1,2-Dichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	2000	<	ug/l	1000	2000	1100
Chloroform	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	370
1,2-Dichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	260
2-Butanone (MEK)	8260	1B0302	03-02-04	03-02-04	SHN	10000	<	ug/l	1000	10000	1400
1,1,1-Trichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	320
Carbon tetrachloride	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	310
Bromodichloromethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	140
1,1,2,2-Tetrachloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	180
1,2-Dichloropropane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	330
trans-1,3-Dichloropropene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	260
Trichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	370
Dibromochloromethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	500
1,1,2-Trichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	220
Benzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	360
cis-1,3-Dichloropropene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	230
Bromoform	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	330
2-Hexanone	8260	1B0302	03-02-04	03-02-04	SHN	10000	<	ug/l	1000	10000	930
4-Methyl-2-pentanone (MIBK)	8260	1B0302	03-02-04	03-02-04	SHN	10000	<	ug/l	1000	10000	650
Tetrachloroethene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	350
Toluene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	540
Chlorobenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	340
Ethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	340
Styrene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	250
Xylenes, Total	8260	1B0302	03-02-04	03-02-04	SHN	31000	<	ug/l	1000	2000	1300
Methyl t-butyl ether (MTBE)	8260	1B0302	03-02-04	03-02-04	SHN	10000	<	ug/l	1000	10000	310
Naphthalene	8260	1B0302	03-02-04	03-02-04	SHN	5000	<	ug/l	1000	440	440
1,3,5-Trimethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	210
Isopropylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	250



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*5
Sample ID : KMW-6
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	1B0302	03-02-04	03-02-04	SHN	31000		ug/l	1000	1000	400
o-Xylene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	350
1,2,4-Trimethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	190
s-Butylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	240
n-Butylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	310
n-Propylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	1000	1000	320
Surrogate - Toluene-d8 *	8260	1B0302	03-02-04	03-02-04	SHN	102		%	1000		
Surrogate - 4-Bromofluorobenzene *	8260	1B0302	03-02-04	03-02-04	SHN	108		%	1000		
Surrogate - Dibromofluoromethane *	8260	1B0302	03-02-04	03-02-04	SHN	96		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*6
 Sample ID : KMW-7
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.9
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	6.2
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	5.6
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	7.8
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	50	<	ug/l	10	50	6.4
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	250	<	ug/l	10	250	50
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	6.6
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.6
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.6
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	20	<	ug/l	10	20	11
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.7
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.6
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	14
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.2
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.1
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	1.4
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	1.8
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.3
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.6
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.7
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	5.0
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.2
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	110		ug/l	10	10	3.6
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.3
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.3
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	9.3
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	6.5
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.5
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	5.4
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.4
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	120		ug/l	10	10	3.4
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.5
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	610		ug/l	10	20	13
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	3.1
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	190		ug/l	10	4.4	4.4
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	110		ug/l	10	10	2.1
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	12		ug/l	10	10	2.5



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*6
 Sample ID : KMW-7
 Matrix : LI
 Percent Solids :
 Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	600		ug/l	10	10	4.0
o-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	12		ug/l	10	10	3.5
1,2,4-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	410		ug/l	10	10	1.9
s-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.4
n-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.1
n-Propylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	26		ug/l	10	10	3.2
Surrogate - Toluene-d8 *	8260	2B0225	02-26-04	02-26-04	SHN	98		%	10		
Surrogate - 4-Bromofluorobenzene *	8260	2B0225	02-26-04	02-26-04	SHN	110		%	10		
Surrogate - Dibromofluoromethane *	8260	2B0225	02-26-04	02-26-04	SHN	100		%	10		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*7
 Sample ID : KMW-8
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	39
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	62
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	56
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	78
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	500	<	ug/l	100	500	64
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	2500	<	ug/l	100	2500	500
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	66
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	36
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	200	<	ug/l	100	200	110
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	37
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	26
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	1000	<	ug/l	100	1000	140
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	32
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	31
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	18
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	33
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	26
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	37
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	50
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	22
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	2600		ug/l	100	100	36
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	23
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	33
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	1000	<	ug/l	100	1000	93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	1000	<	ug/l	100	1000	65
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	35
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	820		ug/l	100	100	54
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	34
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	990		ug/l	100	100	34
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	25
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	9500		ug/l	100	200	130
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	1000	<	ug/l	100	1000	31
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	680		ug/l	100	44	44
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	380		ug/l	100	100	21
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	25



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*7
 Sample ID : KMW-8
 Matrix : LI
 Percent Solids :
 Sampled : 02-19-2004
 Received : 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m,p-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	8800		ug/l	100	100	40
o-Xylene	8260	2B0225	02-26-04	02-26-04	SHN	670		ug/l	100	100	35
1,2,4-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1400		ug/l	100	100	19
s-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	24
n-Butylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	100	<	ug/l	100	100	31
n-Propylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	110		ug/l	100	100	32
Surrogate - Toluene-d8 *	8260	2B0225	02-26-04	02-26-04	SHN	100		%	100		
Surrogate - 4-Bromofluorobenzene *	8260	2B0225	02-26-04	02-26-04	SHN	110		%	100		
Surrogate - Dibromofluoromethane *	8260	2B0225	02-26-04	02-26-04	SHN	106		%	100		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*8
 Sample ID : KMW-9
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	78
Bromomethane (Methyl bromide)	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	120
Vinyl chloride	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	110
Chloroethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	160
Methylene chloride (Dichloromethane)	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	200	1000	130
Acetone	8260	1B0302	03-02-04	03-02-04	SHN	5000	<	ug/l	200	5000	1000
Carbon disulfide	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	130
1,1-Dichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	72
1,1-Dichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	72
Cis/Trans-1,2-Dichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	400	<	ug/l	200	400	220
Chloroform	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	74
1,2-Dichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	52
2-Butanone (MEK)	8260	1B0302	03-02-04	03-02-04	SHN	2000	<	ug/l	200	2000	280
1,1,1-Trichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	64
Carbon tetrachloride	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	62
Bromodichloromethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	28
1,1,2,2-Tetrachloroethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	36
1,2-Dichloropropane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	66
trans-1,3-Dichloropropene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	52
Trichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	74
Dibromochloromethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	100
1,1,2-Trichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	44
Benzene	8260	1B0302	03-02-04	03-02-04	SHN	560		ug/l	200	200	72
cis-1,3-Dichloropropene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	46
Bromoform	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	66
2-Hexanone	8260	1B0302	03-02-04	03-02-04	SHN	2000	<	ug/l	200	2000	190
4-Methyl-2-pentanone (MIBK)	8260	1B0302	03-02-04	03-02-04	SHN	2000	<	ug/l	200	2000	130
Tetrachloroethene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	70
Toluene	8260	1B0302	03-02-04	03-02-04	SHN	310		ug/l	200	200	110
Chlorobenzene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	68
Ethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	830		ug/l	200	200	68
Styrene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	50
Xylenes, Total	8260	1B0302	03-02-04	03-02-04	SHN	7500		ug/l	200	400	260
Methyl t-butyl ether (MTBE)	8260	1B0302	03-02-04	03-02-04	SHN	2000	<	ug/l	200	2000	62
Naphthalene	8260	1B0302	03-02-04	03-02-04	SHN	1000	<	ug/l	200	88	88
1,3,5-Trimethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	330		ug/l	200	200	42
Isopropylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	50



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*8
 Sample ID : KMW-9
 Matrix : LI
 Percent Solids :
 Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	1B0302	03-02-04	03-02-04	SHN	6900		ug/l	200	200	80
o-Xylene	8260	1B0302	03-02-04	03-02-04	SHN	640		ug/l	200	200	70
1,2,4-Trimethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1400		ug/l	200	200	38
s-Butylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	48
n-Butylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	62
n-Propylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	200	<	ug/l	200	200	64
Surrogate - Toluene-d8 *	8260	1B0302	03-02-04	03-02-04	SHN	98		%	200		
Surrogate - 4-Bromofluorobenzene *	8260	1B0302	03-02-04	03-02-04	SHN	108		%	200		
Surrogate - Dibromofluoromethane *	8260	1B0302	03-02-04	03-02-04	SHN	98		%	200		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*9
 Sample ID : KMW-10
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.9
Bromomethane (Methyl bromide)	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	6.2
Vinyl chloride	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	5.6
Chloroethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	7.8
Methylene chloride (Dichloromethane)	8260	1B0226	02-26-04	02-26-04	SHN	50	<	ug/l	10	50	6.4
Acetone	8260	1B0226	02-26-04	02-26-04	SHN	250	<	ug/l	10	250	50
Carbon disulfide	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	6.6
1,1-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.6
1,1-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.6
Cis/Trans-1,2-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	20	<	ug/l	10	20	11
Chloroform	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.7
1,2-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.6
2-Butanone (MEK)	8260	1B0226	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	14
1,1,1-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.2
Carbon tetrachloride	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.1
Bromodichloromethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	1.4
1,1,2,2-Tetrachloroethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	1.8
1,2-Dichloropropane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.3
trans-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.6
Trichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.7
Dibromochloromethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	5.0
1,1,2-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.2
Benzene	8260	1B0226	02-26-04	02-26-04	SHN	440		ug/l	10	10	3.6
cis-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.3
Bromoform	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.3
2-Hexanone	8260	1B0226	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	9.3
4-Methyl-2-pentanone (MIBK)	8260	1B0226	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	6.5
Tetrachloroethene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.5
Toluene	8260	1B0226	02-26-04	02-26-04	SHN	28		ug/l	10	10	5.4
Chlorobenzene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.4
Ethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	190		ug/l	10	10	3.4
Styrene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.5
Xylenes, Total	8260	1B0226	02-26-04	02-26-04	SHN	260		ug/l	10	20	13
Methyl t-butyl ether (MTBE)	8260	1B0226	02-26-04	02-26-04	SHN	100	<	ug/l	10	100	3.1
Naphthalene	8260	1B0226	02-26-04	02-26-04	SHN	140		ug/l	10	4.4	4.4
1,3,5-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	38		ug/l	10	10	2.1
Isopropylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	19		ug/l	10	10	2.5



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*9
Sample ID : KMW-10
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	260		ug/l	10	10	4.0
o-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.5
1,2,4-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	190		ug/l	10	10	1.9
s-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	2.4
n-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	10	<	ug/l	10	10	3.1
n-Propylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	30		ug/l	10	10	3.2
Surrogate - Toluene-d8 *	8260	1B0226	02-26-04	02-26-04	SHN	98		%	10		
Surrogate - 4-Bromofluorobenzene *	8260	1B0226	02-26-04	02-26-04	SHN	112		%	10		
Surrogate - Dibromofluoromethane *	8260	1B0226	02-26-04	02-26-04	SHN	108		%	10		

**STL**

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*10
Sample ID : KMW-11
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	2B0225	02-26-04	02-26-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	2B0225	02-26-04	02-26-04	SHN	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	2B0225	02-26-04	02-26-04	SHN	10	<	ug/l	1	10	0.31
Naphthalene	8260	2B0225	02-26-04	02-26-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	2B0225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*10
Sample ID : KMW-11
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	280225	02-26-04	02-26-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	280225	02-26-04	02-26-04	SHN	100		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	280225	02-26-04	02-26-04	SHN	110		%	1		
Surrogate - Dibromofluoromethane *	8260	280225	02-26-04	02-26-04	SHN	106		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*11
 Sample ID : KMW-12
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	200
Bromomethane (Methyl bromide)	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	310
Vinyl chloride	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	280
Chloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	390
Methylene chloride (Dichloromethane)	8260	1B0226	02-26-04	02-26-04	SHN	2500	<	ug/l	500	2500	320
Acetone	8260	1B0226	02-26-04	02-26-04	SHN	12000	<	ug/l	500	12000	2500
Carbon disulfide	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	330
1,1-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
1,1-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
Cis/Trans-1,2-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	500	1000	550
Chloroform	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
1,2-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	130
2-Butanone (MEK)	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	690
1,1,1-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
Carbon tetrachloride	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
Bromodichloromethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	70
1,1,2,2-Tetrachloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	90
1,2-Dichloropropane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
trans-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	130
Trichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
Dibromochloromethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	250
1,1,2-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	110
Benzene	8260	1B0226	02-26-04	02-26-04	SHN	2400		ug/l	500	500	180
cis-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120
Bromoform	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
2-Hexanone	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	460
4-Methyl-2-pentanone (MIBK)	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	320
Tetrachloroethene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
Toluene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	270
Chlorobenzene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	170
Ethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1600		ug/l	500	500	170
Styrene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120
Xylenes, Total	8260	1B0226	02-26-04	02-26-04	SHN	13000		ug/l	500	1000	650
Methyl t-butyl ether (MTBE)	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	500	5000	160
Naphthalene	8260	1B0226	02-26-04	02-26-04	SHN	2500	<	ug/l	500	220	220
1,3,5-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	670		ug/l	500	500	100
Isopropylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*11
Sample ID : KMW-12
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	13000		ug/l	500	500	200
o-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	180
1,2,4-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	2700		ug/l	500	500	95
s-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	120
n-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
n-Propylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	500	<	ug/l	500	500	160
Surrogate - Toluene-d8 *	8260	1B0226	02-26-04	02-26-04	SHN	100		%	500		
Surrogate - 4-Bromofluorobenzene *	8260	1B0226	02-26-04	02-26-04	SHN	112		%	500		
Surrogate - Dibromofluoromethane *	8260	1B0226	02-26-04	02-26-04	SHN	104		%	500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*12
 Sample ID : KMW-13
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	390
Bromomethane (Methyl bromide)	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	620
Vinyl chloride	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	560
Chloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	780
Methylene chloride (Dichloromethane)	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	1000	5000	640
Acetone	8260	1B0226	02-26-04	02-26-04	SHN	25000	<	ug/l	1000	25000	5000
Carbon disulfide	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	660
1,1-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	360
1,1-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	360
Cis/Trans-1,2-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	2000	<	ug/l	1000	2000	1100
Chloroform	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	370
1,2-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	260
2-Butanone (MEK)	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	1400
1,1,1-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	320
Carbon tetrachloride	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	310
Bromodichloromethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	140
1,1,2,2-Tetrachloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	180
1,2-Dichloropropane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	330
trans-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	260
Trichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	370
Dibromochloromethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	500
1,1,2-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	220
Benzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	360
cis-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	230
Bromoform	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	330
2-Hexanone	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	930
4-Methyl-2-pentanone (MIBK)	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	650
Tetrachloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	350
Toluene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	540
Chlorobenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	340
Ethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	340
Styrene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	250
Xylenes, Total	8260	1B0226	02-26-04	02-26-04	SHN	70000		ug/l	1000	2000	1300
Methyl t-butyl ether (MTBE)	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	310
Naphthalene	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	1000	440	440
1,3,5-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	210
Isopropylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	250



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*12
Sample ID : KMW-13
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	71000		ug/l	1000	1000	400
o-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	350
1,2,4-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	190
s-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	240
n-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	310
n-Propylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	320
Surrogate - Toluene-d8 *	8260	1B0226	02-26-04	02-26-04	SHN	102		%	1000		
Surrogate - 4-Bromofluorobenzene *	8260	1B0226	02-26-04	02-26-04	SHN	110		%	1000		
Surrogate - Dibromofluoromethane *	8260	1B0226	02-26-04	02-26-04	SHN	106		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*13
 Sample ID : KMW-14
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	390
Bromomethane (Methyl bromide)	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	620
Vinyl chloride	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	560
Chloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	780
Methylene chloride (Dichloromethane)	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	1000	5000	640
Acetone	8260	1B0226	02-26-04	02-26-04	SHN	25000	<	ug/l	1000	25000	5000
Carbon disulfide	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	660
1,1-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	360
1,1-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	360
Cis/Trans-1,2-Dichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	2000	<	ug/l	1000	2000	1100
Chloroform	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	370
1,2-Dichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	260
2-Butanone (MEK)	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	1400
1,1,1-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	320
Carbon tetrachloride	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	310
Bromodichloromethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	140
1,1,2,2-Tetrachloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	180
1,2-Dichloropropane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	330
trans-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	260
Trichloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	370
Dibromochloromethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	500
1,1,2-Trichloroethane	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	220
Benzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	360
cis-1,3-Dichloropropene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	230
Bromoform	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	330
2-Hexanone	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	930
4-Methyl-2-pentanone (MIBK)	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	650
Tetrachloroethene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	350
Toluene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	540
Chlorobenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	340
Ethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	340
Styrene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	250
Xylenes, Total	8260	1B0226	02-26-04	02-26-04	SHN	62000		ug/l	1000	2000	1300
Methyl t-butyl ether (MTBE)	8260	1B0226	02-26-04	02-26-04	SHN	10000	<	ug/l	1000	10000	310
Naphthalene	8260	1B0226	02-26-04	02-26-04	SHN	5000	<	ug/l	1000	440	440
1,3,5-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	210
Isopropylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	250



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*13
Sample ID : KMW-14
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	62000		ug/l	1000	1000	400
o-Xylene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	350
1,2,4-Trimethylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	190
s-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	240
n-Butylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	310
n-Propylbenzene	8260	1B0226	02-26-04	02-26-04	SHN	1000	<	ug/l	1000	1000	320
Surrogate - Toluene-d8 *	8260	1B0226	02-26-04	02-26-04	SHN	100		%		1000	
Surrogate - 4-Bromofluorobenzene *	8260	1B0226	02-26-04	02-26-04	SHN	110		%		1000	
Surrogate - Dibromofluoromethane *	8260	1B0226	02-26-04	02-26-04	SHN	104		%		1000	



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*14
 Sample ID : AMW-1
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100302C2	03-02-04	03-02-04	ALB	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100302C2	03-02-04	03-02-04	ALB	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100302C2	03-02-04	03-02-04	ALB	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	0.31
Naphthalene	8260	100302C2	03-02-04	03-02-04	ALB	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	4.3		ug/l	1	1.0	0.21
Isopropylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*14
Sample ID : AMW-1
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	100302C2	03-02-04	03-02-04	ALB	105		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100302C2	03-02-04	03-02-04	ALB	98		%	1		
Surrogate - Dibromofluoromethane *	8260	100302C2	03-02-04	03-02-04	ALB	108		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*15
 Sample ID : AMW-2
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	78
Bromomethane (Methyl bromide)	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	120
Vinyl chloride	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	110
Chloroethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	160
Methylene chloride (Dichloromethane)	8260	100227C2	02-27-04	02-27-04	SIC	1000	<	ug/l	200	1000	130
Acetone	8260	100227C2	02-27-04	02-27-04	SIC	5000	<	ug/l	200	5000	1000
Carbon disulfide	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	130
1,1-Dichloroethene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	72
1,1-Dichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	72
Cis/Trans-1,2-Dichloroethene	8260	100227C2	02-27-04	02-27-04	SIC	400	<	ug/l	200	400	220
Chloroform	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	74
1,2-Dichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	52
2-Butanone (MEK)	8260	100227C2	02-27-04	02-27-04	SIC	2000	<	ug/l	200	2000	280
1,1,1-Trichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	64
Carbon tetrachloride	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	62
Bromodichloromethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	28
1,1,2,2-Tetrachloroethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	36
1,2-Dichloropropane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	66
trans-1,3-Dichloropropene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	52
Trichloroethene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	74
Dibromochloromethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	100
1,1,2-Trichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	44
Benzene	8260	100227C2	02-27-04	02-27-04	SIC	2200		ug/l	200	200	72
cis-1,3-Dichloropropene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	46
Bromoform	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	66
2-Hexanone	8260	100227C2	02-27-04	02-27-04	SIC	2000	<	ug/l	200	2000	190
4-Methyl-2-pentanone (MIBK)	8260	100227C2	02-27-04	02-27-04	SIC	2000	<	ug/l	200	2000	130
Tetrachloroethene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	70
Toluene	8260	100227C2	02-27-04	02-27-04	SIC	2000		ug/l	200	200	110
Chlorobenzene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	68
Ethylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1700		ug/l	200	200	68
Styrene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	50
Xylenes, Total	8260	100227C2	02-27-04	02-27-04	SIC	40000		ug/l	200	400	260
Methyl t-butyl ether (MTBE)	8260	100227C2	02-27-04	02-27-04	SIC	2000	<	ug/l	200	2000	62
Naphthalene	8260	100227C2	02-27-04	02-27-04	SIC	1000	<	ug/l	200	88	88
1,3,5-Trimethylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	600		ug/l	200	200	42
Isopropylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	50



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*15
Sample ID : AMW-2
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	100227C2	02-27-04	02-27-04	SIC	39000		ug/l	200	200	80
o-Xylene	8260	100227C2	02-27-04	02-27-04	SIC	940		ug/l	200	200	70
1,2,4-Trimethylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	2200		ug/l	200	200	38
s-Butylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	48
n-Butylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	200	<	ug/l	200	200	62
n-Propylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	300		ug/l	200	200	64
Surrogate - Toluene-d8 *	8260	100227C2	02-27-04	02-27-04	SIC	104		%		200	
Surrogate - 4-Bromofluorobenzene *	8260	100227C2	02-27-04	02-27-04	SIC	104		%		200	
Surrogate - Dibromofluoromethane *	8260	100227C2	02-27-04	02-27-04	SIC	110		%		200	



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*16
 Sample ID : AMW-3
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	20
Bromomethane (Methyl bromide)	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	31
Vinyl chloride	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	28
Chloroethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	39
Methylene chloride (Dichloromethane)	8260	100302C2	03-02-04	03-02-04	ALB	250	<	ug/l	50	250	32
Acetone	8260	100302C2	03-02-04	03-02-04	ALB	1200	<	ug/l	50	1200	250
Carbon disulfide	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	33
1,1-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	18
1,1-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	18
Cis/Trans-1,2-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	100	<	ug/l	50	100	55
Chloroform	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	18
1,2-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	13
2-Butanone (MEK)	8260	100302C2	03-02-04	03-02-04	ALB	500	<	ug/l	50	500	69
1,1,1-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	16
Carbon tetrachloride	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	16
Bromodichloromethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	7.0
1,1,2,2-Tetrachloroethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	9.0
1,2-Dichloropropane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	16
trans-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	13
Trichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	18
Dibromochloromethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	25
1,1,2-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	11
Benzene	8260	100302C2	03-02-04	03-02-04	ALB	170		ug/l	50	50	18
cis-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	12
Bromoform	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	16
2-Hexanone	8260	100302C2	03-02-04	03-02-04	ALB	500	<	ug/l	50	500	46
4-Methyl-2-pentanone (MIBK)	8260	100302C2	03-02-04	03-02-04	ALB	500	<	ug/l	50	500	32
Tetrachloroethene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	18
Toluene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	27
Chlorobenzene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	17
Ethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	50		ug/l	50	50	17
Styrene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	12
Xylenes, Total	8260	100302C2	03-02-04	03-02-04	ALB	2800		ug/l	50	100	65
Methyl t-butyl ether (MTBE)	8260	100302C2	03-02-04	03-02-04	ALB	500	<	ug/l	50	500	16
Naphthalene	8260	100302C2	03-02-04	03-02-04	ALB	250	<	ug/l	50	22	22
1,3,5-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	10
Isopropylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	12



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*16
 Sample ID : AMW-3
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	2800		ug/l	50	50	20
o-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	18
1,2,4-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	100		ug/l	50	50	9.5
s-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	12
n-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	16
n-Propylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	50	50	16
Surrogate - Toluene-d8 *	8260	100302C2	03-02-04	03-02-04	ALB	104		%	50		
Surrogate - 4-Bromofluorobenzene *	8260	100302C2	03-02-04	03-02-04	ALB	104		%	50		
Surrogate - Dibromofluoromethane *	8260	100302C2	03-02-04	03-02-04	ALB	112		%	50		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*17
 Sample ID : AMW-4
 Matrix : LI
 Percent Solids :

Sampled : 02-19-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.9
Bromomethane (Methyl bromide)	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	6.2
Vinyl chloride	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	5.6
Chloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	7.8
Methylene chloride (Dichloromethane)	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	10	50	6.4
Acetone	8260	100302C2	03-02-04	03-02-04	ALB	250	<	ug/l	10	250	50
Carbon disulfide	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	6.6
1,1-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.6
1,1-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.6
Cis/Trans-1,2-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	20	<	ug/l	10	20	11
Chloroform	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.7
1,2-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	2.6
2-Butanone (MEK)	8260	100302C2	03-02-04	03-02-04	ALB	100	<	ug/l	10	100	14
1,1,1-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.2
Carbon tetrachloride	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.1
Bromodichloromethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	1.4
1,1,2,2-Tetrachloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	1.8
1,2-Dichloropropane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.3
trans-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	2.6
Trichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.7
Dibromochloromethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	5.0
1,1,2-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	2.2
Benzene	8260	100302C2	03-02-04	03-02-04	ALB	420		ug/l	10	10	3.6
cis-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	2.3
Bromoform	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.3
2-Hexanone	8260	100302C2	03-02-04	03-02-04	ALB	100	<	ug/l	10	100	9.3
4-Methyl-2-pentanone (MIBK)	8260	100302C2	03-02-04	03-02-04	ALB	100	<	ug/l	10	100	6.5
Tetrachloroethene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.5
Toluene	8260	100302C2	03-02-04	03-02-04	ALB	17		ug/l	10	10	5.4
Chlorobenzene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.4
Ethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	21		ug/l	10	10	3.4
Styrene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	2.5
Xylenes, Total	8260	100302C2	03-02-04	03-02-04	ALB	98		ug/l	10	20	13
Methyl t-butyl ether (MTBE)	8260	100302C2	03-02-04	03-02-04	ALB	110		ug/l	10	100	3.1
Naphthalene	8260	100302C2	03-02-04	03-02-04	ALB	50	<	ug/l	10	4.4	4.4
1,3,5-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	93		ug/l	10	10	2.1
Isopropylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	28		ug/l	10	10	2.5



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*17
Sample ID : AMW-4
Matrix : LI
Percent Solids :
Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	98		ug/l	10	10	4.0
o-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.5
1,2,4-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	200		ug/l	10	10	1.9
s-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	13		ug/l	10	10	2.4
n-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	10	10	3.1
n-Propylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	34		ug/l	10	10	3.2
Surrogate - Toluene-d8 *	8260	100302C2	03-02-04	03-02-04	ALB	106		%	10		
Surrogate - 4-Bromofluorobenzene *	8260	100302C2	03-02-04	03-02-04	ALB	106		%	10		
Surrogate - Dibromofluoromethane *	8260	100302C2	03-02-04	03-02-04	ALB	114		%	10		

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*18
Sample ID : AMW-5
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100226C2	02-26-04	02-26-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100226C2	02-26-04	02-26-04	SIC	1.3		ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.31
Naphthalene	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*18
Sample ID : AMW-5
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	02-26-04	02-26-04	SIC	100		%	1		
Surrogate - Dibromofluoromethane *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*19
Sample ID : AMW-6
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100226C2	02-26-04	02-26-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100226C2	02-26-04	02-26-04	SIC	66		ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100226C2	02-26-04	02-26-04	SIC	2.2		ug/l	1	1.0	0.54
Chlorobenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	3.5		ug/l	1	1.0	0.34
Styrene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100226C2	02-26-04	02-26-04	SIC	25		ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100226C2	02-26-04	02-26-04	SIC	24		ug/l	1	10	0.31
Naphthalene	8260	100226C2	02-26-04	02-26-04	SIC	5.7		ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	5.5		ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*19
Sample ID : AMW-6
Matrix : LI
Percent Solids :

Sampled : 02-19-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	23		ug/l	1	1.0	0.40
o-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	2.2		ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	17		ug/l	1	1.0	0.19
s-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	4.2		ug/l	1	1.0	0.24
n-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	2.6		ug/l	1	1.0	0.31
n-Propylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.8		ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	100226C2	02-26-04	02-26-04	SIC	108		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	02-26-04	02-26-04	SIC	102		%	1		
Surrogate - Dibromofluoromethane *	8260	100226C2	02-26-04	02-26-04	SIC	108		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*20
Sample ID : 101
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0227	02-27-04	02-27-04	BS	12000		ug/l	250	250	78
Methyl t-butyl ether (MTBE)	602	1D0227	02-27-04	02-27-04	BS	8500		ug/l	250	2500	70
Surrogate - a,a,a-Trifluorotoluene *	602	1D0227	02-27-04	02-27-04	BS	127		%	250		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*21
Sample ID : 102
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0304	03-04-04	03-04-04	BS	150		ug/l	20	20	6.2
Methyl t-butyl ether (MTBE)	602	1D0304	03-04-04	03-04-04	BS	290		ug/l	20	200	5.6
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-04-04	03-04-04	BS	123		%	20		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*22
Sample ID : 104
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0227	02-27-04	02-27-04	BS	860		ug/l	50	50	16
Methyl t-butyl ether (MTBE)	602	1D0227	02-27-04	02-27-04	BS	500	<	ug/l	50	500	14
Surrogate - a,a,a-Trifluorotoluene *	602	1D0227	02-27-04	02-27-04	BS	123		%	50		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*23
Sample ID : 106
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0304	03-05-04	03-05-04	BS	87000		ug/l	2500	2500	780
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	25000	<	ug/l	2500	25000	700
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	100		%	2500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*24
Sample ID : 107
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0227	02-27-04	02-27-04	BS	88000		ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0227	02-27-04	02-27-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0227	02-27-04	02-27-04	BS	123		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*25
 Sample ID : 108
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-03-04	03-03-04	BS	120000		ug/l	4000	4000	1200
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	40000	<	ug/l	4000	40000	1100
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	120		%	4000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*26
Sample ID : 113
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-Xylene	602	1D0227	02-27-04	02-27-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0227	02-27-04	02-27-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0227	02-27-04	02-27-04	BS	113		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*27
Sample ID : 117
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0302	03-03-04	03-03-04	BS	100000	E	ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0302	03-03-04	03-03-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-03-04	03-03-04	BS	123		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*27*DL
Sample ID : 117
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m,p-Xylene	602	1D0304	03-05-04	03-05-04	BS	110000	D	ug/l	2500	2500	780
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	25000	<	ug/l	2500	25000	700
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	113		%	2500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*28
Sample ID : 119
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1B0305	03-05-04	03-05-04	BS	48		ug/l	20	20	6.2
Methyl t-butyl ether (MTBE)	602	1B0305	03-05-04	03-05-04	BS	990		ug/l	20	200	5.6
Surrogate - a,a,a-Trifluorotoluene *	602	1B0305	03-05-04	03-05-04	BS	97		%	20		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*29
Sample ID : MW-1
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1B0305	03-05-04	03-05-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1B0305	03-05-04	03-05-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1B0305	03-05-04	03-05-04	BS	103	%		1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*30
Sample ID : MW-2
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-03-04	03-03-04	BS	140000		ug/l	4000	4000	1200
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	40000	<	ug/l	4000	40000	1100
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	120		%	4000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*31
Sample ID : MW-3
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m,p-Xylene	602	1D0303	03-03-04	03-03-04	BS	110000		ug/l	4000	4000	1200
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	40000	<	ug/l	4000	40000	1100
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	113		%	4000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*32
Sample ID : MW-4
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-03-04	03-03-04	BS	66000		ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	120		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*33
Sample ID : MW-5
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-Xylene	602	1D0304	03-05-04	03-05-04	BS	1400		ug/l	50	50	16
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	500	<	ug/l	50	500	14
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	107		%	50		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*34
Sample ID : MW-8
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0304	03-05-04	03-05-04	BS	6800		ug/l	100	100	31
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	1000	<	ug/l	100	1000	28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	107		%	100		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*35
Sample ID : MW-9
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0302	03-02-04	03-02-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0302	03-02-04	03-02-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-02-04	03-02-04	BS	123		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*36
Sample ID : MW-11
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0302	03-03-04	03-03-04	BS	53000		ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0302	03-03-04	03-03-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-03-04	03-03-04	BS	120		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*37
 Sample ID : MW-12
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0303	03-03-04	03-03-04	BS	92000		ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	120		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*38
Sample ID : MW-13
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	6000		ug/l	100	100	31
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	1000	<	ug/l	100	1000	28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	120		%	100		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*39
Sample ID : MW-14
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0302	03-03-04	03-03-04	BS	180000	E	ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0302	03-03-04	03-03-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-03-04	03-03-04	BS	107		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*39*DL
Sample ID : MW-14
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	180000	D	ug/l	4000	4000	1200
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	40000	<	ug/l	4000	40000	1100
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	120		%	4000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*40
Sample ID : MW-15
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	99000	E	ug/l	500	500	160
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	5000	<	ug/l	500	5000	140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	123		%	500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*40*DL
Sample ID : MW-15
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0304	03-05-04	03-05-04	BS	75000	D	ug/l	2500	2500	780
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	25000	<	ug/l	2500	25000	700
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	103		%	2500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*41
Sample ID : MW-16
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	27000		ug/l	500	500	160
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	5000	<	ug/l	500	5000	140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	113		%	500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*42
Sample ID : MW-17
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	4600		ug/l	125	120	39
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	1200	<	ug/l	125	1200	35
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	110		%	125		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*43
Sample ID : MW-18
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1B0305	03-05-04	03-05-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1B0305	03-05-04	03-05-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1B0305	03-05-04	03-05-04	BS	110		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*44
Sample ID : MW-19
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0302	03-02-04	03-02-04	BS	5800		ug/l	100	100	31
Methyl t-butyl ether (MTBE)	602	1D0302	03-02-04	03-02-04	BS	1000	<	ug/l	100	1000	28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-02-04	03-02-04	BS	123		%	100		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*45
Sample ID : MW-20
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m,p-Xylene	602	1D0303	03-04-04	03-04-04	BS	14000		ug/l	500	500	160
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	5000	<	ug/l	500	5000	140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	110		%	500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*46
Sample ID : MW-28
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0303	03-03-04	03-03-04	BS	530		ug/l	10	10	3.1
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	100	<	ug/l	10	100	2.8
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	123		%	10		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*47
Sample ID : MW-32
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	5700		ug/l	100	100	31
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	1000	<	ug/l	100	1000	28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	123		%	100		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*48
Sample ID : MW-33
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0302	03-03-04	03-03-04	BS	3600		ug/l	100	100	31
Methyl t-butyl ether (MTBE)	602	1D0302	03-03-04	03-03-04	BS	1000	<	ug/l	100	1000	28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-03-04	03-03-04	BS	123		%	100		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*49
Sample ID : KRW-3
Matrix : LI
Percent Solids :
Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-04-04	03-04-04	BS	57000	E	ug/l	500	500	160
Methyl t-butyl ether (MTBE)	602	1D0303	03-04-04	03-04-04	BS	5000	<	ug/l	500	5000	140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-04-04	03-04-04	BS	110		%	500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*49*DL
Sample ID : KRW-3
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0304	03-05-04	03-05-04	BS	53000	D	ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	117		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*50
Sample ID : KRW-4
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-05-04	03-05-04	BS	18000		ug/l	500	500	160
Methyl t-butyl ether (MTBE)	602	1D0303	03-05-04	03-05-04	BS	5000	<	ug/l	500	5000	140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-05-04	03-05-04	BS	120		%	500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*51
Sample ID : KRW-5
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0302	03-03-04	03-03-04	BS	77000		ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0302	03-03-04	03-03-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-03-04	03-03-04	BS	117		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*52
Sample ID : KRW-6
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0304	03-05-04	03-05-04	BS	120000	E	ug/l	1000	1000	310
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	10000	<	ug/l	1000	10000	280
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	117		%	1000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*52*DL
Sample ID : KRW-6
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0304	03-05-04	03-05-04	BS	120000	D	ug/l	2000	2000	620
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	20000	<	ug/l	2000	20000	560
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	117		%	2000		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*53
 Sample ID : MW-7
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1D0304	03-05-04	03-05-04	BS	630000	E	ug/l	2500	2500	780
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	25000	<	ug/l	2500	25000	700
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	123		%	2500		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*53*DL
 Sample ID : MW-7
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0304	03-05-04	03-05-04	BS	570000	D	ug/l	10000	10000	3100
Methyl t-butyl ether (MTBE)	602	1D0304	03-05-04	03-05-04	BS	100000	<	ug/l	10000	10000	2800
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-05-04	03-05-04	BS	107		%		10000	

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*54
Sample ID : Trip Blank 1
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100226C2	02-26-04	02-26-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.31
Naphthalene	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	0.44	0.44
mp-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*54
Sample ID : Trip Blank 1
Matrix : LI
Percent Solids :

Sampled : 02-20-2004
Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Isopropylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
1,2,4-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
1,3,5-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.21
Surrogate - Toluene-d8 *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	02-26-04	02-26-04	SIC	100		%	1		
Surrogate - Dibromofluoromethane *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
mp-Xylene	602	1D0302	03-02-04	03-02-04	B5	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0302	03-02-04	03-02-04	B5	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-02-04	03-02-04	B5	123		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*55
 Sample ID : Trip Blank 2
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100226C2	02-26-04	02-26-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.31
Naphthalene	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	0.44	0.44
mp-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*55
 Sample ID : Trip Blank 2
 Matrix : LI
 Percent Solids :
 Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Isopropylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
1,2,4-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
1,3,5-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.21
Surrogate - Toluene-d8 *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	02-26-04	02-26-04	SIC	100		%	1		
Surrogate - Dibromofluoromethane *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
mp-Xylene	602	1D0302	03-02-04	03-02-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0302	03-02-04	03-02-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-02-04	03-02-04	BS	120		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*56
 Sample ID : Trip Blank 3
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100226C2	02-26-04	02-26-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.31
Naphthalene	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	0.44	0.44
mp-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*56
 Sample ID : Trip Blank 3
 Matrix : LI
 Percent Solids :

Sampled : 02-20-2004
 Received: 02-24-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Isopropylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
1,2,4-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
1,3,5-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.21
Surrogate - Toluene-d8 *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	02-26-04	02-26-04	SIC	100		%	1		
Surrogate - Dibromofluoromethane *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
mp-Xylene	602	1D0302	03-02-04	03-02-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0302	03-02-04	03-02-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-02-04	03-02-04	BS	110		%	1		

**STL**

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*57
Sample ID : Method Blank
Matrix : LI
Percent Solids :
Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100226C2	02-26-04	02-26-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100226C2	02-26-04	02-26-04	SIC	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100226C2	02-26-04	02-26-04	SIC	10	<	ug/l	1	10	0.31
Naphthalene	8260	100226C2	02-26-04	02-26-04	SIC	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*57
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :
 Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100226C2	02-26-04	02-26-04	SIC	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	02-26-04	02-26-04	SIC	100		%	1		
Surrogate - Dibromofluoromethane *	8260	100226C2	02-26-04	02-26-04	SIC	106		%	1		
mp-Xylene	602	1D0227	02-27-04	02-27-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0227	02-27-04	02-27-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0227	02-27-04	02-27-04	BS	113		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*61
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100227C2	02-27-04	02-27-04	SIC	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100227C2	02-27-04	02-27-04	SIC	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100227C2	02-27-04	02-27-04	SIC	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100227C2	02-27-04	02-27-04	SIC	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100227C2	02-27-04	02-27-04	SIC	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100227C2	02-27-04	02-27-04	SIC	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100227C2	02-27-04	02-27-04	SIC	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	100227C2	02-27-04	02-27-04	SIC	10	<	ug/l	1	10	0.31
Naphthalene	8260	100227C2	02-27-04	02-27-04	SIC	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*61
Sample ID : Method Blank
Matrix : LI
Percent Solids :
Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100227C2	02-27-04	02-27-04	SIC	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	100227C2	02-27-04	02-27-04	SIC	104		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100227C2	02-27-04	02-27-04	SIC	102		%	1		
Surrogate - Dibromofluoromethane *	8260	100227C2	02-27-04	02-27-04	SIC	108		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*64
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	1B0302	03-02-04	03-02-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	1B0302	03-02-04	03-02-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	1B0302	03-02-04	03-02-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,1,2-Tetrachloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	1B0302	03-02-04	03-02-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	1B0302	03-02-04	03-02-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	1B0302	03-02-04	03-02-04	SHN	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	1B0302	03-02-04	03-02-04	SHN	10	<	ug/l	1	10	0.31
Naphthalene	8260	1B0302	03-02-04	03-02-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*64
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	1B0302	03-02-04	03-02-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	1B0302	03-02-04	03-02-04	SHN	98		%	1		
Surrogate -											
4-Bromofluorobenzene *	8260	1B0302	03-02-04	03-02-04	SHN	108		%	1		
Surrogate -											
Dibromofluoromethane *	8260	1B0302	03-02-04	03-02-04	SHN	98		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*67
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	2B0225	02-25-04	02-25-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	2B0225	02-25-04	02-25-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-25-04	02-25-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	2B0225	02-25-04	02-25-04	SHN	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	0.31
Naphthalene	8260	2B0225	02-25-04	02-25-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*67
Sample ID : Method Blank
Matrix : LI
Percent Solids :
Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	280225	02-25-04	02-25-04	SHN	102		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	280225	02-25-04	02-25-04	SHN	108		%	1		
Surrogate - Dibromofluoromethane *	8260	280225	02-25-04	02-25-04	SHN	100		%	1		

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*70
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	2B0225	02-25-04	02-25-04	SHN	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	2B0225	02-25-04	02-25-04	SHN	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	2B0225	02-25-04	02-25-04	SHN	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	2B0225	02-25-04	02-25-04	SHN	2.0	<	ug/l	1	2.0	1.3
Methyl t-butyl ether (MTBE)	8260	2B0225	02-25-04	02-25-04	SHN	10	<	ug/l	1	10	0.31
Naphthalene	8260	2B0225	02-25-04	02-25-04	SHN	5.0	<	ug/l	1	0.44	0.44
1,3,5-Trimethylbenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.21
Isopropylbenzene	8260	2B0225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.25



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*70
Sample ID : Method Blank
Matrix : LI
Percent Solids :
Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.19
s-Butylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	280225	02-25-04	02-25-04	SHN	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	280225	02-25-04	02-25-04	SHN	102		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	280225	02-25-04	02-25-04	SHN	108		%	1		
Surrogate - Dibromofluoromethane *	8260	280225	02-25-04	02-25-04	SHN	100		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*73
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :
 Sampled :
 Received :

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Chloromethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.39
Bromomethane (Methyl bromide)	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.62
Vinyl chloride	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.56
Chloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.78
Methylene chloride (Dichloromethane)	8260	100302C2	03-02-04	03-02-04	ALB	5.0	<	ug/l	1	5.0	0.64
Acetone	8260	100302C2	03-02-04	03-02-04	ALB	25	<	ug/l	1	25	5.0
Carbon disulfide	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.66
1,1-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.36
1,1-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.36
Cis/Trans-1,2-Dichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	2.0	<	ug/l	1	2.0	1.1
Chloroform	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.37
1,2-Dichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.26
2-Butanone (MEK)	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	1.4
1,1,1-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.32
Carbon tetrachloride	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.31
Bromodichloromethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.14
1,1,2,2-Tetrachloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.18
1,2-Dichloropropane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.33
trans-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.26
Trichloroethene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.37
Dibromochloromethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.50
1,1,2-Trichloroethane	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.22
Benzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.36
cis-1,3-Dichloropropene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.23
Bromoform	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.33
2-Hexanone	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	0.93
4-Methyl-2-pentanone (MIBK)	8260	100302C2	03-02-04	03-02-04	ALB	10	<	ug/l	1	10	0.65
Tetrachloroethene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.35
Toluene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.54
Chlorobenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.34
Ethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.34
Styrene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.25
Xylenes, Total	8260	100302C2	03-02-04	03-02-04	ALB	2.0	<	ug/l	1	2.0	1.3
Isopropylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.25
mp-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.40
o-Xylene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.35
1,2,4-Trimethylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.19



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*73
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
s-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.24
n-Butylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.31
n-Propylbenzene	8260	100302C2	03-02-04	03-02-04	ALB	1.0	<	ug/l	1	1.0	0.32
Surrogate - Toluene-d8 *	8260	100302C2	03-02-04	03-02-04	ALB	104		%	1		
Surrogate - 4-Bromofluorobenzene *	8260	100302C2	03-02-04	03-02-04	ALB	102		%	1		
Surrogate - Dibromofluoromethane *	8260	100302C2	03-02-04	03-02-04	ALB	108		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*76
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0302	03-02-04	03-02-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0302	03-02-04	03-02-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	03-02-04	03-02-04	BS	120		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*79
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0303	03-03-04	03-03-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0303	03-03-04	03-03-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	03-03-04	03-03-04	BS	123		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*82
Sample ID : Method Blank
Matrix : LI
Percent Solids :
Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
mp-Xylene	602	1D0304	03-04-04	03-04-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1D0304	03-04-04	03-04-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	03-04-04	03-04-04	BS	113		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*85
 Sample ID : Method Blank
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
m-p-Xylene	602	1B0305	03-05-04	03-05-04	BS	1.0	<	ug/l	1	1.0	0.31
Methyl t-butyl ether (MTBE)	602	1B0305	03-05-04	03-05-04	BS	10	<	ug/l	1	10	0.28
Surrogate - a,a,a-Trifluorotoluene *	602	1B0305	03-05-04	03-05-04	BS	110		%	1		



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*58
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
1,1-Dichloroethene	8260	100226C2	19	25	ug/l	76	53-144
Trichloroethene	8260	100226C2	22	25	ug/l	88	70-123
Benzene	8260	100226C2	21	25	ug/l	84	69-128
Toluene	8260	100226C2	23	25	ug/l	92	71-129
Chlorobenzene	8260	100226C2	25	25	ug/l	100	72-126
Surrogate - Toluene-d8 *	8260	100226C2	24	25	ug/l	96	74-122
Surrogate - 4-Bromofluorobenzene *	8260	100226C2	24	25	ug/l	96	70-119
Surrogate - Dibromofluoromethane *	8260	100226C2	24	25	ug/l	96	68-129
mp-Xylene	602	1D0227	47	40	ug/l	118	54-125
Methyl t-butyl ether (MTBE)	602	1D0227	25	20	ug/l	125	40-140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0227	48	30	ug/l	160	69-124



STL

STL Savannah

Client : Catlin Engineers & Scientists
 Work Order ID : FHR North Terminal
 Laboratory ID : S441443*62
 Sample ID : Lab Control Standard Result
 Matrix : LI
 Percent Solids :

Sampled :
 Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
1,1-Dichloroethene	8260	100227C2	56	25	ug/l	112	53-144
Trichloroethene	8260	100227C2	55	25	ug/l	110	70-123
Benzene	8260	100227C2	52	25	ug/l	104	69-128
Toluene	8260	100227C2	53	25	ug/l	106	71-129
Chlorobenzene	8260	100227C2	57	25	ug/l	114	72-126
Surrogate - Toluene-d8 *	8260	100227C2	56	25	ug/l	112	74-122
Surrogate - 4-Bromofluorobenzene *	8260	100227C2	57	25	ug/l	114	70-119
Surrogate - Dibromofluoromethane *	8260	100227C2	61	25	ug/l	122	68-129



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*65
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
1,1-Dichloroethene	8260	1B0302	24	25	ug/l	96	53-144
Trichloroethene	8260	1B0302	24	25	ug/l	96	70-123
Benzene	8260	1B0302	23	25	ug/l	92	69-128
Toluene	8260	1B0302	23	25	ug/l	92	71-129
Chlorobenzene	8260	1B0302	23	25	ug/l	92	72-126
Surrogate - Toluene-d8 *	8260	1B0302	23	25	ug/l	92	74-122
Surrogate - 4-Bromofluorobenzene *	8260	1B0302	25	25	ug/l	100	70-119
Surrogate - Dibromofluoromethane *	8260	1B0302	23	25	ug/l	92	68-129



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*68
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
1,1-Dichloroethene	8260	2B0225	45	25	ug/l	90	53-144
Trichloroethene	8260	2B0225	49	25	ug/l	98	70-123
Benzene	8260	2B0225	48	25	ug/l	96	69-128
Toluene	8260	2B0225	49	25	ug/l	98	71-129
Chlorobenzene	8260	2B0225	47	25	ug/l	94	72-126
Surrogate - Toluene-d8 *	8260	2B0225	50	25	ug/l	100	74-122
Surrogate - 4-Bromofluorobenzene *	8260	2B0225	52	25	ug/l	104	70-119
Surrogate - Dibromofluoromethane *	8260	2B0225	47	25	ug/l	94	68-129



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*71
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
1,1-Dichloroethene	8260	1B0226	21	25	ug/l	84	53-144
Trichloroethene	8260	1B0226	23	25	ug/l	92	70-123
Benzene	8260	1B0226	22	25	ug/l	88	69-128
Toluene	8260	1B0226	22	25	ug/l	88	71-129
Chlorobenzene	8260	1B0226	23	25	ug/l	92	72-126
Surrogate - Toluene-d8 *	8260	1B0226	23	25	ug/l	92	74-122
Surrogate - 4-Bromofluorobenzene *	8260	1B0226	25	25	ug/l	100	70-119
Surrogate - Dibromofluoromethane *	8260	1B0226	24	25	ug/l	96	68-129



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*74
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
1,1-Dichloroethene	8260	100302C2	26	25	ug/l	104	53-144
Trichloroethene	8260	100302C2	25	25	ug/l	100	70-123
Benzene	8260	100302C2	24	25	ug/l	96	69-128
Toluene	8260	100302C2	24	25	ug/l	96	71-129
Chlorobenzene	8260	100302C2	25	25	ug/l	100	72-126
Surrogate - Toluene-d8 *	8260	100302C2	25	25	ug/l	100	74-122
Surrogate - 4-Bromofluorobenzene *	8260	100302C2	24	25	ug/l	96	70-119
Surrogate - Dibromofluoromethane *	8260	100302C2	26	25	ug/l	104	68-129



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*77
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
mp-Xylene	602	1D0302	46	40	ug/l	115	54-125
Methyl t-butyl ether (MTBE)	602	1D0302	19	20	ug/l	95	40-140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0302	85	30	ug/l	106	69-124



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*80
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
mp-Xylene	602	1D0303	44	40	ug/l	110	54-125
Methyl t-butyl ether (MTBE)	602	1D0303	14	20	ug/l	70	40-140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0303	76	30	ug/l	95	69-124



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*83
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
mp-Xylene	602	1D0304	42	40	ug/l	105	54-125
Methyl t-butyl ether (MTBE)	602	1D0304	20	20	ug/l	100	40-140
Surrogate - a,a,a-Trifluorotoluene *	602	1D0304	80	30	ug/l	100	69-124



STL

STL Savannah

Client : Catlin Engineers & Scientists
Work Order ID : FHR North Terminal
Laboratory ID : S441443*86
Sample ID : Lab Control Standard Result
Matrix : LI
Percent Solids :
Sampled :
Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
m-p-Xylene	602	1B0305	38	40	ug/l	95	54-125
Methyl t-butyl ether (MTBE)	602	1B0305	19	20	ug/l	95	40-140
Surrogate - a,a,a-Trifluorotoluene *	602	1B0305	34	30	ug/l	113	69-124

STL SAVANNAH

Data Qualifiers

Inorganic Data

- B The reported result is an estimated concentration that is less than the PQL, but greater than or equal to the MDL.
- E The reported value is an estimated because of the presence of matrix interference.
- N The matrix spike recovery is not within control limits. See case narrative.
- S The result was determined by Method of Standard Addition (MSA).
- U The compound was analyzed for, but was not detected at or above the MDL/PQL.
- < The compound was analyzed for, but was not detected at or above the PQL.
- W The post-digestion spike for furnace AA analysis was out of control limits, while sample absorbance was less than 50% of spike absorbance.
- * Duplicate analysis is not within control limits.

Organic Data

- B The analyte was found in the associated method blank.
- D The reported result is from a secondary dilution
- *F33 Control limits are established only for surrogate concentration levels specified by EPA methods. Because the sample was diluted prior to analysis, surrogate recoveries are not reported.
- E The reported result exceeded the calibration range of the instrument.
- J The reported result is an estimated concentration that is less than the PQL, but greater than or equal to the MDL.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two GC columns or HPLC detectors.
- U The compound was analyzed for, but was not detected at or above the MDL/PQL.
- < The compound was analyzed for but was not detected at or above the PQL.
- *F53 Because surrogate recoveries were outside established limits the sample was re-extracted and/or reanalyzed. Comparable results were obtained.
- *F54 Because surrogate recoveries were outside established limits, the sample was re-extracted and/or reanalyzed. Both sets of data are provided.
- *F36 Surrogate recovery was outside of established limits due to a coeluting matrix interference present in the sample.
- X Surrogate recovery was outside of advisory limits.
- Y Spike recovery was outside of advisory limits.

Universal

- *F61 The recoveries of the matrix spikes are outside advisory limits due to the abundance of the target analyte in the sample.
- *F65 Elevated detection limits were reported due to sample matrix interference which required sample or extract dilution.
- *F73 Matrix spike recoveries were outside advisory limits due to matrix interference present in the sample.
- *F82 Insufficient sample volume was available to perform batch specific matrix spikes.

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**SEVERN
TRENT**

STL

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>FAIR NORTH TERR</i>		PROJECT NO. <i>201-125</i>	PROJECT LOCATION (STATE) <i>NC</i>	MATRIX TYPE	REQUIRED ANALYSIS										PAGE <i>1</i>	OF <i>2</i>
STL (LAB) PROJECT MANAGER <i>ANGIE W</i>		P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT,...) <i>EPA 3260 B</i>	PRESERVATIVE										STANDARD REPORT DELIVERY <i>ⓐ</i>	
CLIENT (SITE) PM <i>ELIZABETH RASOR</i>		CLIENT PHONE	CLIENT FAX												DATE DUE <i>3/3/04</i>	
CLIENT NAME <i>REISS</i>		CLIENT E-MAIL <i>E.RASOR@KROCHIND.COM</i>													EXPEDITED REPORT DELIVERY (SURCHARGE) <i>○</i>	
CLIENT ADDRESS															DATE DUE _____	
COMPANY CONTRACTING THIS WORK (if applicable) <i>CATLIN ENG & SC / JEFF BECICH</i>															NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED										REMARKS	
DATE	TIME															
<i>2-19-04</i>	<i>1470</i>	<i>KMW-1</i>			<i>4</i>											
	<i>1350</i>	<i>KMW-3</i>			<i>4</i>											
	<i>1450</i>	<i>KMW-4</i>														
	<i>1435</i>	<i>KMW-5</i>														
	<i>1175</i>	<i>KMW-6</i>														
	<i>1120</i>	<i>KMW-7</i>														
	<i>1110</i>	<i>KMW-8</i>													<i>TEMP 19/17</i>	
	<i>1050</i>	<i>KMW-9</i>														
	<i>1110</i>	<i>KMW-10</i>														
	<i>1045</i>	<i>KMW-11</i>														
	<i>1150</i>	<i>KMW-12</i>														
	<i>1150</i>	<i>KMW-13</i>														
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE <i>2-23-04</i>	TIME <i>1530</i>	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)			DATE	TIME				
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)			DATE	TIME				

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/24/04</i>	TIME <i>9:44</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	STL SAVANNAH LOG NO. <i>544144B</i>	LABORATORY REMARKS
---	------------------------	---------------------	---	------------------	--	--------------------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**SEVERN
TRENT**

STL

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>FHR NORTH TERM</i>		PROJECT NO. <i>201-125</i>	PROJECT LOCATION (STATE) <i>NC</i>	MATRIX TYPE	REQUIRED ANALYSIS										PAGE <i>2</i>	OF <i>2</i>	
STL (LAB) PROJECT MANAGER <i>ANGIE W.</i>		P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	EPA METHOD 826.B	<p style="text-align: center; font-size: 2em; opacity: 0.5;">PRESERVATIVE</p>										STANDARD REPORT DELIVERY <input checked="" type="checkbox"/>	
CLIENT (SITE) PM <i>ELIZABETH RASOR</i>		CLIENT PHONE	CLIENT FAX													DATE DUE <i>3/2/04</i>	
CLIENT NAME <i>FHR / REISS</i>		CLIENT E-MAIL <i>ERASOR@KOCHEMID.COM</i>														EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="checkbox"/>	
CLIENT ADDRESS																DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable) <i>CATLIN ENG. & SERV. / JEFF BECKER</i>				NUMBER OF CONTAINERS SUBMITTED										NUMBER OF COOLERS SUBMITTED PER SHIPMENT: <i>1</i>			
SAMPLE		SAMPLE IDENTIFICATION												REMARKS			
DATE	TIME			<p style="text-align: right; font-size: 1.5em;">TRIP 1.9/1.7</p>													
<i>2-19-04</i>	<i>1210</i>	<i>KMW-14</i>															
	<i>1225</i>	<i>AMW-1</i>															
	<i>1210</i>	<i>AMW-2</i>															
	<i>1320</i>	<i>AMW-3</i>															
	<i>1305</i>	<i>AMW-4</i>															
	<i>1235</i>	<i>AMW-5</i>															
	<i>1255</i>	<i>AMW-6</i>															
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE <i>2/23/04</i>	TIME <i>1530</i>	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME						
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/24/04</i>	TIME <i>1744</i>	CUSTODY INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	CUSTODY SEAL NO. <i>5441443</i>	STL SAVANNAH LOG NO. <i>5441443</i>	LABORATORY REMARKS
---	------------------------	---------------------	---	------------------------------------	--	--------------------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>FHR NORTH TERMINAL</i>		PROJECT NO. <i>201-125</i>	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS										PAGE <i>1</i>	OF <i>3</i>				
STL (LAB) PROJECT MANAGER <i>AGGIE W.</i>		P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT,...)	M/P XYLENES	M.T.B.E.	PPEL EPA 602	PRESERVATIVE											STANDARD REPORT DELIVERY <input checked="" type="radio"/>	DATE DUE <i>3/2/04</i>
CLIENT (SITE) PM <i>ELIZABETH RASOR</i>		CLIENT PHONE	CLIENT FAX																EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE
CLIENT NAME <i>REISS (FHR)</i>		CLIENT E-MAIL <i>CRASOR@KROCHILLD.COM</i>																	NUMBER OF COOLERS SUBMITTED PER SHIPMENT: <i>1</i>	
CLIENT ADDRESS		COMPANY CONTRACTING THIS WORK (if applicable) <i>CATUM Eng. & Sci. / TREE BECHTEL</i>																	REMARKS	
DATE	TIME	SAMPLE IDENTIFICATION																		
<i>2-20-04</i>	<i>1205</i>	<i>101</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
	<i>1220</i>	<i>102</i>																		
	<i>1155</i>	<i>104</i>																		
	<i>1230</i>	<i>106</i>																		
	<i>1100</i>	<i>107</i>																		
	<i>1110</i>	<i>108</i>																		
	<i>1135</i>	<i>113</i>																		
	<i>1310</i>	<i>117</i>																		
	<i>1040</i>	<i>119</i>																		
	<i>0945</i>	<i>MW-1</i>																		
	<i>1345</i>	<i>MW-2</i>																		
	<i>1220</i>	<i>MW-3</i>																	<i>TRIP 1.9/1.7</i>	

RELIQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/23/04</i>	TIME <i>1530</i>	RELIQUISHED BY: (SIGNATURE)	DATE	TIME	RELIQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/24/04</i>	TIME <i>9:44</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	STL SAVANNAH LOG NO. <i>54474/15</i>	LABORATORY REMARKS
---	------------------------	---------------------	---	------------------	---	--------------------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**SEVERN
TRENT** **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>FHR NORTH TULLOCH</i>	PROJECT NO. <i>241-125</i>	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS						PAGE <i>2</i>	OF <i>3</i>
STL (LAB) PROJECT MANAGER <i>ANGIE W. / Amy B</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT...) <i>M/P XYLENES</i> <i>4 MTBE</i> <i>PER EPA 602</i>	PRESERVATIVE						STANDARD REPORT DELIVERY <input checked="" type="radio"/>	
CLIENT (SITE) PM <i>ELIZABETH PASOR</i>	CLIENT PHONE	CLIENT FAX								EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	
CLIENT NAME <i>REISS (FHR)</i>	CLIENT E-MAIL <i>EPASOR@KUSCHIND.COM</i>									DATE DUE <i>3/2/04</i>	
CLIENT ADDRESS <i>C.</i>	NUMBER OF COOLERS SUBMITTED PER SHIPMENT: <i>1</i>									DATE DUE	

COMPANY CONTRACTING THIS WORK (if applicable)
CATLIN ENG. & SOL. / JEFF BEGUEH

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED						REMARKS	
DATE	TIME							1	2	3	4	5	6		7
<i>2-20-04</i>	<i>1154</i>	<i>MW-11</i>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	<i>1444</i>	<i>MW-5</i>													
	<i>1335</i>	<i>MW-8</i>													
	<i>1415</i>	<i>MW-9</i>													
	<i>1325</i>	<i>MW-11</i>													
	<i>1334</i>	<i>MW-12</i>													
	<i>1245</i>	<i>MW-13</i>													
	<i>1444</i>	<i>MW-14</i>													
	<i>1424</i>	<i>MW-15</i>													
	<i>1134</i>	<i>MW-16</i>													
	<i>1454</i>	<i>MW-17</i>													
	<i>1144</i>	<i>MW-18</i>													

TEMP 1.9/1.7

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2-23-04</i>	TIME <i>1330</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/24/04</i>	TIME <i>9:44</i>	CUSTODY INTACT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CUSTODY SEAL NO.	STL SAVANNAH LOG NO. <i>54611113</i>	LABORATORY REMARKS
---	------------------------	---------------------	--	------------------	---	--------------------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>FHR MURTH TERMINAL</i>	PROJECT NO. <i>201-125</i>	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS								PAGE <i>3</i>	OF <i>3</i>
STL (LAB) PROJECT MANAGER <i>ANGIE W. / AMY B.</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT,...)	<i>M/P XYLENES</i>	<i>M/TBE</i>	<i>WATER EPA 602</i>	<i>PRESERVATIVE</i>						STANDARD REPORT DELIVERY <input checked="" type="checkbox"/>
CLIENT (SITE) PM <i>ELIZABETH RASOR</i>	CLIENT PHONE	CLIENT FAX											DATE DUE <i>3/8/04</i>
CLIENT NAME <i>REISS (FHR)</i>	CLIENT E-MAIL <i>ERASOR@KOCHEMHD.COM</i>												EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="checkbox"/>
CLIENT ADDRESS													DATE DUE

COMPANY CONTRACTING THIS WORK (if applicable)
CATLIN ENG. & SOL. / TRFF BECKEN

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	NUMBER OF CONTAINERS SUBMITTED								REMARKS	
DATE	TIME																
<i>2-23-04</i>	<i>1110</i>	<i>MW-19</i>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
	<i>1250</i>	<i>MW-20</i>															
	<i>1305</i>	<i>MW-28</i>															
	<i>1240</i>	<i>MW-32</i>															
	<i>1250</i>	<i>MW-33</i>															
	<i>1120</i>	<i>KRW-3</i>															
	<i>1700</i>	<i>KRW-4</i>															<i>TEMP 119/117</i>
	<i>1015</i>	<i>KRW-5</i>															
	<i>1050</i>	<i>KRW-6</i>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2-23-04</i>	TIME <i>1330</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/24/04</i>	TIME <i>9:44</i>	CUSTODY INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	CUSTODY SEAL NO.	STL SAVANNAH LOG NO. <i>2411143</i>	LABORATORY REMARKS

APPENDIX B

**WELL CONSTRUCTION RECORDS
FOR NEW MONITORING WELLS**

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Bobbie Fowler CERTIFICATION # 2869
WELL CONTRACTOR COMPANY NAME CATLIN Engineers & Scientists PHONE # (910) 452-5861
STATE WELL CONSTRUCTION PERMIT # 2869 ASSOCIATED WO PERMIT # N/A
(if applicable) (if applicable)

AMW-1

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION: (Show sketch of the location below)
Nearest Town: Wilmington County: New Hanover
3334 River Rd.
(Road Name and Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land Setting
 Ridge Slope Valley Flat
(check appropriate box)
Northing/Easting of well location
160706.875/2317194.949

3. OWNER: FLINT HILLS RESOURCES, LP
Address: 3334 River Road
(Street or Route No.)
Wilmington NC 28412
City or Town State Zip Code
(910) 799-0180
Area code - Phone number

Latitude/longitude source: GPS Topo. map
(check box)
DEPTH DRILLING LOG
From To Formation Description

4. DATE DRILLED: 12/16/2003
5. TOTAL DEPTH: 15
6. DOES WELL REPLACE EXISTING WELL? YES NO
7. STATIC WATER LEVEL Below Top of Casing 8.93 FT.
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 3 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

SEE
ATTACHED

9. YIELD (gpm): N/A METHOD OF TEST N/A
10. WATER ZONES (depth): Surficial Aquifer

12. DISINFECTION: Type N/A Amount N/A
13. CASING:

Depth	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>-3</u> To <u>5</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____	_____
From _____ To _____ ft.	_____ in.	_____	_____

14. GROUT:

Depth	Material	Method
From _____ To _____ ft.	_____	_____
From <u>1</u> To <u>2</u> ft.	<u>Bent. Pellets</u>	<u>Surface Pour</u>

15. SCREEN:

Depth	Diameter	Slot Size	Material
From <u>5</u> To <u>15</u> ft.	<u>2</u> in.	<u>Slot .010 in.</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____ in.	_____

16. SAND/GRAVEL PACK:

Depth	Size	Material
From <u>2</u> To <u>15</u> ft.	<u>#2 Medium</u>	<u>Torpedo Sand</u>
From _____ To _____ ft.	_____	_____

SEE
ATTACHED

17. REMARKS: _____

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.

Bobbie Fowler
SIGNATURE OF PERSON CONSTRUCTING THE WELL

1-12-04
DATE

Submit original to Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days. Modified from: GW-1 REV.07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Bobbie Fowler CERTIFICATION # 2869
 WELL CONTRACTOR COMPANY NAME CATLIN Engineers & Scientists PHONE # (910) 452-5861
 STATE WELL CONSTRUCTION PERMIT # 2869 ASSOCIATED WQ PERMIT # N/A
(if applicable) (if applicable)

AMW-2

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
 Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION: (Show sketch of the location below)
 Nearest Town: Wilmington County: New Hanover
3334 River Rd.
(Road Name and Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land Setting
 Ridge Slope Valley Flat
(check appropriate box)

Northing/Easting of well location
160942.336/2317280.449

3. OWNER: FLINT HILLS RESOURCES, LP
 Address: 3334 River Road
(Street or Route No.)
Wilmington NC 28412
City or Town State Zip Code
(910) 799-0180
Area code - Phone number

Latitude/longitude source: GPS Topo. map
(check box)

DEPTH DRILLING LOG
 From To Formation Description

4. DATE DRILLED: 12/16/2003
 5. TOTAL DEPTH: 15
 6. DOES WELL REPLACE EXISTING WELL? YES NO
 7. STATIC WATER LEVEL Below Top of Casing 9.05 FT.
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*
 * Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

SEE
ATTACHED

9. YIELD (gpm): N/A METHOD OF TEST N/A
 10. WATER ZONES (depth): Surficial Aquifer

12. DISINFECTION: Type N/A Amount N/A

13. CASING:

Depth	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>0</u> To <u>5</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____	_____
From _____ To _____ ft.	_____ in.	_____	_____

14. GROUT:

Depth	Material	Method
From _____ To _____ ft.	_____	_____
From <u>1</u> To <u>3</u> ft.	<u>Bent. Pellets</u>	<u>Surface Pour</u>

LOCATION SKETCH
 Show direction and distance in miles from at least two State Roads or County Roads. Include road numbers and common road names.

15. SCREEN:

Depth	Diameter	Slot Size	Material
From <u>5</u> To <u>15</u> ft.	<u>2</u> in.	<u>Slot .010 in.</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____ in.	_____

16. SAND/GRAVEL PACK:

Depth	Size	Material
From <u>3</u> To <u>15</u> ft.	<u>#2 Medium</u>	<u>Torpedo Sand</u>
From _____ To _____ ft.	_____	_____

SEE
ATTACHED

17. REMARKS: _____

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.

Bobbie Fowler 1-12-04
 SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit original to Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC Modified from:
 27699-1636 Phone No. (919) 733-3221, within 30 days. GW-1 REV.07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Bobbie Fowler CERTIFICATION # 2869
WELL CONTRACTOR COMPANY NAME CATLIN Engineers & Scientists PHONE # (910) 452-5861
STATE WELL CONSTRUCTION PERMIT # 2869 ASSOCIATED WO PERMIT # N/A
(if applicable) (if applicable)

AMW-3

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION: (Show sketch of the location below)
Nearest Town: Wilmington County: New Hanover
3334 River Rd.
(Road Name and Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land Setting
 Ridge Slope Valley Flat
(check appropriate box)

Northing/Easting of well location

160947.437/2317082.574

UTM NAD83 (ft)

Latitude/longitude source: GPS Topo. map
(check box)

3. OWNER: FLINT HILLS RESOURCES, LP
Address: 3334 River Road
(Street or Route No.)
Wilmington NC 28412
City or Town State Zip Code
(910) 799-0180
Area code - Phone number

DEPTH DRILLING LOG
From To Formation Description

4. DATE DRILLED: 12/16/2003

5. TOTAL DEPTH: 15

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing 8.86 FT.
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS _____ FT. Above Land Surface*

* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

SEE
ATTACHED

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): Surficial Aquifer

12. DISINFECTION: Type N/A Amount N/A

13. CASING:

Depth	Diameter	Wall Thickness or Weight/Ft.	Material
From <u> </u> To <u>5</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
From <u> </u> To <u> </u> ft.	<u> </u> in.	<u> </u>	<u> </u>
From <u> </u> To <u> </u> ft.	<u> </u> in.	<u> </u>	<u> </u>

14. GROUT:

Depth	Material	Method
From <u> </u> To <u> </u> ft.	<u> </u>	<u> </u>
From <u>1</u> To <u>4</u> ft.	<u>Bent. Pellets</u>	<u>Surface Pour</u>

15. SCREEN:

Depth	Diameter	Slot Size	Material
From <u>5</u> To <u>15</u> ft.	<u>2</u> in.	<u>Slot .010 in.</u>	<u>PVC</u>
From <u> </u> To <u> </u> ft.	<u> </u> in.	<u> </u> in.	<u> </u>

16. SAND/GRAVEL PACK:

Depth	Size	Material
From <u>4</u> To <u>15</u> ft.	<u>#2 Medium</u>	<u>Torpedo Sand</u>
From <u> </u> To <u> </u> ft.	<u> </u>	<u> </u>

17. REMARKS: _____

LOCATION SKETCH

Show direction and distance in miles from at least two State Roads or County Roads. Include road numbers and common road names.

SEE
ATTACHED

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.

Bobbie Fowler
SIGNATURE OF PERSON CONSTRUCTING THE WELL

1-12-04
DATE

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Bobbie Fowler CERTIFICATION # 2869
 WELL CONTRACTOR COMPANY NAME CATLIN Engineers & Scientists PHONE # (910) 452-5861
 STATE WELL CONSTRUCTION PERMIT # 2869 (if applicable) ASSOCIATED WO PERMIT # N/A (if applicable)

AMW-4

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
 Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION: (Show sketch of the location below)
 Nearest Town: Wilmington County: New Hanover

Topographic/Land Setting
 Ridge Slope Valley Flat
 (check appropriate box)

3334 River Rd.
 (Road Name and Numbers, Community, Subdivision, Lot No., Zip Code)

Northing/Easting of well location

3. OWNER: FLINT HILLS RESOURCES, LP

161066.147/2316850.227

Address: 3334 River Road
 (Street or Route No.)

UTM NAD83 (ft)

Latitude/longitude source: GPS Topo. map
 (check box)

Wilmington NC 28412
 City or Town State Zip Code

DEPTH
 From To

DRILLING LOG
 Formation Description

(910) 799-0180
 Area code - Phone number

4. DATE DRILLED: 12/16/2003

5. TOTAL DEPTH: 15

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing 5.73 FT.
 (Use "+" if Above Top of Casing)

8. TOP OF CASING IS 0 FT. Above Land Surface*

* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

SEE
ATTACHED

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): Surficial Aquifer

12. DISINFECTION: Type N/A Amount N/A

Depth	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>0</u> To <u>5</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____	_____
From _____ To _____ ft.	_____ in.	_____	_____

Depth	Material	Method
From _____ To _____ ft.	_____	_____
From <u>1</u> To <u>2</u> ft.	<u>Bent. Pellets</u>	<u>Surface Pour</u>

Depth	Diameter	Slot Size	Material
From <u>5</u> To <u>15</u> ft.	<u>2</u> in.	<u>Slot .010 in.</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____ in.	_____

Depth	Size	Material
From <u>2</u> To <u>15</u> ft.	<u>#2 Medium</u>	<u>Torpedo Sand</u>
From _____ To _____ ft.	_____	_____

SEE
ATTACHED

17. REMARKS: _____

LOCATION SKETCH
 Show direction and distance in miles from at least two State Roads or County Roads. Include road numbers and common road names.

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 PERSON CONSTRUCTING THE WELL

DATE

Submit original to Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

Modified from: GW-1 REV.07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Bobbie Fowler CERTIFICATION # 2869
WELL CONTRACTOR COMPANY NAME CATLIN Engineers & Scientists PHONE # (910) 452-5861
STATE WELL CONSTRUCTION PERMIT # 2869 (if applicable) ASSOCIATED WQ PERMIT # N/A (if applicable)

AMW-5

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION: (Show sketch of the location below)
Nearest Town: Wilmington County: New Hanover

3334 River Rd.
(Road Name and Numbers, Community, Subdivision, Lot No., Zip Code)

3. OWNER: FLINT HILLS RESOURCES, LP

Address: 3334 River Road
(Street or Route No.)

Wilmington NC 28412
City or Town State Zip Code

(910) 799-0180
Area code - Phone number

Topographic/Land Setting
 Ridge Slope Valley Flat
(check appropriate box)

Northing/Easting of well location

161223.097/2316412.719

UTM NAD83 (ft)

Latitude/longitude source: GPS Topo. map
(check box)

DEPTH
From To

DRILLING LOG
Formation Description

4. DATE DRILLED: 12/16/2003

5. TOTAL DEPTH: 7

6. DOES WELL REPLACE EXISTING WELL? YES NO

7. STATIC WATER LEVEL Below Top of Casing 4.55 FT.
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 3 FT. Above Land Surface*

* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

SEE
ATTACHED

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): Surficial Aquifer

12. DISINFECTION: Type N/A Amount N/A

13. CASING: Depth Diameter Wall Thickness or Weight/Ft. Material
From -3 To 2 ft. 2 in. Sch. 40 PVC
From _____ To _____ ft. _____ in. _____
From _____ To _____ ft. _____ in. _____

14. GROUT: Depth Material Method
From _____ To _____ ft. _____
From 1 To 2 ft. Bent. Pellets Surface Pour

15. SCREEN: Depth Diameter Slot Size Material
From 2 To 7 ft. 2 in. Slot .010 in. PVC
From _____ To _____ ft. _____ in. _____ in. _____

16. SAND/GRAVEL PACK: Depth Size Material
From 2 To 7 ft. #2 Medium Torpedo Sand
From _____ To _____ ft. _____

17. REMARKS: _____

LOCATION SKETCH

Show direction and distance in miles from at least two State Roads or County Roads. Include road numbers and common road names.

SEE
ATTACHED

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.

Bobbie Fowler
SIGNATURE OF PERSON CONSTRUCTING THE WELL

1-12-04
DATE

Submit original to Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

Modified from:
GW-1 REV.07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Bobbie Fowler CERTIFICATION # 2869
 WELL CONTRACTOR COMPANY NAME CATLIN Engineers & Scientists PHONE # (910) 452-5861
 STATE WELL CONSTRUCTION PERMIT # 2869 ASSOCIATED WO PERMIT # N/A
(if applicable) (if applicable)

AMW-6

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
 Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION: (Show sketch of the location below)
 Nearest Town: Wilmington County: New Hanover
3334 River Rd.
(Road Name and Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land Setting
 Ridge Slope Valley Flat
(check appropriate box)

Northing/Easting of well location
160836.372/2316384.723

UTM NAD83 (ft)

Latitude/longitude source: GPS Topo. map
(check box)

3. OWNER: FLINT HILLS RESOURCES, LP
 Address: 3334 River Road
(Street or Route No.)
Wilmington NC 28412
City or Town State Zip Code
(910) 799-0180
Area code - Phone number

DEPTH DRILLING LOG
 From To Formation Description

4. DATE DRILLED: 12/16/2003
 5. TOTAL DEPTH: 13
 6. DOES WELL REPLACE EXISTING WELL? YES NO
 7. STATIC WATER LEVEL Below Top of Casing 6.45 FT.
(Use "+" if Above Top of Casing)

8. TOP OF CASING IS 3 FT. Above Land Surface*

* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

SEE
ATTACHED

9. YIELD (gpm): N/A METHOD OF TEST N/A

10. WATER ZONES (depth): Surficial Aquifer

12. DISINFECTION: Type N/A Amount N/A

13. CASING:

Depth	Diameter	Wall Thickness or Weight/Ft.	Material
From <u>-3</u> To <u>3</u> ft.	<u>2</u> in.	<u>Sch. 40</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____	_____
From _____ To _____ ft.	_____ in.	_____	_____

14. GROUT:

Depth	Material	Method
From _____ To _____ ft.	_____	_____
From <u>1</u> To <u>2</u> ft.	<u>Bent. Pellets</u>	<u>Surface Pour</u>

15. SCREEN:

Depth	Diameter	Slot Size	Material
From <u>3</u> To <u>13</u> ft.	<u>2</u> in.	<u>Slot .010 in.</u>	<u>PVC</u>
From _____ To _____ ft.	_____ in.	_____ in.	_____

16. SAND/GRAVEL PACK:

Depth	Size	Material
From <u>2</u> To <u>13</u> ft.	<u>#2 Medium</u>	<u>Torpedo Sand</u>
From _____ To _____ ft.	_____	_____

SEE
ATTACHED

17. REMARKS: _____

LOCATION SKETCH
 Show direction and distance in miles from at least two State Roads or County Roads. Include road numbers and common road names.

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.

Bobbie Fowler
 SIGNATURE OF PERSON CONSTRUCTING THE WELL

1-12-04
 DATE

APPENDIX C
BORING LOGS
FOR NEW MONITORING WELLS

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

Wilmington, North Carolina

SHEET 1 OF 1

PROJECT NO.: 201-125	STATE: NC	COUNTY: New Hanover	LOCATION: Wilmington
PROJECT NAME: FHR North Terminal		LOGGED BY: Steve Tyler	WELL ID: AMW-1
NORTHING: 160,706.9		EASTING: 2,317,194.9	CREW: Bill Miller
SYSTEM: UTM NAD83 (ft)		BORING LOCATION: Apex- Front, SE stickup	T.O.C. ELEV.: 26.42
DRILL MACHINE: CME 45B ATV		METHOD: HSA	0 HOUR DTW: NM
START DATE: 12/16/03		FINISH DATE: 12/16/03	24 HOUR DTW: 8.93
			BORING DEPTH: 15.0
			WELL DEPTH: 15.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	U S C S	L O G	SOIL AND ROCK DESCRIPTION	ELEVATION	WELL DETAIL
	6in	6in	6in	6in							
0.0									LAND SURFACE	23.4	3.0
10.0							SW		Tan, well graded, f. to m. grained SAND. Minor fines. Dry. No HCO	13.4	5.0
15.0							SW		S. A. A. Tan, well graded, f. to m. SAND. Slightly lighter in color than above. Wet @10' BLS. Mild fuel oil odor from 11 to 15' BLS.	8.4	15.0
Boring Terminated at Elevation 8.4 ft											15.0

CATLIN BORING 01-125.GPJ CATLIN.GDT 1/12/04

 Concrete
  Bentonite Pellets
  #2 Medium Sand

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

Wilmington, North Carolina

SHEET 1 OF 1

PROJECT NO.: 201-125	STATE: NC	COUNTY: New Hanover	LOCATION: Wilmington
PROJECT NAME: FHR North Terminal		LOGGED BY: Steve Tyler	WELL ID: AMW-2
		DRILLER: Bobbie Fowler	
		CREW: Bill Miller	
NORTHING: 160,942.3	EASTING: 2,317,280.4		T.O.C. ELEV.: 23.35
SYSTEM: UTM NAD83 (ft)	BORING LOCATION: Apex- Front in cement		
DRILL MACHINE: CME 45B ATV	METHOD: HSA	0 HOUR DTW: NM	BORING DEPTH: 16.0
START DATE: 12/16/03	FINISH DATE: 12/16/03	24 HOUR DTW: 9.05	WELL DEPTH: 15.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION	WELL DETAIL
	6in	6in	6in	6in								
									0.0	LAND SURFACE	23.4	0.0
												1.0
												3.0
												5.0
							SW			Tan, f. to m. grained SAND. Poorly sorted. Minor fines. Strong Px odor @ approximately 9-13' BLS. Wet @ 9' BLS.		
									15.0		8.4	15.0
										Boring Terminated at Elevation 7.4 ft		

CATLIN BORING LOG 201-125.GPJ CATLIN.GDT 1/12/04

 Concrete
  Bentonite Pellets
  #2 Medium Sand

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

Wilmington, North Carolina

SHEET 1 OF 1

PROJECT NO.: 201-125	STATE: NC	COUNTY: New Hanover	LOCATION: Wilmington
PROJECT NAME: FHR North Terminal		LOGGED BY: Steve Tyler	WELL ID: AMW-3
NORTHING: 160,947.4		EASTING: 2,317,082.6	CREW: Bill Miller
SYSTEM: UTM NAD83 (ft)		BORING LOCATION: Apex- Sand near ASTs, stickup	T.O.C. ELEV.: -21.72
DRILL MACHINE: CME 45B ATV		METHOD: HSA	0 HOUR DTW: NM
START DATE: 12/16/03		FINISH DATE: 12/16/03	24 HOUR DTW: 8.86
			BORING DEPTH: 15.0
			WELL DEPTH: 15.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION			WELL DETAIL
	6in	6in	6in	6in					DEPTH	DESCRIPTION	ELEVATION	
									0.0	LAND SURFACE	21.7	0.0
							SW			Tan, f. to m. SAND. Minor fines. Dry.		1.0
							SW		6.0		15.7	4.0
							SW			S. A. A. but white in color. F. to m. SAND. Minor fines. Saturated @ 6' BLS. Slight HCO.		5.0
							SW		9.0		12.7	
							SW			S. A. A. but brown in color. F. to m. SAND. Minor fines. Septic/slight fuel oil odor ~7 to 12' BLS.		
									15.0		6.7	15.0
									Boring Terminated at Elevation 6.7 ft			

2" Slot .010 Sch. 40 PVC

CATLIN BORING LOG - 125.GPI.CATLIN.GDT - 1/12/04

 Concrete
  Bentonite Pellets
  #2 Medium Sand

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

Wilmington, North Carolina

SHEET 1 OF 1

PROJECT NO.: 201-125	STATE: NC	COUNTY: New Hanover	LOCATION: Wilmington
PROJECT NAME: FHR North Terminal		LOGGED BY: Steve Tyler	WELL ID: AMW-4
		DRILLER: Bobbie Fowler	
NORTHING: 161,066.1	EASTING: 2,316,850.2	CREW: Bill Miller	
SYSTEM: UTM NAD83 (ft)	BORING LOCATION: Apex- N-center flush mount	T.O.C. ELEV.: 15.16	
DRILL MACHINE: CME 45B ATV	METHOD: HSA	0 HOUR DTW: NM	BORING DEPTH: 15.0
START DATE: 12/16/03	FINISH DATE: 12/16/03	24 HOUR DTW: 5.73	WELL DEPTH: 15.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	U S C S	L O G	SOIL AND ROCK DESCRIPTION		WELL DETAIL		
	6in	6in	6in	6in					DEPTH	ELEVATION			
									0.0	LAND SURFACE	15.2	0.0	0.0
							SW			Tan, f. to m. grained SAND. Minor fines. Saturated @ approximately 7' BLS.		2" Sch. 40 PVC	1.0
							SW		7.0		8.2	5.0	2.0
										S. A. A. but light gray in color. f. to m. grained SAND. Saturated. Strong HCO (like fuel oil or gas).		2" Slot .010 Sch. 40 PVC	15.0
									15.0		0.2	15.0	15.0
										Boring Terminated at Elevation 0.2 ft			

CATLIN BORING LOG 201-125.GPJ CATLIN.GDT 1/12/04

 Concrete

 Bentonite Pellets

 #2 Medium Sand

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

Wilmington, North Carolina

SHEET 1 OF 1

PROJECT NO.: 201-125	STATE: NC	COUNTY: New Hanover	LOCATION: Wilmington
PROJECT NAME: FHR North Terminal		LOGGED BY: Steve Tyler	WELL ID: AMW-5
		DRILLER: Bobbie Fowler	
NORTHING: 161,223.1	EASTING: 2,316,412.7	CREW: Bill Miller	
SYSTEM: UTM NAD83 (ft)	BORING LOCATION: Apex- NW corner of property		T.O.C. ELEV.: 13.38
DRILL MACHINE: CME 45B ATV	METHOD: HSA	0 HOUR DTW: NM	BORING DEPTH: 7.0
START DATE: 12/16/03	FINISH DATE: 12/16/03	24 HOUR DTW: 4.55	WELL DEPTH: 7.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION	WELL DETAIL
	6in	6in	6in	6in								
									0.0	LAND SURFACE	10.4	3.0 2" Sch. 40 PVC
							SM			Black to olive, f. to m. SAND. Minor organic fines. No HCO. Moist. Saturated @ approximately 2' BLS.		1.0 2.0
							OL		4.0	Organic-rich silty mud. Low plasticity. Saturated. No HCO.	6.4	2" Slet .010 Sch. 40 PVC
									7.0	Boring Terminated at Elevation 3.4 ft	3.4	7.0

CATLIN BORING 1-125.GPJ CATLIN.GDT 1/12/04

 Concrete

 Bentonite Pellets

 #2 Medium Sand

WELL LOG

CATLIN

ENGINEERS and SCIENTISTS

Wilmington, North Carolina

SHEET 1 OF 1

PROJECT NO.: 201-125	STATE: NC	COUNTY: New Hanover	LOCATION: Wilmington
PROJECT NAME: FHR North Terminal		LOGGED BY: Steve Tyler	WELL ID: AMW-6
		DRILLER: Bobbie Fowler	
NORTHING: 160,836.4	EASTING: 2,316,384.7	CREW: Bill Miller	
SYSTEM: UTM NAD83 (ft)	BORING LOCATION: Apex- W-center stickup		T.O.C. ELEV.: 14.97
DRILL MACHINE: CME 45B ATV	METHOD: HSA	0 HOUR DTW: NM	BORING DEPTH: 13.0
START DATE: 12/16/03	FINISH DATE: 12/16/03	24 HOUR DTW: 6.45	WELL DEPTH: 13.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	ELEVATION	WELL DETAIL
	6in	6in	6in	6in							
0.0									LAND SURFACE	12.0	
							SW		Tan, f. to m. SAND. Poorly sorted. Minor fines. No HCO. Saturated @ approximately 5' BLS.		
									Boring Terminated at Elevation -1.0 ft		

CATLIN BORING 125.GBL.CATLIN.GDT 1/12/04

Concrete
 Bentonite Pellets
 #2 Medium Sand