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FOURTH QUARTER 2003 OPERATIONS AND MAINTENANCE STATUS REPORT FOR AIR SPARGING AND SOIL VAPOR EXTRACTION SYSTEM AT 103RD STREET AND A AVENUE JET FUEL TRANSFER PIPELINE NAS CECIL FIELD FL

2/1/2004

TERRAINE INC ENVIRONMENTAL SERVICES

TERRAINE Environmental Consulting

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Fourth Quarter 2003
Operations and Maintenance Status Report
October 1, 2003 – December 31, 2003

AIR SPARGING AND SOIL VAPOR EXTRACTION SYSTEM
103RD STREET AND "A" AVENUE
Jet Fuel Transfer Pipeline

Naval Air Station Cecil Field
Jacksonville, Florida

Contract No. N62467-02-G-0352
Contract Task Order No. 0001

Submitted to:

U.S. Naval Facilities Engineering Command
Southern Division

Prepared by:

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February 2004

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Signature Page

I, James L. Young, do hereby affirm that the information contained in this report is accurate and correct to the best of my knowledge and belief.

		PG-FL2090, REM-6089
James L. Young, P.G., REM President/CEO TERRAINE, Inc.	Date	Registration Nos.

Acronym List

AS	Air Sparge
AST	Aboveground Storage Tank
bls	Below Land Surface
BOA	Blanket Ordering Agreement
ºC	Degrees Celsius
CCI	CH2M HILL Constructors, Inc.
cfm	Cubic Feet Per Minute
DO	Dissolved Oxygen
EPA	U.S. Environmental Protection Agency
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
GAC	Granular Activated Carbon
GCTLs	Groundwater Cleanup Target Levels
J.A. Jones	J.A. Jones Environmental Services
LNAPL	Light Non-Aqueous Phase Liquids
NAS	Naval Air Station
NAVFAC	Naval Facilities Engineering Command
O&M	operation and maintenance
PAHs	Polynuclear Aromatic Hydrocarbons
PRO	Petroleum Range Organics
psi	Pounds Per Square Inch
RAP	Remedial Action Plan
scfm	Standard Cubic Feet Per Minute
SVE	Soil Vapor Extraction
SVOC	Semi-volatile Organic Compound
TERRAINE	Terraine, Inc. Environmental Services
TRPH	Total Recoverable Petroleum Hydrocarbon
TtNUS	TetraTech NUS, Inc.
VOCs	Volatile Organic Compounds

1.0 Introduction

Terraine, Inc. (TERRAINE) has been contracted by the Department of the Navy, Southern Division, Naval Facilities Engineering Command, to provide operation and maintenance (O&M) services at 103rd Street and "A" Avenue Jet Fuel Transfer Pipeline (103rd Street and "A" Avenue), Naval Air Station (NAS) Cecil Field, Jacksonville, Florida, under Blanket Ordering Agreement (BOA) **Contract No. N62467-02-G-0352, Contract Task Order No. 0001**. The purpose of this quarterly O&M Report is to provide a summary of activities performed at the site during the period of October 1, 2003 through December 31, 2003.

Objective

The objective of the remedial action at the site of 103rd Street and "A" Avenue is to reduce the concentrations of petroleum-related contaminants in the groundwater and unsaturated soils to target levels specified by Florida Administrative Code (FAC) 62-777. Air sparging/soil vapor extraction was the technology being utilized to achieve this objective.

1.1 Site History

The 103rd Street and "A" Avenue site is located approximately 1/4-mile east of the "A" Avenue gate to former NAS Cecil Field. An 8-inch-diameter, steel jet fuel transfer pipeline was completed in 1952 to transfer jet fuel from NAS Jacksonville to NAS Cecil Field. In July 1997, a small leak (1/8-inch-diameter) was discovered in the pipeline located beneath the eastbound lane of 103rd Street. In July 1997, Bechtel Environmental, Inc. removed approximately 900 cubic yards of petroleum-contaminated soil that had resulted from the leak. The pipeline is currently de-fueled and inactive (Tetra Tech NUS, Inc. [TtNUS], 1999).

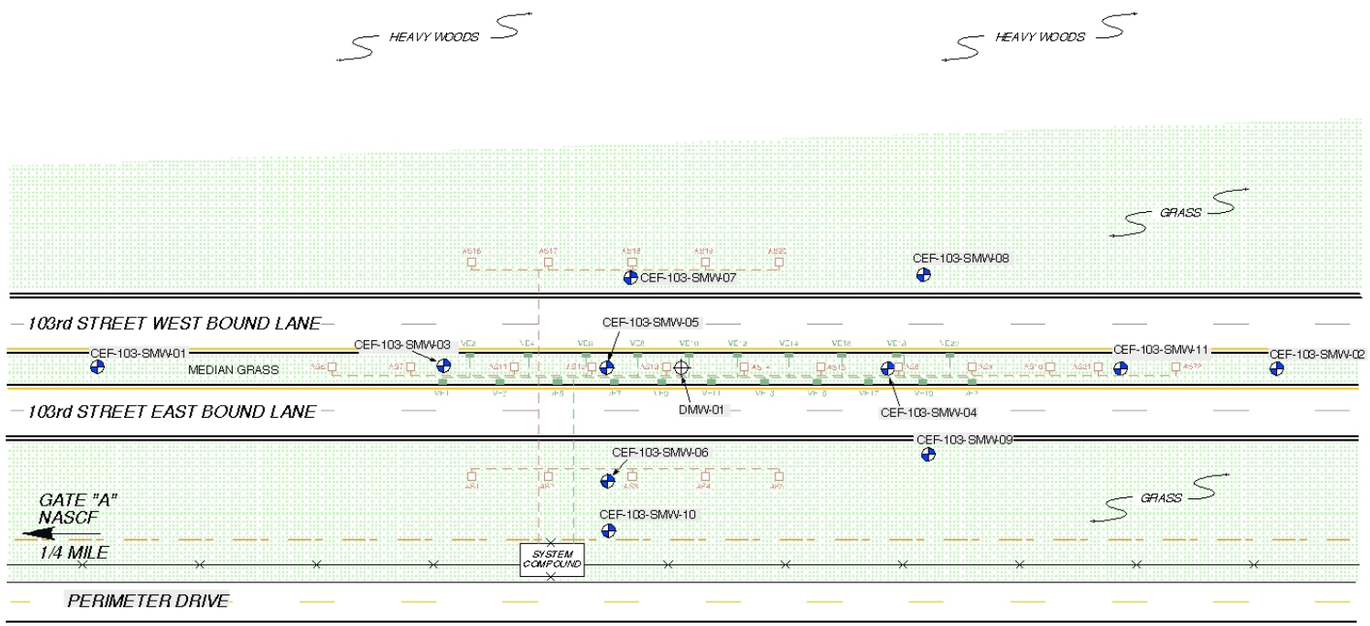
Site assessment activities were performed by TtNUS from 1998 to 1999 to delineate the extent of the light non-aqueous phase liquid (LNAPL), and soil and groundwater contamination at the site. A Remedial Action Plan (RAP) was subsequently submitted in August 1999. Air sparging and soil vapor extraction were specified in the RAP as the chosen remedial alternatives to address the soil and groundwater contamination at the site (TtNUS, 1999). The RAP-specified remediation system was constructed by CCI/J.A. Jones Environmental Services (J.A. Jones) during the period of March to May 2000 and start-up was completed on May 23, 2000. The system has been operated and maintained by CCI/J.A. Jones from start-up till the Third Quarter of 2002. TERRAINE took control of operation and maintenance beginning in October, 2002.

Due to substantial reduction of contaminant concentrations at the site, the FDEP issued a Post Active Remediation Monitoring Plan Approval Order on April 23, 2003. In accordance with the order, the AS System was deactivated and post-active remediation monitoring commenced. For a period of one year, groundwater from the following monitoring wells are to be a sampled on a quarterly basis for volatile organic compounds (VOCs), Polynuclear Aromatic Hydrocarbons (PAHs), total recoverable petroleum hydrocarbons (TRPH), and lead: CEF-103-SMW03, CEF-103-SMW04, CEF-103-SMW05, CEF-103-SMW06, CEF-103-SMW07, CEF-103-SMW08, CEF-103-SMW09, and CEF-103-SMW11.

1.2 Remediation System/Technology Description

Air sparging is a method of expediting the transfer of saturated zone volatile organic compounds (VOCs) from the groundwater table to the vadose zone, where a soil vapor extraction (SVE) system can complete the VOC removal process. Hydrocarbon-free air is injected into air sparge wells, which are screened within the groundwater contaminant plume. As the injected air passes upward through the VOC-laden groundwater and soil, VOCs are partitioned to the passing air and migrate to the vadose zone. The SVE wells, which are located in the vadose zone above the sparge area, apply a vacuum such that the sparge air is captured and removed from the subsurface. The 103rd Street and “A” Avenue air sparge system consists of 20 air sparge wells, labeled as AS-1 through AS-20 that are screened from 22 to 25 feet below land surface (bls), a rotary screw-type compressor, a receiver tank, and associated piping and instrumentation. The air sparge system is designed for each air sparge well to operate at an airflow rate of 10 to 12 cubic feet per minute (cfm) at a maximum pressure of 12 pounds per square inch (psi). The locations of the air sparge wells are shown in **Figure 1-1**.

Soil vapor extraction (SVE) is performed by applying a negative pressure (or vacuum) to SVE wells placed in the vadose zone. The actual removal is accomplished by lowering the relative pressure in the soil mass below the equilibrium pressure of the contaminant using a vacuum blower. The contaminant in the soil will volatilize, and then be removed via the SVE wells. The SVE system at the 103rd Street and “A” Avenue site consists of 21 vertical vapor extraction wells (labeled VE-1 through VE-21) a positive-displacement type vacuum blower, a moisture separator equipped with a transfer pump and storage tank, and associated piping and instrumentation. The SVE system was initially equipped with two 1,000-lb granular activated carbon (GAC) units placed in series to treat the soil vapors prior to being discharged to the atmosphere. The GACs were subsequently removed when the effluent VOC concentration decreased below the Florida Department of Environmental Protection (FDEP) requirement and the mandatory 30-day period had been satisfied (see section 3.1). The SVE system is designed for each vapor extraction well to operate at an airflow rate of 16 to 17 cfm and at a vacuum pressure of 4 inches of mercury (in Hg) at the wellhead. The locations of the SVE wells are shown on **Figure 1-1**.



N
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S

NOTES

DASHED LINES INDICATE SUBSURFACE FEATURES

LEGEND

- PERIMETER FENCE
- EDGE OF PAVEMENT
- BELLSOUTH PHONE UTILITY LINE
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- AIR SPARGE WELL VAULT
- SVE WELL VAULT

TERRAINE inc.
ENVIRONMENTAL SERVICES

FIGURE 1-1

SITE MAP

103RD STREET SITE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

0 40 ft 80 ft 160 ft
1 inch = 80 feet

DWN BY: JLY	CHK BY: MJP
SCALE: 1" = 80'	APR BY: JLY
DATE: 02-21-03	FILE: 04-41001

2.0 System Performance Monitoring

Post active remediation O&M and system checks were performed October 21, 2003 and December 12, 2003 during the monitoring period. During a post active remediation O&M check, the system if restarted for a period of 15 minutes, a preventative maintenance checklist (based upon manufacturer's recommendations) is completed, any required maintenance activity is performed, and system performance is evaluated. Upon completion of the O&M check, the system is turned off.

2.1 Operational Efficiencies

No problems were encountered during both post active remediation O&M checks. The system operated for the entire 15 minute duration.

2.2 Summary of Maintenance

No problems were encountered during both post active remediation O&M checks, therefore no maintenance was performed.

2.3 Pressure/Flow Rate Monitoring

2.3.1 Air Sparge System

Prior to commencement of O&M activities by TERRAINE, the Air Sparging system had a reduction in total number of operating wells. Only Air Sparge (AS) wells AS-8, AS-9, AS-10, AS-14, AS-15, AS-21, and AS-22 are currently active. Data collected between May 23, 2002 and October 1, 2002 has not been submitted by the previous contractor. Since October 1, 2002, pressure was measured at each sparge wellhead on a monthly basis until system shutdown in June 2003. The data are provided in **Table 2-1**.

2.3.2 Vapor Extraction System

The SVE system was deactivated prior to commencement of O&M activities by TERRAINE.

2.4 Water Level Measurements

Depth-to-water measurements were recorded at selected monitoring wells on a quarterly basis during the monitoring period. The top of casing elevation, depth-to-water measurements, and calculated water level elevations are provided in **Table 2-2**.

LNAPL was not noted in any monitoring well during the monitoring period.

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-1	5/26/2000	NR	10
	6/2/2000	NR	11
	6/9/2000	0	9
	6/22/2000	0	0
	7/24/2000	NR	NR
	8/29/2000	NR	0
	10/30/2000	NR	8
	11/27/2000	NR	8
	12/18/2000	NR	8
	1/30/2001	NR	7
	2/26/2001	NR	10
	3/26/2001	NR	0
	4/30/2001	NR	0
	5/21/2001	NR	9
	7/24/2001	NR	5
	8/29/2001	NR	9
	9/19/2001	NR	10
	10/29/2001	NR	10
	11/27/2001	NR	8
	12/20/2001	NR	10
	1/30/2002	NR	8
	2/25/2002	NR	9
	3//2002	NR	9
	4/15/2002	NR	9
	5/20/2002	NR	9
	6/26/2002	NR	9
	7/29/2002	NR	8
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-2	5/26/2000	NR	11
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	0
	7/24/2000	NR	NR
	8/29/2000	NR	0
	10/30/2000	NR	8
	11/27/2000	NR	8
	12/18/2000	NR	10
	1/30/2001	NR	8
	2/26/2001	NR	10
	3/26/2001	NR	0
	4/30/2001	NR	10
	5/21/2001	NR	10
	7/24/2001	NR	5
	8/29/2001	NR	9
	9/19/2001	NR	NR
	10/29/2001	NR	9
	11/27/2001	NR	8
	12/20/2001	NR	11
	1/30/2002	NR	8
	2/25/2002	NR	10
	3/28/2002	NR	10
	Apr-02	NR	NR
	4/15/2002	NR	8
	5/20/2002	NR	8
	6/26/2002	NR	9
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	0	0
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	3/19/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-3	5/26/2000	NR	9
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	10
	7/24/2000	NR	10
	8/29/2000	NR	11
	10/30/2000	NR	11
	11/27/2000	NR	10
	12/18/2000	NR	10
	1/30/2001	NR	8
	2/26/2001	NR	11
	3/26/2001	NR	12
	4/30/2001	NR	11
	5/21/2001	NR	10
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	12
	10/29/2001	NR	10
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	11
	2/25/2002	NR	11
	3/28/2002	NR	9.5
	4/15/2002	NR	11
	5/20/2002	NR	9
	6/26/2002	NR	9
	7/29/2002	NR	8
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-4	5/26/2000	NR	11
	6/2/2000	NR	10
	6/9/2000	0	9
	6/22/2000	0	10
	7/24/2000	NR	NR
	8/29/2000	NR	11
	10/30/2000	NR	9
	11/27/2000	NR	12
	12/18/2000	NR	10
	1/30/2001	NR	6
	2/26/2001	NR	10
	3/26/2001	NR	12
	4/30/2001	NR	11
	5/21/2001	NR	9
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	11
	10/29/2001	NR	11
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	11
	2/25/2002	NR	9
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	9
	6/26/2002	NR	9
	7/29/2002	NR	10
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-5	5/26/2000	NR	14
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	11
	7/24/2000	NR	12
	8/29/2000	NR	11
	10/30/2000	NR	8
	11/27/2000	NR	12
	12/18/2000	NR	9
	1/30/2001	NR	7
	2/26/2001	NR	10
	3/26/2001	NR	14
	4/30/2001	NR	8
	5/21/2001	NR	12
	7/24/2001	NR	10
	8/29/2001	NR	10
	9/19/2001	NR	12
	10/29/2001	NR	10
	11/27/2001	NR	12
	12/20/2001	NR	9
	1/30/2002	NR	12
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	11
	5/20/2002	NR	8
	6/26/2002	NR	10
	7/29/2002	NR	10
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-6	5/26/2000	NR	10
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	8
	7/24/2000	NR	13
	8/29/2000	NR	8
	10/30/2000	NR	9
	11/27/2000	NR	10
	12/18/2000	NR	8
	1/30/2001	NR	10
	2/26/2001	NR	12
	3/26/2001	NR	9
	4/30/2001	NR	10
	5/21/2001	NR	10
	7/24/2001	NR	10
	8/29/2001	NR	8
	9/19/2001	NR	12
	10/29/2001	NR	9
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	10
	6/26/2002	NR	9
	7/29/2002	NR	8
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	5/12/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-7	5/26/2000	NR	9
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	10
	7/24/2000	NR	14
	8/29/2000	NR	8
	10/30/2000	NR	8
	11/27/2000	NR	12
	12/18/2000	NR	10
	1/30/2001	NR	10
	2/26/2001	NR	12
	3/26/2001	NR	10
	4/30/2001	NR	10
	5/21/2001	NR	10
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	10
	10/29/2001	NR	9
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	11
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	10
	6/26/2002	NR	9
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-8	5/26/2000	NR	9
	6/2/2000	NR	9
	6/9/2000	0	11
	6/22/2000	0	8
	7/24/2000	NR	10
	8/29/2000	NR	9
	10/30/2000	NR	9
	11/27/2000	NR	12
	12/18/2000	NR	14
	1/30/2001	NR	7
	2/26/2001	NR	12
	3/26/2001	NR	10
	4/30/2001	NR	10
	5/21/2001	NR	8
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	12
	10/29/2001	NR	10
	11/27/2001	NR	9
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	9
	6/26/2002	NR	10
	7/29/2002	NR	10
	8/30/2002	NR	NR
	9/20/2002	2	10
	10/17/2002	2.5	11
	11/14/2002	16	15
	12/19/2002	60	11
	1/16/2003	60	15
	2/14/2003	180	11
	3/13/2003	80	15
	4/10/2003	170	10
	5/12/2003	NR	NR
	6/27/2003	120	16

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-9	5/26/2000	NR	11
	6/2/2000	NR	10
	6/9/2000	0	10
	6/22/2000	0	8
	7/24/2000	NR	11
	8/29/2000	NR	NR
	10/30/2000	NR	8
	11/27/2000	NR	10
	12/18/2000	NR	10
	1/30/2001	NR	7
	2/26/2001	NR	10
	3/26/2001	NR	10
	4/30/2001	NR	9
	5/21/2001	NR	10
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	10
	10/29/2001	NR	10
	11/27/2001	NR	8
	12/20/2001	NR	11
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	9
	5/20/2002	NR	9
	6/26/2002	NR	9
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	2	14
	10/17/2002	2.5	11
	11/14/2002	15	10
	12/19/2002	58	13
	1/16/2003	65	17
	2/14/2003	180	12
	3/13/2003	80	15
	4/10/2003	170	10
	5/12/2003	NR	NR
	6/27/2003	120	16

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-10	5/26/2000	NR	9
	6/2/2000	NR	9
	6/9/2000	0	12
	6/22/2000	0	8
	7/24/2000	NR	13
	8/29/2000	NR	NR
	10/30/2000	NR	8
	11/27/2000	NR	10
	12/18/2000	NR	14
	1/30/2001	NR	8
	2/26/2001	NR	10
	3/26/2001	NR	14
	4/30/2001	NR	9
	5/21/2001	NR	9
	7/24/2001	NR	10
	8/29/2001	NR	8
	9/19/2001	NR	10
	10/29/2001	NR	11
	11/27/2001	NR	9
	12/20/2001	NR	11
	1/30/2002	NR	9
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	9
	6/26/2002	NR	10.5
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	2	11
	10/17/2002	3.0	11
	11/14/2002	14	8
	12/19/2002	60	12
	1/16/2003	60	10
	2/14/2003	180	12
	3/13/2003	80	16
	4/10/2003	180	11
	5/12/2003	NR	NR
	6/27/2003	115	16

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-11	5/26/2000	NR	11
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	9
	7/24/2000	NR	11
	8/29/2000	NR	11
	10/30/2000	NR	10
	11/27/2000	NR	12
	12/18/2000	NR	11
	1/30/2001	NR	10
	2/26/2001	NR	9
	3/26/2001	NR	10
	4/30/2001	NR	11
	5/21/2001	NR	11
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	12
	10/29/2001	NR	12
	11/27/2001	NR	11
	12/20/2001	NR	11
	1/30/2002	NR	11
	2/25/2002	NR	11
	3/28/2002	NR	10.5
	4/15/2002	NR	10.5
	5/20/2002	NR	11
	6/26/2002	NR	10
	7/29/2002	NR	10
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-12	5/26/2000	NR	11
	6/2/2000	NR	7
	6/9/2000	0	10
	6/22/2000	0	9.5
	7/24/2000	NR	12
	8/29/2000	NR	8
	10/30/2000	NR	9
	11/27/2000	NR	12
	12/18/2000	NR	12
	1/30/2001	NR	8
	2/26/2001	NR	11
	3/26/2001	NR	14
	4/30/2001	NR	8
	5/21/2001	NR	9
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	13
	10/29/2001	NR	10
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	9.5
	5/20/2002	NR	9
	6/26/2002	NR	10
	7/29/2002	NR	10
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	3/19/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-13	5/26/2000	NR	10
	6/2/2000	NR	9
	6/9/2000	0	10
	6/22/2000	0	9
	7/24/2000	NR	10.5
	8/29/2000	NR	8
	10/30/2000	NR	11
	11/27/2000	NR	10
	12/18/2000	NR	10
	1/30/2001	NR	8
	2/26/2001	NR	11
	3/26/2001	NR	8
	4/30/2001	NR	10
	5/21/2001	NR	9
	7/24/2001	NR	10
	8/29/2001	NR	8
	9/19/2001	NR	9
	10/29/2001	NR	10
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	10
	6/26/2002	NR	10
	7/29/2002	NR	10
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-14	5/26/2000	NR	9
	6/2/2000	NR	9
	6/9/2000	0	9
	6/22/2000	0	8
	7/24/2000	NR	12
	8/29/2000	NR	8
	10/30/2000	NR	10
	11/27/2000	NR	12
	12/18/2000	NR	12
	1/30/2001	NR	7
	2/26/2001	NR	10
	3/26/2001	NR	12
	4/30/2001	NR	8
	5/21/2001	NR	10
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	10
	10/29/2001	NR	10
	11/27/2001	NR	9
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	9.5
	5/20/2002	NR	9
	6/26/2002	NR	10
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	2	10
	10/17/2002	2.5	10
	11/14/2002	14	10
	12/19/2002	58	12
	1/16/2003	65	11
	2/14/2003	185	12
	3/13/2003	90	16
	4/10/2003	180	11
	5/12/2003	NR	NR
	6/27/2003	115	16

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-15	5/26/2000	NR	11
	6/2/2000	NR	9
	6/9/2000	0	11
	6/22/2000	0	8.5
	7/24/2000	NR	11
	8/29/2000	NR	15
	10/30/2000	NR	8
	11/27/2000	NR	10
	12/18/2000	NR	8
	1/30/2001	NR	6
	2/26/2001	NR	12
	3/26/2001	NR	14
	4/30/2001	NR	10
	5/21/2001	NR	9
	7/24/2001	NR	10
	8/29/2001	NR	9
	9/19/2001	NR	6
	10/29/2001	NR	10
	11/27/2001	NR	9
	12/20/2001	NR	10
	1/30/2002	NR	8
	2/25/2002	NR	10
	3/28/2002	NR	9
	4/15/2002	NR	9
	5/20/2002	NR	9
	6/26/2002	NR	9
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	2	10
	10/17/2002	0	9
	11/14/2002	16	9
	12/19/2002	56	13
	1/16/2003	65	11
	2/14/2003	180	11
	3/13/2003	80	16
	4/10/2003	180	11
	5/12/2003	NR	NR
	6/27/2003	120	14

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-16	5/26/2000	NR	11
	6/2/2000	NR	10
	6/9/2000	0	10
	6/22/2000	0	10
	7/24/2000	NR	NR
	8/29/2000	NR	10
	10/30/2000	NR	10
	11/27/2000	NR	10
	12/18/2000	NR	10
	1/30/2001	NR	6
	2/26/2001	NR	10
	3/26/2001	NR	10
	4/30/2001	NR	10
	5/21/2001	NR	8
	7/24/2001	NR	10
	8/29/2001	NR	10
	9/19/2001	NR	10
	10/29/2001	NR	9
	11/27/2001	NR	10
	12/20/2001	NR	10
	1/30/2002	NR	10
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	10
	5/20/2002	NR	9
	6/26/2002	NR	8
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-17	5/26/2000	NR	9
	6/2/2000	NR	10
	6/9/2000	0	10
	6/22/2000	0	10
	7/24/2000	NR	NR
	8/29/2000	NR	10
	10/30/2000	NR	10
	11/27/2000	NR	8
	12/18/2000	NR	10
	1/30/2001	NR	7
	2/26/2001	NR	10
	3/26/2001	NR	9
	4/30/2001	NR	10
	5/21/2001	NR	10
	7/24/2001	NR	10
	8/29/2001	NR	8
	9/19/2001	NR	10
	10/29/2001	NR	9
	11/27/2001	NR	10
	12/20/2001	NR	11
	1/30/2002	NR	10
	2/25/2002	NR	11
	3/28/2002	NR	9.5
	4/15/2002	NR	10
	5/20/2002	NR	8
	6/26/2002	NR	8
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-18	5/26/2000	NR	11
	6/2/2000	NR	9
	6/9/2000	0	10
	6/22/2000	0	10
	7/24/2000	NR	NR
	8/29/2000	NR	0
	10/30/2000	NR	10
	11/27/2000	NR	12
	12/18/2000	NR	10
	1/30/2001	NR	7
	2/26/2001	NR	12
	3/26/2001	NR	11
	4/30/2001	NR	12
	5/21/2001	NR	11
	7/24/2001	NR	12
	8/29/2001	NR	9
	9/19/2001	NR	12
	10/29/2001	NR	10
	11/27/2001	NR	12
	12/20/2001	NR	10
	1/30/2002	NR	12
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	11
	5/20/2002	NR	10
	6/26/2002	NR	9
	7/29/2002	NR	8
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	3/19/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-19	5/26/2000	NR	11
	6/2/2000	NR	9
	6/9/2000	0	10
	6/22/2000	0	10
	7/24/2000	NR	14
	8/29/2000	NR	8
	10/30/2000	NR	8
	11/27/2000	NR	12
	12/18/2000	NR	10
	1/30/2001	NR	8
	2/26/2001	NR	8
	3/26/2001	NR	8
	4/30/2001	NR	8
	5/21/2001	NR	8
	7/24/2001	NR	8
	8/29/2001	NR	9
	9/19/2001	NR	8
	10/29/2001	NR	9
	11/27/2001	NR	8
	12/20/2001	NR	10
	1/30/2002	NR	8
	2/25/2002	NR	9
	3/28/2002	NR	8
	4/15/2002	NR	9
	5/20/2002	NR	9
	6/26/2002	NR	9
	7/29/2002	NR	9
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14/2003	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-20	5/26/2000	NR	11
	6/2/2000	NR	11
	6/9/2000	0	10
	6/22/2000	0	8
	7/24/2000	NR	12
	8/29/2000	NR	4
	10/30/2000	NR	2
	11/27/2000	NR	10
	12/18/2000	NR	10
	1/30/2001	NR	8
	2/26/2001	NR	0
	3/26/2001	NR	0
	4/30/2001	NR	NR
	5/21/2001	NR	8
	7/24/2001	NR	4
	8/29/2001	NR	10
	9/19/2001	NR	8
	10/29/2001	NR	9
	11/27/2001	NR	9
	12/20/2001	NR	11
	1/30/2002	NR	9
	2/25/2002	NR	10
	3/28/2002	NR	10
	4/15/2002	NR	9.5
	5/20/2002	NR	9
	6/26/2002	NR	8
	7/29/2002	NR	NR
	8/30/2002	NR	NR
	9/20/2002	0	0
	10/17/2002	NR	NR
	11/14/2002	NR	NR
	12/19/2002	NR	NR
	1/16/2003	NR	NR
	2/14//03	NR	NR
	3/13/2003	NR	NR
	4/10/2003	NR	NR
	5/12/2003	NR	NR
	6/27/2003	NR	NR

TABLE 2-1
AIR SPARGE SYSTEM - SPARGE WELL MEASUREMENTS
QUARTERLY REPORT DECEMBER 2003
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE FLORIDA

AS Well	Date	Wellhead Flow (acfm)	Wellhead Pressure (psi)
AS-21	5/20/2002	100	7.5
	6/26/2002	50	11
	7/29/2002	20	11
	8/30/2002	NR	NR
	9/20/2002	170	9
	11/14/2002	14	11
	12/19/2002	60	12
	1/16/2003	0	12
	2/14/2003	180	11
	3/13/2003	80	15
	4/10/2003	170	10
	5/12/2003	NR	NR
	6/27/2003	120	16
AS-22	5/20/2002	100	8.5
	6/26/2002	55	9.5
	7/29/2002	30	10
	8/30/2002	NR	NR
	9/20/2002	160	8.5
	11/14/2002	10	14
	12/19/2002	48	12
	1/16/2003	70	11
	2/14/2003	180	11
	3/13/2003	80	15
	4/10/2003	170	10
	5/12/2003	NR	NR
	6/27/2003	120	16

NR = Meter Not Read
psi = pounds per square inch
acfm = actual cubic feet per minute

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-SMW-01	13.00	8/30/2000	81.85	no product	4.56	77.29
		9/28/2000		no product	3.07	78.78
		10/31/2000		no product	4.19	77.66
		11/27/2000		NM	NM	NM
		12/20/2000		no product	5.38	76.47
		2/27/2001		no product	5.10	76.75
		3/27/2001		no product	3.54	78.31
		4/30/2001		no product	4.82	77.03
		5/22/2001		no product	5.57	76.28
		7/24/2001		no product	2.97	78.88
		8/30/2001		no product	3.50	78.35
		11/27/2001		no product	4.56	77.29
		12/20/2001		no product	3.32	78.53
		2/26/2002		no product	3.89	77.96
		3/28/2002		no product	3.70	78.15
		4/15/2002		no product	3.45	78.40
		5/21/2002		no product	5.24	76.61
		6/26/2002		no product	5.05	76.80
		7/29/2002		no product	1.78	80.07
		8/30/2002		NM	NM	NM
		9/12/2002		no product	3.77	78.08
		12/17/2002		no product	3.35	78.50
		3/12/2003		-	-	-
		5/13/2003		no product	4.11	77.74
		6/7/2003		no product	4.30	77.55
CEF-103-SMW-02	13.25	8/30/2000	82.30	4.99	5.00	77.30
		9/28/2000		no product	4.05	78.25
		10/31/2000		no product	5.50	76.80
		11/27/2000		NM	NM	NM
		12/20/2000		no product	6.53	75.77
		2/27/2001		no product	6.89	75.41
		3/27/2001		no product	4.81	77.49
		4/30/2001		no product	6.59	75.71
		5/22/2001		no product	7.56	74.74
		7/24/2001		no product	4.26	78.04
		8/30/2001		no product	4.75	77.55
		11/27/2001		no product	5.80	76.50
		12/20/2001		no product	4.08	78.22
		2/26/2002		no product	5.74	76.56
		3/28/2002		no product	5.14	77.16
		4/15/2002		no product	4.51	77.79
		5/21/2002		no product	7.04	75.26
		6/26/2002		no product	5.78	76.52
		7/29/2002		no product	3.25	79.05
		8/30/2002		NM	NM	NM
		9/12/2002		no product	5.11	77.19
		12/17/2002		no product	4.52	77.78
		3/12/2003		no product	3.05	79.25
		5/13/2003		no product	6.12	76.18

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-SMW-03	12.60	8/30/2000	82.03	NM	NM	NM
		9/28/2000		no product	12.60	69.43
		10/31/2000		no product	12.14	69.89
		11/27/2000		NM	NM	NM
		12/20/2000		no product	8.67	73.36
		2/27/2001		no product	9.63	72.40
		3/27/2001		no product	4.97	77.06
		4/30/2001		no product	NM	NM
		5/22/2001		no product	10.90	71.13
		7/24/2001		no product	4.20	77.83
		8/30/2001		no product	5.03	77.00
		11/27/2001		no product	8.45	73.58
		12/20/2001		no product	4.60	77.43
		2/26/2002		no product	8.76	73.27
		3/28/2002		no product	4.50	77.53
		4/15/2002		no product	6.08	75.95
		5/21/2002		no product	well dry	NM
		6/26/2002		no product	4.95	77.08
		7/29/2002		no product	3.58	78.45
		8/30/2002		NM	NM	NM
		9/12/2002		no product	7.85	74.18
		12/17/2002		no product	3.35	78.68
		3/12/2003		-	-	-
		5/13/2003		no product	4.40	77.63
		6/7/2003		no product	4.30	77.73
		9/6/2003		no product	2.60	79.43
		12/13/2003		no product	6.61	75.42
CEF-103-SMW-04	12.66	8/30/2000	82.23	NM	NM	NM
		9/28/2000		NM	NM	NM
		10/31/2000		no product	6.46	75.77
		11/27/2000		NM	NM	NM
		12/20/2000		no product	6.75	75.48
		2/27/2001		no product	7.02	75.21
		3/27/2001		no product	4.41	77.82
		4/30/2001		no product	5.88	76.35
		5/22/2001		no product	8.45	73.78
		7/24/2001		no product	2.70	79.53
		8/30/2001		no product	5.24	76.99
		11/27/2001		no product	6.52	75.71
		12/20/2001		no product	2.30	79.93
		2/26/2002		no product	10.55	71.68
		3/28/2002		no product	3.49	78.74
		4/15/2002		no product	5.71	76.52
		5/21/2002		no product	9.91	72.32
		6/26/2002		no product	6.45	75.78
		7/29/2002		no product	2.74	79.49
		8/30/2002		NM	NM	NM
		9/12/2002		no product	7.65	74.58
		12/17/2002		no product	12.51	69.72
		3/12/2003		no product	3.47	78.76
		5/13/2003		no product	6.92	75.31
		6/8/2003		no product	4.90	77.33
		9/6/2003		no product	4.30	77.93
		12/13/2003		no product	6.65	75.58

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-SMW-05	13.26	8/30/2000	82.37	no product	5.52	76.85
		9/28/2000		NM	NM	NM
		10/31/2000		no product	5.87	76.50
		11/27/2000		NM	NM	NM
		12/20/2000		no product	6.47	75.90
		2/27/2001		no product	6.24	76.13
		3/27/2001		no product	3.98	78.39
		4/30/2001		no product	4.61	77.76
		5/22/2001		no product	6.72	75.65
		7/24/2001		no product	1.70	80.67
		8/30/2001		no product	4.17	78.20
		11/27/2001		no product	4.70	77.67
		12/20/2001		no product	2.81	79.56
		2/26/2002		no product	4.74	77.63
		3/28/2002		no product	3.35	79.02
		4/15/2002		no product	3.95	78.42
		5/21/2002		no product	7.25	75.12
		6/26/2002		no product	5.53	76.84
		7/29/2002		no product	2.95	79.42
		8/30/2002		NM	NM	NM
		9/12/2002		no product	5.16	77.21
		12/17/2002		no product	3.44	78.93
		3/12/2003		no product	2.07	80.30
		5/13/2003		no product	4.64	77.73
		6/8/2003		no product	4.05	78.32
		9/6/2003		no product	3.85	78.52
		12/13/2003		no product	5.93	76.44
CEF-103-SMW-06	13.18	8/30/2000	77.33	NM	NM	NM
		9/28/2000		NM	NM	NM
		10/31/2000		no product	8.26	69.07
		11/27/2000		no product	0.00	77.33
		12/20/2000		no product	3.15	74.18
		2/27/2001		no product	5.23	72.10
		3/27/2001		no product	0.50	76.83
		4/30/2001		no product	2.78	74.55
		5/22/2001		no product	6.59	70.74
		7/24/2001		no product	0.10	77.23
		8/30/2001		no product	2.77	74.56
		11/27/2001		no product	2.10	75.23
		12/20/2001		no product	0.00	77.33
		2/26/2002		no product	4.70	72.63
		3/28/2002		no product	0.00	77.33
		4/15/2002		no product	2.45	74.88
		5/21/2002		no product	7.68	69.65
		6/26/2002		no product	0.40	76.93
		7/29/2002		no product	0.00	77.33
		8/30/2002		NM	NM	NM
		9/12/2002		no product	3.15	74.18
		12/17/2002		no product	0.20	77.13
		3/12/2003		no product	0.00	77.33
		5/13/2003		no product	1.70	75.63
		6/8/2003		no product	0.00	77.33
		9/6/2003		no product	0.00	77.33
		12/3/2003		no product	2.50	74.83

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-SMW-07	13.29	8/30/2000	79.35	7.62	7.63	71.72
		9/28/2000		no product	7.91	71.44
		10/31/2000		no product	8.10	71.25
		11/27/2000		no product	3.10	76.25
		12/20/2000		no product	5.60	73.75
		2/27/2001		no product	6.51	72.84
		3/27/2001		no product	2.16	77.19
		4/30/2001		no product	3.12	76.23
		5/22/2001		no product	7.89	71.46
		7/24/2001		no product	2.41	76.94
		8/30/2001		no product	3.51	75.84
		11/27/2001		no product	4.02	75.33
		12/20/2001		no product	0.05	79.30
		2/26/2002		no product	6.10	73.25
		3/28/2002		no product	2.90	76.45
		4/15/2002		no product	3.05	76.30
		5/21/2002		no product	7.90	71.45
		6/26/2002		no product	1.78	77.57
		7/29/2002		no product	2.65	76.70
		8/30/2002		NM	NM	NM
		9/12/2002		no product	4.40	74.95
		12/17/2002		no product	1.63	77.72
		3/12/2003		no product	0.42	78.93
		6/8/2003		no product	1.50	77.85
		9/6/2003		no product	1.85	77.50
		12/13/2003		no product	4.70	74.65
CEF-103-SMW-08	18.23	8/30/2000	79.55	no product	2.53	77.02
		9/28/2000		NM	NM	NM
		10/31/2000		no product	3.28	76.27
		11/27/2000		no product	2.95	76.60
		12/20/2000		no product	4.04	75.51
		2/27/2001		no product	4.48	75.07
		3/27/2001		no product	2.22	77.33
		4/30/2001		no product	3.67	75.88
		5/22/2001		no product	5.70	73.85
		7/24/2001		no product	2.38	77.17
		8/30/2001		no product	2.30	77.25
		11/27/2001		no product	3.45	76.10
		12/20/2001		no product	2.44	77.11
		2/26/2002		no product	2.90	76.65
		3/28/2002		no product	2.75	76.80
		4/15/2002		no product	2.39	77.16
		5/21/2002		no product	5.16	74.39
		6/26/2002		no product	3.09	76.46
		7/29/2002		no product	2.52	77.03
		8/30/2002		NM	NM	NM
		9/12/2002		no product	2.60	76.95
		12/17/2002		no product	0.50	79.05
		3/12/2003		NM	NM	NM
		5/13/2003		no product	3.98	75.57
		6/8/2003		no product	1.80	77.75
		9/6/2003		no product	1.92	77.63
		12/13/2003		no product	4.50	75.05

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-SMW-09	13.24	8/30/2000	79.67	no product	4.56	75.11
		9/28/2000		NM	NM	NM
		10/31/2000		no product	4.65	75.02
		11/27/2000		no product	2.99	76.68
		12/20/2000		no product	4.55	75.12
		2/27/2001		no product	5.13	74.54
		3/27/2001		no product	2.70	76.97
		4/30/2001		no product	4.68	74.99
		5/22/2001		no product	7.15	72.52
		7/24/2001		no product	1.60	78.07
		8/30/2001		no product	5.43	74.24
		11/27/2001		no product	4.00	75.67
		12/20/2001		no product	0.84	78.83
		2/26/2002		no product	4.90	74.77
		3/28/2002		no product	2.40	77.27
		4/15/2002		no product	2.88	76.79
		5/21/2002		no product	6.95	72.72
		6/26/2002		no product	3.30	76.37
		7/29/2002		no product	1.15	78.52
		8/30/2002		NM	NM	NM
		9/12/2002		no product	2.96	76.71
		12/17/2002		no product	3.16	76.51
		3/12/2003		NM	NM	NM
		5/13/2003		no product	4.84	74.83
		6/8/2003		no product	2.15	77.52
		9/6/2003		no product	2.65	77.02
		12/13/2003		no product	4.52	75.15
CEF-103-SMW-10	11.63	8/30/2000	77.29	NM	NM	NM
		9/28/2000		no product	0.45	76.84
		10/31/2000		no product	2.35	74.94
		11/27/2000		no product	1.05	76.24
		12/20/2000		no product	2.11	75.18
		2/27/2001		no product	2.95	74.34
		3/27/2001		no product	0.50	76.79
		4/30/2001		no product	3.27	74.02
		5/22/2001		no product	4.89	72.40
		7/24/2001		no product	0.00	77.29
		8/30/2001		no product	1.88	75.41
		11/27/2001		no product	1.30	75.99
		12/20/2001		no product	0.55	76.74
		2/26/2002		no product	1.00	76.29
		3/28/2002		no product	1.05	76.24
		4/15/2002		no product	1.02	76.27
		5/21/2002		no product	4.31	72.98
		6/26/2002		no product	1.75	75.54
		7/29/2002		no product	0.30	76.99
		8/30/2002		NM	NM	NM
		9/12/2002		no product	0.75	76.54
		12/17/2002		no product	0.10	77.19
		3/12/2003		no product	0.00	77.29
		5/13/2003		no product	1.82	75.47

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-SMW-11	16.10	8/30/2000	82.48	no product	5.55	76.93
		9/28/2000		no product	4.60	77.88
		10/31/2000		no product	6.06	76.42
		11/27/2000		NM	NM	NM
		12/20/2000		no product	6.78	75.70
		2/27/2001		no product	7.14	75.34
		3/27/2001		no product	5.02	77.46
		4/30/2001		no product	NM	NM
		5/22/2001		no product	7.64	74.84
		7/24/2001		no product	5.56	76.92
		8/30/2001		no product	5.17	77.31
		11/27/2001		no product	6.24	76.24
		12/20/2001		no product	4.28	78.20
		2/26/2002		no product	5.82	76.66
		3/28/2002		no product	5.28	77.20
		4/15/2002		no product	4.94	77.54
		5/21/2002		no product	7.69	74.79
		6/26/2002		no product	6.14	76.34
		7/29/2002		no product	3.15	79.33
		8/30/2002		NM	NM	NM
		9/12/2002		no product	6.88	75.60
		12/17/2002		no product	6.50	75.98
		3/12/2003		no product	4.17	78.31
		5/13/2003		no product	6.89	75.59
		6/8/2003		no product	5.00	77.48
		9/6/2003		no product	5.12	77.36
		12/13/2003		no product	7.15	75.33
CEF-103-SMW-12	12.80	8/30/2000	82.04	6.50	6.51	75.53
		9/28/2000		NM	NM	NM
		10/31/2000		no product	6.51	75.53
		11/27/2000		NM	NM	NM
		12/20/2000		no product	6.28	75.76
		2/27/2001		no product	6.93	75.11
		3/27/2001		no product	3.84	78.20
		4/30/2001		no product	5.34	76.70
		5/22/2001		no product	8.26	73.78
		7/24/2001		no product	2.94	79.10
		8/30/2001		no product	4.45	77.59
		11/27/2001		no product	5.40	76.64
		12/20/2001		no product	2.77	79.27
		2/26/2002		no product	5.81	76.23
		3/28/2002		no product	4.15	77.89
		4/15/2002		no product	3.63	78.41
		5/21/2002		no product	8.16	73.88
		6/26/2002		no product	5.61	76.43
		7/29/2002		no product	2.59	79.45
		8/30/2002		NM	NM	NM
		9/12/2002		no product	4.39	77.65
		12/17/2002		NM	NM	NM
		3/12/2003		NM	NM	NM
		5/13/2003		no product	4.98	77.06

TABLE 2-2
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA
QUARTERLY REPORT DECEMBER 2003

103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (feet bgs)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-103-DMW-01	38.75	8/30/2000	82.40	no product	6.96	75.44
		9/28/2000		NM	NM	NM
		10/31/2000		no product	7.06	75.34
		11/27/2000		NM	NM	NM
		12/20/2000		no product	6.96	75.44
		2/27/2001		no product	7.92	74.48
		3/27/2001		no product	5.37	77.03
		4/30/2001		no product	8.18	74.22
		5/22/2001		no product	9.62	72.78
		7/24/2001		no product	4.38	78.02
		8/30/2001		no product	4.41	77.99
		11/27/2001		no product	6.50	75.90
		12/20/2001		no product	5.70	76.70
		2/26/2002		no product	5.99	76.41
		3/28/2002		no product	5.86	76.54
		4/15/2002		no product	5.69	76.71
		5/21/2002		no product	9.55	72.85
		6/26/2002		no product	7.35	75.05
		7/29/2002		no product	4.26	78.14
		8/30/2002		NM	NM	NM
		9/12/2002		no product	4.78	77.62
		12/17/2002		no product	5.02	77.38
		3/12/2003		NM	NM	NM
		5/13/2003		no product	6.85	75.55

NM = Not Measured
bgs = below ground surface
Elevation is referenced to National Geodetic Vertical Datum 1929 (NGVD 1929)
Depth to product measured from top of casing
Depth to water measured from top of casing
- : Data for these wells was lost prior to backup due to Pocket PC problems

3.0 Summary of Sampling and Laboratory Analytical Results

3.1 Vapor Monitoring

The SVE system was deactivated prior to commencement of O&M activities by TERRAINE.

3.2 Groundwater Monitoring

On December 13, 2003 groundwater from monitoring wells CEF-103-SMW-03, CEF-103-SMW-04, CEF-103-SMW-05, CEF-103-SMW-06, CEF-103-SMW-07, CEF-103-SMW-08, CEF-103-SMW-09, and CEF-103-SMW-11, was sampled for VOCs, PAHs, lead, and TRPH. All monitoring wells sampled have exhibited significant decreases in contaminant concentrations from the baseline groundwater-sampling event that was performed on March 20, 2000, prior to system start up. The contaminant concentrations for samples obtained in the 2003 fourth quarter monitoring event are below groundwater cleanup target levels (GCTLs) for all constituents except bromodichloromethane (CEF-103-SMW-11), Indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene (CEF-103-SMW-05), and TRPH (CEF-103-SMW-04). The locations of the wells are shown on **Figure 1-1**. Copies of the analytical laboratory reports from the groundwater sampling events are provided in Appendix A, and analytical results are summarized on **Table 3-1**. Copies of the groundwater sampling logs are provided in Appendix B.

Temperature, pH, conductivity, and dissolved oxygen (DO) measurements were recorded during sampling of the monitoring wells. The results from the field measurements are summarized on **Table 3-2**.

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chlroform	Bromodichloromethane
CEF-103-SMW01	03/20/00	<2	1.1	<3	<5	2.9	2.4	<6.5	1.4	<2.5	1.1	1.3	<2.5	2	<2	<6	<6.5	<1	<1	3.5	<1.0	0.42	0.068	--	--	--	--	--	--	--	--
	09/28/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	0.89	<1.04	0.44	<0.010	--	--	--	--	--	--	--	--
	12/20/00	<2	<5.5	<3	<5	0.91	0.57	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	2	<1	0.47	0.11	--	--	--	--	--	--	--	--
	03/27/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	0.53	<2	<6	<6.5	<1	<1	<2	<1	0.97	0.049	--	--	--	--	--	--	--	--
	05/23/01	0	5.5	<3	<5	1.5	2	<6.5	13	<2.5	0.63	5.5	<2.5	0.87	<2	<6	<6.5	<1	<1	2	<1	1	0.1	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.55	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	<0.52	0.015	--	--	--	--	--	--	--	--
	11/27/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	<0.54	<0.002	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.22	<0.005	--	--	--	--	--	--	--	--
	05/21/02	<1	<1	<1	<3	<1	<1	<1	<.56	<1	<1	<.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.21	<0.005	--	--	--	--	--	--	--	--
	09/12/02	<1	<1	<1	<3	<1	<1	<1	<.56	<1	<1	<.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	0.22	<0.005	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.04	<1.04	<2.50	<1.04	<0.200	<0.003	<1.00	<1.00	<1.04	<0.21	<0.21	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.2	<2.2	<5.00	<2.2	<0.211	<0.003	<1.00	<1.00	<2.2	<2.2	<2.2	<5.0	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.0	<1.0	<1.00
CEF-103-SMW02	03/20/00	<2	<5.5	<3	<5	1.1	1.7	1.9	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	5.2	<6.5	<1	<1	3.7	<1.0	0.33	0.036	--	--	--	--	--	--	--	--
	09/28/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	0.69	<1.04	0.66	0.032	--	--	--	--	--	--	--	--
	12/20/00	<2	<5.5	<3	<5	<1.5	<2	0.64	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	1.5	<1	0.58	0.17	--	--	--	--	--	--	--	--
	03/27/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	0.51	<2	<6	<6.5	<1	<1	<2	<1	0.87	0.015	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	0.61	<5.5	<2.5	0.96	<2	<6	<6.5	<1	<1	<2	<1	<1	0.1	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.49	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	0.24	0.03	--	--	--	--	--	--	--	--
	11/27/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.2	<0.2	<1	<0.2	<0.52	0.01	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.23	<0.005	--	--	--	--	--	--	--	--
	05/21/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.22	<0.005	--	--	--	--	--	--	--	--
	09/12/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	0.25	1.6	<0.005	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.05	<1.05	<2.50	<1.05	0.252	<0.003	<1.00	<1.00	<1.05	<0.21	<0.21	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.3	<2.3	<5.00	<2.3	<0.211	0.004	<1.00	<1.00	<2.3	<2.3	<2.3	<5.00	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chlroform	Bromodichloromethane
CEF-103-SMW03	03/20/00	<2	1.4	3.7	<5	<1.5	<2	52	<13	20	<6.5	<5.5	4.6	<1.5	4.2	12	2.2	<1	<1	17	3.7	1.5	0.057	--	--	--	--	--	--	--	--
	09/28/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	0.89	<1.04	0.75	0.051	--	--	--	--	--	--	--	--
	12/20/00	<2	<5.5	<3	<5	<1.5	<2	0.64	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	1.4	<1	0.44	<0.010	--	--	--	--	--	--	--	--
	03/27/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	0.65	<2	<6	<6.5	<1	<1	<2	<1	0.75	0.047	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	1.3	<2	<6	<6.5	<1	<1	<2	<1	<1	0.013	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.48	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	<0.52	0.132	--	--	--	--	--	--	--	--
	11/28/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	0.95	0.122	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	<0.22	0.0222	--	--	--	--	--	--	--	--
	05/21/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	09/12/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	0.24	0.0313	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.06	<1.06	<2.50	<1.06	<0.200	<0.003	<1.00	<1.00	<1.06	<0.21	<0.21	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.7	<2.7	<5.00	<2.7	<0.211	<0.003	<1.00	<1.00	<2.7	<2.7	<2.7	<5.00	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.222	0.004	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
	06/07/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<1.0	<1.0	NA	1.13	<0.222	0.015	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<0.10	<0.200	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<0.10	<0.200	0.007	<0.10	<1.00	<0.10	<0.10	<0.10	<5.0	<1.00	<1.00
CEF-103-SMW04	01/03/00	2.8	<5.5	87	280	<1.5	<2	410	<13	130	<6.5	<5.5	43	<1.5	54	89	40	<1	<1	210	58.2	8.6	<0.01	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	1	<5.5	<3	<5	<1.5	<2	0.69	<13	0.72	<6.5	<5.5	<2.5	1.1	<2	<6	<6.5	<1	<1	<2	<1	4.6	0.013	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.47	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	3.3	0.059	--	--	--	--	--	--	--	--
	11/28/01	<1	<1	<1	<2	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.2	<0.2	<1	<0.2	7.8	<0.002	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	1.2	1.2	<1	1.2	0.64	<0.005	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.23	<0.23	<1	<0.23	1.5	0.0035	--	--	--	--	--	--	--	--
	09/12/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.23	<0.22	<0.22	<0.22	0.64	<0.005	--	--	--	--	--	--	--	--
	12/17/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.3	<2.3	<5.00	<2.3	2.420	<0.003	<1.00	<1.00	<2.3	<2.3	<2.3	<5.00	<5.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	0.016	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	0.6	1.15	<0.003	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	<0.200	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	5.97	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.0	<1.00	<1.00

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chlroform	Bromodichloromethane
CEF-103-SMW05	03/20/00	<2	<5.5	<3	<5	<1.5	5.5	<6.5	<13	130	<6.5	<5.5	<2.5	<1.5	<2	<2	2.1	<1	<1	9.8	3.7	11	0.025	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	1.1	<2	<6	<6.5	<1	<1	<2	<1	1	0.021	--	--	--	--	--	--	--	--
	08/30/01	<0.5	5.1	0.47	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	0.49	0.018	--	--	--	--	--	--	--	--
	11/27/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	0.37	<0.002	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.22	<0.005	--	--	--	--	--	--	--	--
	05/21/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.21	<0.005	--	--	--	--	--	--	--	--
	09/12/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	0.37	<0.005	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.04	<1.04	<2.50	<1.04	<0.200	<0.003	<1.00	<1.00	<1.04	<0.21	<0.21	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.4	<2.4	<5.00	<2.4	<0.211	<0.003	<1.00	<1.00	<2.4	<2.4	<2.4	<5.00	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<0.10	<0.211	<0.003	<1.00	<1.00	<0.10	<0.10	<0.10	<5.0	<1.00	<1.00
	09/06/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<0.10	<0.200	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<0.10	<0.200	<0.005	<0.10	<1.00	<0.10	0.31	0.27	12.2	<1.00	<1.00
CEF-103-SMW06	03/20/00	<2	<5.5	17	24	<1.5	<2	55	<13	16	<6.5	<5.5	8.7	1.6	8.9	2.2	3.4	<1	<1	22	8.9	0.66	0.033	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	0.59	<5.5	<2.5	0.95	<2	<6	<6.5	<1	<1	<2	<1	<1	0.086	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.51	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.22	<0.22	NA	<0.22	<0.51	0.248	--	--	--	--	--	--	--	--
	11/27/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.52	0.068	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.21	<0.005	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.2	0.24	<1	0.2	<0.52	0.0101	--	--	--	--	--	--	--	--
	09/13/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.22	<0.22	<1	<0.22	<0.21	<0.005	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.04	<1.04	<2.50	<1.04	0.28	<0.003	<1.00	<1.00	<1.04	<0.21	<0.21	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.3	<2.3	<5.00	<2.3	0.265	0.003	<1.00	<1.00	<2.3	<2.3	<2.3	<5.00	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	0.004	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	NA	0.004	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	1.5	<2.50	<1.0	<1.0	2.0	<0.10	<0.10	NA	<0.10	NA	0.007	2.5	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	2.0	<0.10	<0.10	NA	<0.10	1.61	<0.005	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chlroform	Bromodichloromethane
CEF-103-SMW07	03/20/00	<2	<5.5	<3	2.2	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	1.6	<2	<6	<6.5	<1	<1	<2	<1.0	0.72	0.013	--	--	--	--	--	--	--	--
	09/28/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	0.72	<1.04	0.73	0.086	--	--	--	--	--	--	--	--
	12/20/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	1.1	<1	0.67	0.17	--	--	--	--	--	--	--	--
	03/27/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	0.53	<2	<6	<6.5	<1	<1	<2	<1	1.3	0.07	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	0.87	<5.5	<2.5	1.1	<2	<6	<6.5	<1	<1	<2	<1	<1	0.071	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.44	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	<0.52	0.049	--	--	--	--	--	--	--	--
	11/27/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.2	<0.2	<1	<0.2	<0.5	0.025	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.22	0.0038	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.21	0.31	<1	<0.21	<0.53	0.0106	--	--	--	--	--	--	--	--
	09/13/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.2	0.0024	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.14	<1.14	<2.50	<1.14	<0.200	<0.003	<1.00	<1.00	<1.14	<0.23	<0.23	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.3	<2.3	<5.00	<2.3	0.293	<0.003	<1.00	<1.00	<2.3	<2.3	<2.3	<5.00	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	<0.211	<0.003	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	<0.200	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	0.252	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
CEF-103-SMW08	03/20/00	<2	<5.5	<3	2.3	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	<2	<1.0	0.54	0.042	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	1	<5.5	<2.5	1	<2	<6	<6.5	<1	<1	<2	<1	<1	0.16	--	--	--	--	--	--	--	--
	08/30/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	11/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	02/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.21	0.31	<1	<0.21	0.56	<.005	--	--	--	--	--	--	--	--
	09/13/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/17/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/12/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.222	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	<0.211	<0.003	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	<0.200	<0.005	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	0.11	<0.200	<0.005	<0.10	<1.00	0.37	<0.10	<0.10	<5.00	<1.00	<1.00

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chlroform	Bromodichloromethane
CEF-103-SMW09	03/20/00	<2	<5.5	<3	1.1	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	1.2	<2	<6	<6.5	<1	<1	<2	<1.0	0.7	0.024	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	0.78	<5.5	<2.5	1.1	<2	<6	<6.5	<1	<1	<2	<1	1	0.09	--	--	--	--	--	--	--	--
	08/30/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	11/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	02/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.21	0.34	<1	<0.21	0.28	<.005	--	--	--	--	--	--	--	--
	09/13/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/17/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/12/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.00	<1.00	<2.2	<2.2	<2.2	<5.00	<1.00	<1.00
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.0	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	NA	<0.003	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	NA	<0.003	<0.10	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<5.00	<1.0	<1.0	<1.0	3.30	<2.50	<1.0	<1.0	<1.0	<0.10	<0.10	NA	<0.10	0.214	<0.003	<0.10	<1.00	<0.10	<0.10	<0.10	<5.0	<1.00	<1.00
CEF-103-SMW10	03/20/00	<2	<5.5	<3	2.7	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	<2	<1.0	0.43	0.052	--	--	--	--	--	--	--	--
	09/28/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	0.63	<1.04	0.62	0.24	--	--	--	--	--	--	--	--
	12/20/00	<2	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	1	<1	0.39	0.34	--	--	--	--	--	--	--	--
	03/27/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	1	<2	<6	<6.5	<1	<1	<2	<1	0.66	0.05	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	1.1	<5.5	<2.5	1.1	<2	<6	<6.5	<1	<1	<2	<1	<1	0.065	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1	0.47	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.21	NA	<0.21	<0.52	0.016	--	--	--	--	--	--	--	--
	11/27/01	<1	<1	<1	<2	<1	<1	<1	<0..56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.2	<0.2	<1	<0.2	<0.51	<0.002	--	--	--	--	--	--	--	--
	02/26/02	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<0.2	<1	<0.19	<0.19	<0.21	<0.2	<0.2	<1	<0.2	<0.21	<0.005	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<2	<0.19	<0.19	<0.21	<0.2	<0.2	<1	<0.2	<0.52	0.0047	--	--	--	--	--	--	--	--
	09/13/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	0.23	<1	<0.21	<0.22	<0.005	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.06	<1.06	<2.50	<1.06	<0.200	<0.003	<1.00	<1.00	<1.06	<0.21	<0.21	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.2	<2.2	<5.00	<2.2	<0.211	<0.003	NS	NS	NS	NS	NS	NS	NS	NS
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chloroform	Bromodichloromethane
CEF-103-SMW11	03/20/00	1.9	3.8	51	220	<1.5	<2	250	<13	52	<6.5	<5.5	26	<1.5	28	24	17	<1	<1	96	20.6	3.6	0.054	--	--	--	--	--	--	--	--
	09/28/00	1.9	<5.5	2.9	12	<1.5	<2	12	<13	4.1	<6.5	<5.5	1.2	<1.5	1.2	<6	1.2	<1	<1	3.7	2.2	7.8	0.051	--	--	--	--	--	--	--	--
	12/20/00	<2	<5.5	20	10	1.23	0.78	87	<13	22	<6.5	<5.5	8	<1.5	8.3	9.6	5.9	6	5	31	11	15	0.14	--	--	--	--	--	--	--	--
	03/27/01	<1	<5.5	10	14	<1.5	<2	46	<13	11	<6.5	<5.5	5.6	<1.5	5.4	4.1	5.4	3.16	2.17	17	2.74	20	0.032	--	--	--	--	--	--	--	--
	05/23/01	1	<5.5	23	29	<1.5	<2	61	<13	14	<6.5	<5.5	11	1	11	4.2	5.8	10.9	7.88	37	18.4	6.4	0.037	--	--	--	--	--	--	--	--
	08/30/01	<0.5	<1.0	10	17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.2	0.74	NA	3.6	20	<0.03	--	--	--	--	--	--	--	--
	10/10/01	0.32	<40	36	50.5	<70	<70	100	0.56	21	<2.7	<0.39	15	<5	16	5	6	NA	NA	76	NA	NA	NA	--	--	--	--	--	--	--	--
	11/27/01	0.42	0.19	44	36	<1	<1	123	<0.56	13	<1	<0.46	18	<2	18	8.3	9.4	12	10	83	19	20	<0.01	--	--	--	--	--	--	--	--
	02/26/02	0.32	0.28	39	36.5	<1	<1	78.9	<1	8.4	<1	<1	18.4	<1	17.7	7.9	8.7	19.2	11.9	64.6	20.7	6.2	<0.005	--	--	--	--	--	--	--	--
	05/22/02	<1	<1	3.2	0.59	<1	<1	0.6	0.56	0.7	<1	<0.46	2.3	<2	1.6	0.46	1.6	1.1	1.1	5.4	2.3	1.5	<0.005	--	--	--	--	--	--	--	--
	09/12/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	1.7	0.0351	--	--	--	--	--	--	--	--
	12/17/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.09	<1.09	<2.50	<1.09	4.98	0.016	<1.00	<1.00	<1.09	<0.22	<0.22	<5.00	<1.00	<1.00
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.2	<2.2	<5.00	<2.2	0.661	<0.003	NS	NS	NS	NS	NS	NS	NS	NS
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<4.0	<0.200	0.009	<1.00	<1.00	<4.0	<4.0	<4.0	<5.00	<1.00	<1.00
	06/08/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<5.00	3.00	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	1.41	0.50	NA	1.4	5.89	0.014	<1.00	<1.00	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	09/06/03	<1.0	<1.0	1.3	6	<1.0	<1.0	9.00	<5.00	6.70	<1.0	<1.0	2.00	<2.50	2.2	<1.0	2.00	3.10	0.79	NA	<0.10	3.89	<0.005	<1.00	1.7	<0.10	<0.10	<0.10	<5.00	<1.00	<1.00
	12/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.00	<1.0	<1.0	<1.00	<2.50	<1.00	<1.0	<1.00	0.65	<0.10	NA	0.22	1.34	<0.005	<1.00	<1.00	<0.10	<0.10	<0.10	<5.0	1.0	2.7
CEF-103-SMW12	03/20/00	<2	<5.5	<3	2.3	<1.5	<2	4	<13	1.4	<6.5	<5.5	<2.5	3.7	<2	<6	<6.5	<1	<1	6.3	<1.0	0.7	0.074	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	0.51	<5.5	<2.5	1.2	<2	<6	<6.5	<1	<1	1.1	<1	1.1	0.031	--	--	--	--	--	--	--	--
	08/30/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	11/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	02/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/21/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	0.23	<1	<0.21	<0.21	0.0119	--	--	--	--	--	--	--	--
	09/13/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/17/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.98	0.016	NS	NS	NS	NS	NS	NS	NS	NS
	03/12/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	<0.003	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00

TABLE 3-1
Quarterly Report December 2003
Groundwater Analytical Results
103rd Street - NAS Cecil Field, Jacksonville, Florida

	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	Chloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	1- Methylnaphthalene	2-Methylnaphthalene	Naphthalene (by EPA Method 8021or 8260B)	Naphthalene (by EPA Method 8310 or 8270C)	Petroleum Range Org (PRO) in mg/L	Lead in mg/L	1, 1 - Dichloroethane	N-Butylbenzene	Acenaphthylene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	2 - Hexanone	Chloroform	Bromodichloromethane
CEF-103-DMW01	03/20/00	<2	<5.5	<3	1.8	<1.5	<2	<6.5	<13	<2.5	<6.5	<5.5	<2.5	<1.5	<2	<6	<6.5	<1	<1	<2	<1.0	0.48	<0.01	--	--	--	--	--	--	--	--
	09/28/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	03/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/23/01	<1	<5.5	<3	<5	<1.5	<2	<6.5	<13	<2.5	1.3	<5.5	<2.5	1.1	<2	<6	<6.5	<1	<1	<2	<1	<1	<.01	--	--	--	--	--	--	--	--
	08/30/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	11/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	02/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	05/21/02	<1	<1	<1	<3	<1	<1	<1	<0.56	<1	<1	<0.46	<0.2	<1	<0.19	<0.19	<0.21	<0.21	<0.21	<1	<0.21	<0.21	<.005	--	--	--	--	--	--	--	--
	09/13/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--	--	--
	12/17/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/12/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.00	<1.0	<1.0	<1.0	<1.0	<2.50	<1.0	<1.0	<1.0	<2.0	<2.0	<5.00	<2.0	<0.200	0.005	<1.00	<1.00	<2.0	<2.0	<2.0	<5.00	<1.00	<1.00
GCTL		**1**	**40**	**30**	**20**	**70**	**70**	**10**	**0.2**	**10**	**2.7**	**0.5**	**0.8**	**5**	**---**	**---**	**---**	**20**	**20**	**20**	**20**	**5**	**0.015**	**70**	**--**	**20**	**0.2**	**0.2**	**280**	**5.7**	**0.6**
NADSC		**100**	**400**	**300**	**200**	**700**	**700**	**100**	**20**	**100**	**270**	**50**	**8**	**500**	**---**	**---**	**---**	**200**	**200**	**200**	**200**	**50**	**0.15**	**700**	**--**	**200**	**20**	**20**	**2800**	**570**	**60**

NOTES:
1. **All results in ug/L, except FL PRO and lead, which are in mg/L**
2. **-- = Not available**
3. **NA = Not Analyzed**
4. **NS = Not Sampled**
5. **GCTL=Groundwater Cleanup Target Levels**
6. **NADSC = Natural Attenuation Default Source Concentrations**
7. **Shade = Concentration is above groundwater cleanup target levels (GCTLs)**
8. **Napthalene was analyzed by method 8260B for 12/17/02 sample.**
9. **p-Isopropyltoluene is 4-Isopropyltoluene in the analytical report**
10. **Due to breakage during shipping, SWW-06 and SMW-09 cound not be anaylzed for TRPH for the June 2003 sampling event.**

Table 3-2
QUARTERLY REPORT DECEMBER 2003
MONITORING WELL FIELD MEASUREMENTS
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Well Identification	Date	pH	Conductivity (mS/cm)	Dissolved O_2 (mg/l)	Temperature (^oC)
CEF-103-SMW-01	03/20/00	6.29	0.915	9.33	23.3
	09/28/00	6.87	0.712	2.25	26.4
	12/20/00	6.50	0.520	1.8	21.6
	03/27/01	7.10	0.730	0.7	20
	05/23/01	5.70	0.485	3.07	22.5
	08/30/01	8.81	0.654	NR	26.8
	11/27/01	8.68	0.535	1.42	24.3
	02/26/02	7.63	0.553	1.61	20.2
	05/21/02	6.77	0.633	1.72	24.4
	09/12/02	6.51	0.655	1.59	27.4
	12/17/02	7.10	NR	0.32	22.28
	03/12/03	-	-	-	0
	5/13/2003	7.97	0.645	0.38	24.70
CEF-103-SMW-02	03/20/00	6.09	0.945	8.81	22.4
	09/28/00	6.46	0.934	2.07	27.3
	12/20/00	6.61	0.720	2.1	22.4
	03/27/01	7.20	0.670	2.5	20
	05/23/01	6.24	0.599	3.66	21.7
	08/30/01	7.31	0.761	NR	27.1
	11/27/01	8.89	0.052	3.15	24.4
	02/26/02	7.78	0.588	1.08	20.8
	05/21/02	6.54	0.621	1.28	24.4
	09/12/02	6.37	0.641	1.43	28
	12/17/02	6.50	NR	0.32	22.28
	3/12/2003	5.20	0.491	5.62	19.83
	5/13/2003	6.86	0.55	0.00	23.83
CEF-103-SMW-03	03/20/00	6.40	0.806	9.4	22.6
	09/28/00	5.92	0.665	5.74	26.5
	12/20/00	4.30	0.667	4.42	22.3
	03/27/01	7.10	0.740	6.3	21
	05/23/01	5.60	0.652	5.8	23
	08/30/01	9.54	0.500	NR	26.5
	11/27/01	NR	NR	NR	NR
	02/26/02	8.61	0.371	5.81	20.3
	05/21/02	NR	NR	NR	NR
	09/12/02	NR	NR	NR	NR
	12/16/02	7.05	NR	0.43	22.82
	03/12/03	-	-	-	-
	05/13/03	8.21	0.615	0.69	24.03
	06/07/03	6.81	0.650	0	25.04
	09/06/03	6.72	0.452	0.23	28.00
	12/13/03	6.44	0.990	3.98	22.59

Table 3-2
QUARTERLY REPORT DECEMBER 2003
MONITORING WELL FIELD MEASUREMENTS
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Well Identification	Date	pH	Conductivity (mS/cm)	Dissolved O_2 (mg/l)	Temperature (^oC)
CEF-103-SMW-04	03/20/00	6.27	0.758	9.19	23.2
	09/28/00	NR	NR	NR	NR
	12/20/00	NR	NR	NR	NR
	03/27/01	NR	NR	NR	NR
	05/23/01	6.49	0.653	3.59	24.8
	08/30/01	10.65	0.611	NR	27.6
	11/27/01	9.10	0.275	5.17	26.2
	02/26/02	8.31	0.330	6.16	21.8
	05/21/02	6.81	0.507	3.76	24.1
	09/12/02	7.63	0.391	4.62	29.1
	12/17/02	NR	NR	NR	NR
	03/12/03	5.46	0.535	2.64	21.29
	05/13/03	6.79	0.469	5.26	25.12
	06/08/03	6.81	0.626	0	25.94
	9/6/2003	6.49	0.622	0.41	29.02
	12/13/2003	6.74	0.99	6.01	23.89
CEF-103-SMW-05	03/20/00	6.57	1.120	8.93	23.1
	09/28/00	NR	NR	NR	NR
	12/20/00	NR	NR	NR	NR
	03/27/01	NR	NR	NR	NR
	05/23/01	6.86	0.610	2.67	23.8
	08/30/01	9.85	0.581	NR	27.4
	11/27/01	9.71	0.430	4.56	24.8
	02/26/02	8.69	0.459	4.1	20.7
	05/21/02	7.59	0.531	5.4	25.8
	09/12/02	7.58	0.459	4.67	28.6
	12/16/02	7.170	NR	0.440	22.900
	03/12/03	6.090	0.529	1.220	20.590
	05/13/03	8.500	0.619	0.720	24.560
	06/08/03	7.060	0.639	0.160	25.59
	9/6/2003	6.63	0.614	0.27	28.46
	12/13/2003	7.12	0.99	1.64	23.00
CEF-103-SMW-06	03/20/00	5.95	0.750	9.25	20.5
	09/28/00	NR	NR	NR	NR
	12/20/00	NR	NR	NR	NR
	03/27/01	NR	NR	NR	NR
	05/23/01	3.06	1.620	2.61	21.5
	08/30/01	2.47	0.868	NR	26.1
	11/27/01	3.68	2.290	2.77	23.3
	02/26/02	3.69	0.819	2.82	19.8
	05/21/02	3.27	2.360	2.76	23.3
	09/12/02	3.83	0.780	2.46	26.3
	12/17/02	3.16	NR	0.00	20.47
	03/12/03	3.69	2.180	1.40	19.50
	05/13/03	5.67	2.720	0.11	22.65
	06/08/03	4.20	0.732	3.32	24.06
	9/6/2003	3.08	0.320	1.09	26.56
	12/13/2003	5.41	0.860	2.63	22.08

Table 3-2
QUARTERLY REPORT DECEMBER 2003
MONITORING WELL FIELD MEASUREMENTS
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Well Identification	Date	pH	Conductivity (mS/cm)	Dissolved O_2 (mg/l)	Temperature (^oC)
CEF-103-SMW-07	03/20/00	5.78	0.940	9.63	20.9
	09/28/00	6.88	0.194	3.67	26.2
	12/20/00	6.30	0.210	3.2	20.6
	03/27/01	7.10	0.260	4.2	19
	05/23/01	5.95	0.249	4.73	21.5
	08/30/01	8.10	0.195	NR	26.1
	11/27/01	7.51	0.156	6.64	23.4
	02/26/02	7.44	0.169	3.67	19.5
	05/21/02	6.51	0.250	2.93	23.4
	09/12/02	6.16	0.245	1.47	26.5
	12/16/02	6.15	NR	0.21	20.57
	03/12/03	6.31	0.525	1.08	19.11
	05/13/03	9.92	0.568	0.06	23.30
	06/08/03	6.44	0.366	0.00	25.15
	9/6/2003	5.92	0.559	0.26	27.77
	12/13/2003	6.07	0.584	2.21	22.08
CEF-103-SMW-08	03/20/00	6.23	0.662	9.84	21.8
	09/28/00	NR	NR	NR	NR
	12/20/00	NR	NR	NR	NR
	03/27/01	NR	NR	NR	NR
	05/23/01	5.98	0.310	0.23	21.3
	08/30/01	NR	NR	NR	NR
	11/27/01	NR	NR	NR	NR
	02/26/02	NR	NR	NR	NR
	05/21/02	6.35	0.367	1.8	24.1
	09/12/02	NR	NR	NR	NR
	12/17/02	NR	NR	NR	NR
	03/12/03	NR	NR	NR	NR
	05/13/03	11.34	0.454	0.340	23.50
	06/08/03	6.49	0.430	0.050	24.85
	09/06/03	6.21	0.296	0.430	28.29
	12/13/03	6.12	0.829	0.000	21.38
CEF-103-SMW-09	03/20/00	5.72	0.823	8.99	21.3
	09/28/00	NR	NR	NR	NR
	12/20/00	NR	NR	NR	NR
	03/27/01	NR	NR	NR	NR
	05/23/01	5.50	0.339	1.89	21.8
	08/30/01	NR	NR	NR	NR
	11/27/01	NR	NR	NR	NR
	02/26/02	NR	NR	NR	NR
	05/21/02	5.82	0.391	1.2	23.7
	09/12/02	NR	NR	NR	NR
	12/17/02	NR	NR	NR	NR
	03/12/03	NR	NR	NR	NR
	05/13/03	12.19	0.435	0.400	23.28
	06/08/03	6.50	0.464	0.15	25.40
	09/06/03	6.060	0.990	1.04	27.98
	12/13/03	5.650	0.327	2.73	24.50

Table 3-2
QUARTERLY REPORT DECEMBER 2003
MONITORING WELL FIELD MEASUREMENTS
103rd STREET AND "A" AVENUE JET FUEL TRANSFER PIPELINE
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Well Identification	Date	pH	Conductivity (mS/cm)	Dissolved O_2 (mg/l)	Temperature (^oC)
CEF-103-SMW-10	03/20/00	5.43	0.197	9.4	20.7
	09/28/00	5.25	0.350	0.9	25
	12/20/00	4.32	0.380	2.5	19.3
	03/27/01	7.00	0.180	2.5	18
	05/23/01	4.05	0.514	4.63	20.6
	08/30/01	4.94	0.641	NR	24.8
	11/27/01	6.93	0.382	2.92	22.8
	02/26/02	4.66	0.303	1.07	18.5
	05/21/02	4.55	0.709	0.84	22.4
	09/12/02	5.38	0.261	1.93	26
	12/17/02	5.25	NR	0.17	18.05
	03/12/03	5.45	0.85	0.82	18.59
	5/13/2003	9.37	0.849	0.09	22.49
CEF-103-SMW-11	03/20/00	6.33	0.960	9.61	22.6
	09/28/00	6.82	0.816	2	27.3
	12/20/00	6.89	1.070	0.11	22.1
	03/27/01	7.20	1.300	2.2	21
	05/23/01	6.45	0.696	1.63	24.1
	08/30/01	11.41	1.150	NR	27.6
	11/27/01	8.83	0.729	0.66	24.9
	02/26/02	7.83	0.642	0.71	20.9
	05/21/02	6.81	0.537	2.1	23.8
	09/12/02	7.28	0.416	4.91	29.1
	12/17/02	7.17	NR	3.40	24.28
	03/12/03	5.17	0.49	3.57	20.84
	05/13/03	*	*	*	*
	06/08/03	6.75	0.51	0.00	26.20
	9/6/2003	6.55	0.614	0.17	28.39
	12/13/2003	6.60	0.99	3.38	24.27
CEF-103-SMW-12	03/20/00	5.72	0.615	9	22.6
	09/28/00	NR	NR	NR	NR
	12/20/00	NR	NR	NR	NR
	03/27/01	NR	NR	NR	NR
	05/23/01	5.71	0.464	4.39	22.3
	08/30/01	NR	NR	NR	NR
	11/27/01	NR	NR	NR	NR
	02/26/02	NR	NR	NR	NR
	05/21/02	6.58	0.569	2.89	24.8
	09/12/02	NR	NR	NR	NR
	12/17/02	NR	NR	NR	NR
	03/12/03	NR	NR	NR	NR
	5/13/2003	8.150	0.614	0.240	24.050

NR = No Reading Taken

* Well was purged dry at 1.75 gallons; allowed to recharge prior to sampling.

- : Data for these wells was lost prior to backup due to handheld computer problems.

4.0 Conclusions and Recommendations

Laboratory results indicated bromodichloromethane concentrations greater than the GCTL in groundwater sampled from CEF-103-SMW-11, Indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene concentrations greater than the GCTL in groundwater sampled from monitoring well CEF-103-SMW-05, and TRPH concentrations greater than the GCTL in groundwater sampled from CEF-103-SMW-04. LNAPL was not noted in any monitoring wells during the monitoring period.

Sampling should continue on a quarterly basis to monitor the presence of VOCs, PAHs, lead, and TRPH in groundwater.

5.0 References

Tetra Tech NUS, Inc. August 1999. Remedial Action Plan, “A” Avenue Jet Fuel Transfer Pipeline and 103rd Street, Naval Air Station Cecil Field, Jacksonville, Florida.

CH2M HILL Constructors, Inc. February 2000. Work Plan Addendum No. 01 103rd Street and “A” Avenue Jet Fuel Transfer Pipeline Air Sparge and Soil Vapor Extraction System Installation, Naval Air Station Cecil Field, Jacksonville, Florida.

Appendix A

Laboratory Analytical Reports for Groundwater Samples

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195582
Sample ID: CEF-103-SMW-03
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 8:54
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	ND	ug/L	200.	1.0	12/20/03	23:56	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	2:30	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	3:48	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	3:48	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	3:48	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	3:48	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	3:48	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	3:48	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	3:48	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	3:48	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	3:48	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	3:48	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-03

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	3:48	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	3:48	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	3:48	S. Roberts 82
METALS							
Lead	7.0	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	110.	82. - 142.
TPH Surr, C-35	66.	42. - 193.
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	93.	71. - 132.
VOA Surr, DBFM	94.	74. - 128.
BNA Surr-Nitrobenzene-d5	74.	34. - 107.
BNA Surr-2-Fluorobiphenyl	68.	40. - 96.
BNA Surr-Terphenyl-d14	67.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195583
Sample ID: CEF-103-SMW-04
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 11:47
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	5970	ug/L	1000	5.0	12/22/03	8:27	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	3:03	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/24/03	4:03	C. Spry	82
Toluene	ND	ug/L	1.0	1.0	12/24/03	4:03	C. Spry	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/24/03	4:03	C. Spry	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/24/03	4:03	C. Spry	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Naphthalene	ND	ug/L	5.00	1.0	12/24/03	4:03	C. Spry	82
Acetone	ND	ug/L	250.	1.0	12/24/03	4:03	C. Spry	82
Bromobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Bromoform	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Bromomethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
2-Butanone	ND	ug/L	25.0	1.0	12/24/03	4:03	C. Spry	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Carbon disulfide	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Chlorobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Chloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Chloroform	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Chloromethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/24/03	4:03	C. Spry	82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Dibromomethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
2-Hexanone	ND	ug/L	5.00	1.0	12/24/03	4:03	C. Spry	82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/24/03	4:03	C. Spry	82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-04

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
Methylene chloride	ND	ug/L	2.50	1.0	12/24/03	4:03	C. Spry	82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Styrene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Trichloroethene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/24/03	4:03	C. Spry	82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Vinyl chloride	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/24/03	4:03	C. Spry	82
METALS								
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson	60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	95.	82. - 142.
TPH Surr, C-35	80.	42. - 193.
VOA Surr 1,2-DCA-d4	86.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	92.	74. - 128.
BNA Surr-Nitrobenzene-d5	72.	34. - 107.
BNA Surr-2-Fluorobiphenyl	59.	40. - 96.
BNA Surr-Terphenyl-d14	62.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195584
Sample ID: CEF-103-SMW-05
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 10:24
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	ND	ug/L	200.	1.0	12/21/03	0:36	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Dibenz(a,h)anthracene	0.27	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Indeno(1,2,3-cd)pyrene	0.31	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	3:35	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	8:32	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	8:32	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	8:32	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	8:32	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	8:32	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	8:32	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	8:32	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	8:32	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
2-Hexanone	12.2	ug/L	5.00	1.0	12/21/03	8:32	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	8:32	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-05

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	8:32	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	8:32	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	8:32	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	116.	82. - 142.
TPH Surr, C-35	63.	42. - 193.
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	95.	71. - 132.
VOA Surr, DBFM	93.	74. - 128.
BNA Surr-Nitrobenzene-d5	73.	34. - 107.
BNA Surr-2-Fluorobiphenyl	51.	40. - 96.
BNA Surr-Terphenyl-d14	71.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195585
Sample ID: CEF-103-SMW-06
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 11:19
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	1610	ug/L	200.	1.0	12/21/03	0:56	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	4:08	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	9:04	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	9:04	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	9:04	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	9:04	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	9:04	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	9:04	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	9:04	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	9:04	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	9:04	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	9:04	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-06

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	9:04	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	9:04	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	9:04	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	112.	82. - 142.
TPH Surr, C-35	68.	42. - 193.
VOA Surr 1,2-DCA-d4	88.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	94.	71. - 132.
VOA Surr, DBFM	96.	74. - 128.
BNA Surr-Nitrobenzene-d5	100.	34. - 107.
BNA Surr-2-Fluorobiphenyl	66.	40. - 96.
BNA Surr-Terphenyl-d14	79.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195586
Sample ID: CEF-103-SMW-07
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 8:59
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	252.	ug/L	200.	1.0	12/21/03	1:16	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	4:41	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	9:36	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	9:36	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	9:36	S. Roberts	82
Xylenes (Total)	3.2	ug/L	1.0	1.0	12/21/03	9:36	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	9:36	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	9:36	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	9:36	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	9:36	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	9:36	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	9:36	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-07

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	9:36	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	9:36	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	9:36	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	109.	82. - 142.
TPH Surr, C-35	69.	42. - 193.
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	95.	74. - 128.
BNA Surr-Nitrobenzene-d5	72.	34. - 107.
BNA Surr-2-Fluorobiphenyl	57.	40. - 96.
BNA Surr-Terphenyl-d14	70.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195587
Sample ID: CEF-103-SMW-08
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 10:23
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	ND	ug/L	200.	1.0	12/21/03	1:36	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Acenaphthylene	0.37	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Naphthalene	0.11	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	5:13	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	10:07	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	10:07	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	10:07	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	10:07	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	10:07	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	10:07	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	10:07	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	10:07	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	10:07	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	10:07	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-08

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	10:07	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	10:07	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	10:07	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	106.	82. - 142.
TPH Surr, C-35	65.	42. - 193.
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	97.	74. - 128.
BNA Surr-Nitrobenzene-d5	79.	34. - 107.
BNA Surr-2-Fluorobiphenyl	67.	40. - 96.
BNA Surr-Terphenyl-d14	73.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195588
Sample ID: CEF-103-SMW-09
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 12:29
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	214.	ug/L	200.	1.0	12/21/03	2:36	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	5:46	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	10:39	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	10:39	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	10:39	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	10:39	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	10:39	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	10:39	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	10:39	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	10:39	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	10:39	S. Roberts 82
Isopropylbenzene	3.30	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	10:39	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-09

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Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	10:39	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
1,2,4-Trimethylbenzene	1.2	ug/L	1.0	1.0	12/21/03	10:39	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	10:39	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	107.	82. - 142.
TPH Surr, C-35	73.	42. - 193.
VOA Surr 1,2-DCA-d4	89.	70. - 133.
VOA Surr Toluene-d8	94.	76. - 123.
VOA Surr, 4-BFB	94.	71. - 132.
VOA Surr, DBFM	95.	74. - 128.
BNA Surr-Nitrobenzene-d5	71.	34. - 107.
BNA Surr-2-Fluorobiphenyl	52.	40. - 96.
BNA Surr-Terphenyl-d14	69.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195589
Sample ID: CEF-103-SMW-11
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 13:31
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	1340	ug/L	200.	1.0	12/21/03	2:56	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Naphthalene	0.22	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
1-Methylnaphthalene	0.65	ug/L	0.10	1.0	12/20/03	6:18	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	11:10	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	11:10	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	11:10	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	11:10	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	11:10	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	11:10	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	11:10	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Chloroform	1.00	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	11:10	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	11:10	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	11:10	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: CEF-103-SMW-11

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	11:10	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	11:10	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Bromodichloromethane	2.70	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	11:10	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	121.	82. - 142.
TPH Surr, C-35	90.	42. - 193.
VOA Surr 1,2-DCA-d4	88.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	95.	74. - 128.
BNA Surr-Nitrobenzene-d5	82.	34. - 107.
BNA Surr-2-Fluorobiphenyl	60.	40. - 96.
BNA Surr-Terphenyl-d14	72.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195590
Sample ID: EQUIPMENT BLAN
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected: 13:00
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
ORGANIC PARAMETERS								
TRPH	ND	ug/L	200.	1.0	12/21/03	3:17	Weatherly	FPI
EXTRACTABLE ORGANICS								
Acenaphthene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Acenaphthylene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Anthracene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Benzo(a)anthracene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Benzo(a)pyrene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Chrysene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Fluoranthene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Fluorene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
2-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Naphthalene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Phenanthrene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
Pyrene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
1-Methylnaphthalene	ND	ug/L	0.10	1.0	12/20/03	7:52	D. Harris	82
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	11:42	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	11:42	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	11:42	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	11:42	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	11:42	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	11:42	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	11:42	S. Roberts	82

n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	11:42	S. Roberts 82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	11:42	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	11:42	S. Roberts 82

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: EQUIPMENT BLANK

Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	11:42	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	11:42	S. Roberts 82

1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	11:42	S. Roberts 82
METALS							
Lead	ND	ug/L	5.0	1.0	12/18/03	8:03	C.Johnson 60

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	12/17/03		K. Turner	3510C
Fla Pro	1000 ml	2.0 ml	12/17/03		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	108.	82. - 142.
TPH Surr, C-35	65.	42. - 193.
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	96.	71. - 132.
VOA Surr, DBFM	95.	74. - 128.
BNA Surr-Nitrobenzene-d5	76.	34. - 107.
BNA Surr-2-Fluorobiphenyl	64.	40. - 96.
BNA Surr-Terphenyl-d14	76.	26. - 106.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195591
Sample ID: Trip Blank
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected:
Date Received: 12/16/03
Time Received: 8:15

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	
VOLATILE ORGANICS								
Benzene	ND	ug/L	1.0	1.0	12/21/03	12:14	S. Roberts	82
Toluene	ND	ug/L	1.0	1.0	12/21/03	12:14	S. Roberts	82
Ethylbenzene	ND	ug/L	1.0	1.0	12/21/03	12:14	S. Roberts	82
Xylenes (Total)	ND	ug/L	1.0	1.0	12/21/03	12:14	S. Roberts	82
1,2-Dibromoethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Naphthalene	ND	ug/L	5.00	1.0	12/21/03	12:14	S. Roberts	82
Acetone	ND	ug/L	250.	1.0	12/21/03	12:14	S. Roberts	82
Bromobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Bromochloromethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Bromoform	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Bromomethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
2-Butanone	ND	ug/L	25.0	1.0	12/21/03	12:14	S. Roberts	82
n-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
sec-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
tert-Butylbenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Carbon disulfide	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Carbon tetrachloride	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Chlorobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Chloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Chloroform	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Chloromethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
2-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
4-Chlorotoluene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	1.0	12/21/03	12:14	S. Roberts	82
Dibromochloromethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Dibromomethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,2-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,3-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,4-Dichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
Dichlorodifluoromethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,1-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,2-Dichloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
1,1-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
cis-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82
trans-1,2-Dichloroethene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts	82

1,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,3-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
2,2-Dichloropropane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,1-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
cis-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
trans-1,3-Dichloropropene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Hexachlorobutadiene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
2-Hexanone	ND	ug/L	5.00	1.0	12/21/03	12:14	S. Roberts 82
Isopropylbenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
p-Isopropyltoluene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
4-Methyl-2-pentanone	ND	ug/L	5.00	1.0	12/21/03	12:14	S. Roberts 82
Methylene chloride	ND	ug/L	2.50	1.0	12/21/03	12:14	S. Roberts 82
n-Propylbenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Styrene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Tetrachloroethene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,2,3-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,2,4-Trichlorobenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,1,1-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,1,2-Trichloroethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Trichloroethene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,2,3-Trichloropropane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0	12/21/03	12:14	S. Roberts 82
1,3,5-Trimethylbenzene	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Vinyl chloride	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Bromodichloromethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82
Trichlorofluoromethane	ND	ug/L	1.00	1.0	12/21/03	12:14	S. Roberts 82

Surrogate	% Recovery	Target Range

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A195
Sample ID: Trip Blank

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Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	90.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	98.	71. - 132.
VOA Surr, DBFM	94.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

PROJECT QUALITY CONTROL DATA
Project Number: 04-41001
Project Name: 103rd STREET & "A" AVENU
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Laboratory Receipt Date: 12/16/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined ana
MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range
UST ANALYSIS						
TRPH	mg/l	< 0.100	0.321	0.430	75	44. - 101.
VOA PARAMETERS						
Benzene	mg/l	< 0.0010	0.0533	0.0500	107	68 - 136
Benzene	mg/l	< 0.0010	0.0537	0.0500	107	68 - 136
Benzene	mg/l	< 0.0005	0.0475	0.0500	95	68 - 136
Chlorobenzene	mg/l	< 0.00100	0.0596	0.0500	119	78 - 125
Chlorobenzene	mg/l	< 0.00100	0.0588	0.0500	118	78 - 125
Chlorobenzene	mg/l	< 0.00020	0.0466	0.0500	93	78 - 125
1,1-Dichloroethene	mg/l	< 0.00100	0.0471	0.0500	94	67 - 141
1,1-Dichloroethene	mg/l	< 0.00100	0.0479	0.0500	96	67 - 141
1,1-Dichloroethene	mg/l	< 0.00060	0.0416	0.0500	83	67 - 141
Toluene	mg/l	< 0.0010	0.0548	0.0500	110	73 - 133
Toluene	mg/l	< 0.0010	0.0540	0.0500	108	73 - 133
Toluene	mg/l	< 0.0006	0.0472	0.0500	94	73 - 133
Trichloroethene	mg/l	< 0.00100	0.0538	0.0500	108	69 - 141
Trichloroethene	mg/l	< 0.00100	0.0539	0.0500	108	69 - 141

Trichloroethene	mg/l	< 0.00040	0.0492	0.0500	98	69 - 141
Tetrachloroethene	mg/l	< 0.00100	0.0561	0.0500	112	71 - 134
Tetrachloroethene	mg/l	< 0.00100	0.0554	0.0500	111	71 - 134
Tetrachloroethene	mg/l	0.00040	0.0520	0.0500	103	71 - 134
VOA Surr 1,2-DCA-d4	% Rec				88	70 - 133
VOA Surr 1,2-DCA-d4	% Rec				92	70 - 133
VOA Surr 1,2-DCA-d4	% Rec				84	70 - 133
VOA Surr Toluene-d8	% Rec				99	76 - 123
VOA Surr Toluene-d8	% Rec				97	76 - 123
VOA Surr Toluene-d8	% Rec				97	76 - 123
VOA Surr, 4-BFB	% Rec				91	71 - 132
VOA Surr, 4-BFB	% Rec				93	71 - 132
VOA Surr, 4-BFB	% Rec				94	71 - 132
VOA Surr, DBFM	% Rec				97	74 - 128
VOA Surr, DBFM	% Rec				98	74 - 128
VOA Surr, DBFM	% Rec				94	74 - 128
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	< 0.00010	0.00070	0.00100	70	28 - 106
Pyrene	mg/l	< 0.00010	0.00093	0.00100	93	35 - 118
BNA Surr-Nitrobenzene-d5	% Rec				82	34 - 107
BNA Surr-2-Fluorobiphenyl	% Rec				62	40 - 96
BNA Surr-Terphenyl-d14	% Rec				98	26 - 106
METALS						
Lead	mg/l	< 0.0050	0.0500	0.0500	100	80 - 120

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TRPH	mg/l	0.321	0.386	18.39	41.	1022
VOA PARAMETERS						
Benzene	mg/l	0.0533	0.0583	8.96	22.	2509
Benzene	mg/l	0.0537	0.0514	4.38	22.	2512
Benzene	mg/l	0.0475	0.0543	13.36	22.	4809
Chlorobenzene	mg/l	0.0596	0.0651	8.82	17.	2509
Chlorobenzene	mg/l	0.0588	0.0577	1.89	17.	2512
Chlorobenzene	mg/l	0.0466	0.0534	13.60	17.	4809
1,1-Dichloroethene	mg/l	0.0471	0.0502	6.37	21.	2509
1,1-Dichloroethene	mg/l	0.0479	0.0454	5.36	21.	2512
1,1-Dichloroethene	mg/l	0.0416	0.0482	14.70	21.	4809
Toluene	mg/l	0.0548	0.0592	7.72	22.	2509
Toluene	mg/l	0.0540	0.0532	1.49	22.	2512
Toluene	mg/l	0.0472	0.0539	13.25	22.	4809
Trichloroethene	mg/l	0.0538	0.0584	8.20	22.	2509
Trichloroethene	mg/l	0.0539	0.0522	3.20	22.	2512
Trichloroethene	mg/l	0.0492	0.0557	12.39	22.	4809
Tetrachloroethene	mg/l	0.0561	0.0603	7.22	19.	2509
Tetrachloroethene	mg/l	0.0554	0.0545	1.64	19.	2512
Tetrachloroethene	mg/l	0.0520	0.0589	12.44	19.	4809

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
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VOA Surr 1,2-DCA-d4	% Rec		88.			2509
VOA Surr 1,2-DCA-d4	% Rec		90.			2512
VOA Surr 1,2-DCA-d4	% Rec		85.			4809
VOA Surr Toluene-d8	% Rec		97.			2509
VOA Surr Toluene-d8	% Rec		98.			2512
VOA Surr Toluene-d8	% Rec		97.			4809
VOA Surr, 4-BFB	% Rec		93.			2509
VOA Surr, 4-BFB	% Rec		93.			2512
VOA Surr, 4-BFB	% Rec		95.			4809
VOA Surr, DBFM	% Rec		96.			2509
VOA Surr, DBFM	% Rec		97.			2512
VOA Surr, DBFM	% Rec		95.			4809
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00070	0.00060	15.38	33.	814
Pyrene	mg/l	0.00093	0.00081	13.79	32.	814
BNA Surr-Nitrobenzene-d5	% Rec		72.			814
BNA Surr-2-Fluorobiphenyl	% Rec		49.			814
BNA Surr-Terphenyl-d14	% Rec		65.			814
METALS						
Lead	mg/l	0.0500	0.0500	0.00	20	6648

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Ba
UST PARAMETERS						
TRPH	mg/l	0.430	0.379	88	55 - 118	1022
VOA PARAMETERS						
Acetone	mg/l	0.250	0.192	77	52 - 151	2509
Acetone	mg/l	0.250	0.198	79	52 - 151	2512
Acetone	mg/l	0.250	0.201	80	52 - 151	4809
Benzene	mg/l	0.0500	0.0502	100	78 - 125	2509
Benzene	mg/l	0.0500	0.0509	102	78 - 125	2512
Benzene	mg/l	0.0500	0.0515	103	78 - 125	4809
Bromobenzene	mg/l	0.0500	0.0482	96	75 - 127	2509
Bromobenzene	mg/l	0.0500	0.0487	97	75 - 127	2512
Bromobenzene	mg/l	0.0500	0.0489	98	75 - 127	4809
Bromochloromethane	mg/l	0.0500	0.0519	104	72 - 136	2509
Bromochloromethane	mg/l	0.0500	0.0528	106	72 - 136	2512
Bromochloromethane	mg/l	0.0500	0.0535	107	72 - 136	4809
Bromoform	mg/l	0.0500	0.0422	84	63 - 130	2509
Bromoform	mg/l	0.0500	0.0404	81	63 - 130	2512
Bromoform	mg/l	0.0500	0.0359	72	63 - 130	4809
Bromomethane	mg/l	0.0500	0.0552	110	46 - 156	2509
Bromomethane	mg/l	0.0500	0.0547	109	46 - 156	2512
Bromomethane	mg/l	0.0500	0.0524	105	46 - 156	4809
2-Butanone	mg/l	0.250	0.244	98	67 - 143	2509
2-Butanone	mg/l	0.250	0.248	99	67 - 143	2512
2-Butanone	mg/l	0.250	0.243	97	67 - 143	4809
n-Butylbenzene	mg/l	0.0500	0.0528	106	65 - 132	2509
n-Butylbenzene	mg/l	0.0500	0.0515	103	65 - 132	2512
n-Butylbenzene	mg/l	0.0500	0.0525	105	65 - 132	4809
sec-Butylbenzene	mg/l	0.0500	0.0521	104	72 - 129	2509
sec-Butylbenzene	mg/l	0.0500	0.0521	104	72 - 129	2512
sec-Butylbenzene	mg/l	0.0500	0.0532	106	72 - 129	4809
tert-Butylbenzene	mg/l	0.0500	0.0516	103	43 - 128	2509
tert-Butylbenzene	mg/l	0.0500	0.0518	104	43 - 128	2512
tert-Butylbenzene	mg/l	0.0500	0.0520	104	43 - 128	4809
Carbon disulfide	mg/l	0.0500	0.0468	94	68 - 139	2509
Carbon disulfide	mg/l	0.0500	0.0471	94	68 - 139	2512
Carbon disulfide	mg/l	0.0500	0.0579	116	68 - 139	4809

Carbon tetrachloride	mg/l	0.0500	0.0458	92	62 - 140	2509
Carbon tetrachloride	mg/l	0.0500	0.0466	93	62 - 140	2512
Carbon tetrachloride	mg/l	0.0500	0.0355	71	62 - 140	4809
Chlorobenzene	mg/l	0.0500	0.0502	100	82 - 120	2509
Chlorobenzene	mg/l	0.0500	0.0514	103	82 - 120	2512
Chlorobenzene	mg/l	0.0500	0.0507	101	82 - 120	4809
Chloroethane	mg/l	0.0500	0.0446	89	61 - 142	2509
Chloroethane	mg/l	0.0500	0.0466	93	61 - 142	2512
Chloroethane	mg/l	0.0500	0.0472	94	61 - 142	4809
Chloroform	mg/l	0.0500	0.0489	98	75 - 129	2509
Chloroform	mg/l	0.0500	0.0495	99	75 - 129	2512
Chloroform	mg/l	0.0500	0.0500	100	75 - 129	4809
Chloromethane	mg/l	0.0500	0.0357	71	46 - 147	2509
Chloromethane	mg/l	0.0500	0.0372	74	46 - 147	2512
Chloromethane	mg/l	0.0500	0.0363	73	46 - 147	4809

Project QC continued . . .

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Project Name: 103rd STREET & "A" AVENU
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Bat
2-Chlorotoluene	mg/l	0.0500	0.0480	96	76 - 126	2509
2-Chlorotoluene	mg/l	0.0500	0.0483	97	76 - 126	2512
2-Chlorotoluene	mg/l	0.0500	0.0464	93	76 - 126	4809
4-Chlorotoluene	mg/l	0.0500	0.0495	99	77 - 125	2509
4-Chlorotoluene	mg/l	0.0500	0.0499	100	77 - 125	2512
4-Chlorotoluene	mg/l	0.0500	0.0503	101	77 - 125	4809
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0453	91	64 - 132	2509
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0447	89	64 - 132	2512
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0440	88	64 - 132	4809
Dibromochloromethane	mg/l	0.0500	0.0447	89	74 - 132	2509
Dibromochloromethane	mg/l	0.0500	0.0444	89	74 - 132	2512
Dibromochloromethane	mg/l	0.0500	0.0398	80	74 - 132	4809
1,2-Dibromoethane	mg/l	0.0500	0.0484	97	77 - 128	2509
1,2-Dibromoethane	mg/l	0.0500	0.0472	94	77 - 128	2512
1,2-Dibromoethane	mg/l	0.0500	0.0480	96	77 - 128	4809
Dibromomethane	mg/l	0.0500	0.0494	99	74 - 133	2509
Dibromomethane	mg/l	0.0500	0.0492	98	74 - 133	2512
Dibromomethane	mg/l	0.0500	0.0507	101	74 - 133	4809
1,2-Dichlorobenzene	mg/l	0.0500	0.0502	100	77 - 129	2509

1,2-Dichlorobenzene	mg/l	0.0500	0.0511	102		77 - 129	2512
1,2-Dichlorobenzene	mg/l	0.0500	0.0509	102		77 - 129	4809
1,3-Dichlorobenzene	mg/l	0.0500	0.0511	102		79 - 125	2509
1,3-Dichlorobenzene	mg/l	0.0500	0.0515	103		79 - 125	2512
1,3-Dichlorobenzene	mg/l	0.0500	0.0519	104		79 - 125	4809
1,4-Dichlorobenzene	mg/l	0.0500	0.0490	98		78 - 121	2509
1,4-Dichlorobenzene	mg/l	0.0500	0.0494	99		78 - 121	2512
1,4-Dichlorobenzene	mg/l	0.0500	0.0494	99		78 - 121	4809
Dichlorodifluoromethane	mg/l	0.0500	0.0385	77		45 - 149	2509
Dichlorodifluoromethane	mg/l	0.0500	0.0387	77		45 - 149	2512
Dichlorodifluoromethane	mg/l	0.0500	0.0460	92		45 - 149	4809
1,1-Dichloroethane	mg/l	0.0500	0.0424	85		75 - 129	2509
1,1-Dichloroethane	mg/l	0.0500	0.0466	93		75 - 129	2512
1,1-Dichloroethane	mg/l	0.0500	0.0436	87		75 - 129	4809
1,2-Dichloroethane	mg/l	0.0500	0.0460	92		69 - 135	2509
1,2-Dichloroethane	mg/l	0.0500	0.0474	95		69 - 135	2512
1,2-Dichloroethane	mg/l	0.0500	0.0465	93		69 - 135	4809
1,1-Dichloroethene	mg/l	0.0500	0.0428	86		73 - 132	2509
1,1-Dichloroethene	mg/l	0.0500	0.0444	89		73 - 132	2512
1,1-Dichloroethene	mg/l	0.0500	0.0462	92		73 - 132	4809
cis-1,2-Dichloroethene	mg/l	0.0500	0.0483	97		72 - 132	2509
cis-1,2-Dichloroethene	mg/l	0.0500	0.0486	97		72 - 132	2512
cis-1,2-Dichloroethene	mg/l	0.0500	0.0490	98		72 - 132	4809
trans-1,2-Dichloroethene	mg/l	0.0500	0.0428	86		71 - 134	2509
trans-1,2-Dichloroethene	mg/l	0.0500	0.0440	88		71 - 134	2512
trans-1,2-Dichloroethene	mg/l	0.0500	0.0445	89		71 - 134	4809
1,2-Dichloropropane	mg/l	0.0500	0.0499	100		81 - 126	2509
1,2-Dichloropropane	mg/l	0.0500	0.0507	101		81 - 126	2512
1,2-Dichloropropane	mg/l	0.0500	0.0522	104		81 - 126	4809
1,3-Dichloropropane	mg/l	0.0500	0.0483	97		83 - 127	2509
1,3-Dichloropropane	mg/l	0.0500	0.0496	99		83 - 127	2512
1,3-Dichloropropane	mg/l	0.0500	0.0488	98		83 - 127	4809
2,2-Dichloropropane	mg/l	0.0500	0.0499	100		39 - 151	2509
2,2-Dichloropropane	mg/l	0.0500	0.0439	88		39 - 151	2512
2,2-Dichloropropane	mg/l	0.0500	0.0463	93		39 - 151	4809
1,1-Dichloropropene	mg/l	0.0500	0.0524	105		77 - 128	2509
1,1-Dichloropropene	mg/l	0.0500	0.0522	104		77 - 128	2512
1,1-Dichloropropene	mg/l	0.0500	0.0526	105		77 - 128	4809
cis-1,3-Dichloropropene	mg/l	0.0500	0.0443	89		71 - 133	2509
cis-1,3-Dichloropropene	mg/l	0.0500	0.0436	87		71 - 133	2512
cis-1,3-Dichloropropene	mg/l	0.0500	0.0370	74		71 - 133	4809
trans-1,3-Dichloropropene	mg/l	0.0500	0.0418	84		69 - 131	2509
trans-1,3-Dichloropropene	mg/l	0.0500	0.0408	82		69 - 131	2512
trans-1,3-Dichloropropene	mg/l	0.0500	0.0330	66	#	69 - 131	4809
Ethylbenzene	mg/l	0.0500	0.0512	102		79 - 125	2509
Ethylbenzene	mg/l	0.0500	0.0517	103		79 - 125	2512
Ethylbenzene	mg/l	0.0500	0.0515	103		79 - 125	4809
Hexachlorobutadiene	mg/l	0.0500	0.0549	110		60 - 134	2509
Hexachlorobutadiene	mg/l	0.0500	0.0528	106		60 - 134	2512
Hexachlorobutadiene	mg/l	0.0500	0.0527	105		60 - 134	4809
2-Hexanone	mg/l	0.250	0.209	84		68 - 145	2509
2-Hexanone	mg/l	0.250	0.211	84		68 - 145	2512
2-Hexanone	mg/l	0.250	0.209	84		68 - 145	4809
Isopropylbenzene	mg/l	0.0500	0.0453	91		75 - 128	2509
Isopropylbenzene	mg/l	0.0500	0.0460	92		75 - 128	2512

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 04-41001
Project Name: 103rd STREET & "A" AVENU
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Laboratory Receipt Date: 12/16/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Bat
Isopropylbenzene	mg/l	0.0500	0.0458	92	75 - 128	4809
p-Isopropyltoluene	mg/l	0.0500	0.0450	90	73 - 128	2509
p-Isopropyltoluene	mg/l	0.0500	0.0442	88	73 - 128	2512
p-Isopropyltoluene	mg/l	0.0500	0.0445	89	73 - 128	4809
4-Methyl-2-pentanone	mg/l	0.250	0.238	95	71 - 143	2509
4-Methyl-2-pentanone	mg/l	0.250	0.239	96	71 - 143	2512
4-Methyl-2-pentanone	mg/l	0.250	0.244	98	71 - 143	4809
Methylene chloride	mg/l	0.0500	0.0435	87	74 - 131	2509
Methylene chloride	mg/l	0.0500	0.0447	89	74 - 131	2512
Methylene chloride	mg/l	0.0500	0.0476	95	74 - 131	4809
Naphthalene	mg/l	0.0500	0.0507	101	62 - 142	2509
Naphthalene	mg/l	0.0500	0.0515	103	62 - 142	2512
Naphthalene	mg/l	0.0500	0.0470	94	62 - 142	4809
n-Propylbenzene	mg/l	0.0500	0.0520	104	73 - 128	2509
n-Propylbenzene	mg/l	0.0500	0.0522	104	73 - 128	2512
n-Propylbenzene	mg/l	0.0500	0.0532	106	73 - 128	4809
Styrene	mg/l	0.0500	0.0445	89	80 - 126	2509
Styrene	mg/l	0.0500	0.0448	90	80 - 126	2512
Styrene	mg/l	0.0500	0.0451	90	80 - 126	4809
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0463	93	78 - 132	2509
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0470	94	78 - 132	2512
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0388	78 #	78 - 132	4809
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0466	93	70 - 135	2509
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0474	95	70 - 135	2512
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0486	97	70 - 135	4809
Tetrachloroethene	mg/l	0.0500	0.0531	106	74 - 128	2509
Tetrachloroethene	mg/l	0.0500	0.0527	105	74 - 128	2512
Tetrachloroethene	mg/l	0.0500	0.0537	107	74 - 128	4809
Toluene	mg/l	0.0500	0.0504	101	79 - 125	2509
Toluene	mg/l	0.0500	0.0514	103	79 - 125	2512
Toluene	mg/l	0.0500	0.0511	102	79 - 125	4809
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0513	103	69 - 136	2509
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0516	103	69 - 136	2512
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0435	87	69 - 136	4809
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0516	103	69 - 131	2509
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0510	102	69 - 131	2512
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0489	98	69 - 131	4809
1,1,1-Trichloroethane	mg/l	0.0500	0.0510	102	72 - 132	2509
1,1,1-Trichloroethane	mg/l	0.0500	0.0513	103	72 - 132	2512
1,1,1-Trichloroethane	mg/l	0.0500	0.0506	101	72 - 132	4809
1,1,2-Trichloroethane	mg/l	0.0500	0.0445	89	80 - 133	2509
1,1,2-Trichloroethane	mg/l	0.0500	0.0448	90	80 - 133	2512
1,1,2-Trichloroethane	mg/l	0.0500	0.0443	89	80 - 133	4809
Trichloroethene	mg/l	0.0500	0.0511	102	74 - 133	2509
Trichloroethene	mg/l	0.0500	0.0513	103	74 - 133	2512
Trichloroethene	mg/l	0.0500	0.0522	104	74 - 133	4809
1,2,3-Trichloropropane	mg/l	0.0500	0.0436	87	69 - 136	2509
1,2,3-Trichloropropane	mg/l	0.0500	0.0447	89	69 - 136	2512
1,2,3-Trichloropropane	mg/l	0.0500	0.0443	89	69 - 136	4809
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0511	102	73 - 130	2509
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0510	102	73 - 130	2512
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0516	103	73 - 130	4809
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0511	102	73 - 130	2509
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0510	102	73 - 130	2512
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0514	103	73 - 130	4809
Vinyl chloride	mg/l	0.0500	0.0437	87	63 - 140	2509
Vinyl chloride	mg/l	0.0500	0.0443	89	63 - 140	2512

Vinyl chloride	mg/l	0.0500	0.0475	95	63 - 140	4809
Xylenes (Total)	mg/l	0.150	0.148	99	78 - 127	2509
Xylenes (Total)	mg/l	0.150	0.150	100	78 - 127	2512
Xylenes (Total)	mg/l	0.150	0.149	99	78 - 127	4809
Bromodichloromethane	mg/l	0.0500	0.0453	91	77 - 132	2509
Bromodichloromethane	mg/l	0.0500	0.0457	91	77 - 132	2512
Bromodichloromethane	mg/l	0.0500	0.0450	90	77 - 132	4809
Trichlorofluoromethane	mg/l	0.0500	0.0442	88	59 - 142	2509
Trichlorofluoromethane	mg/l	0.0500	0.0451	90	59 - 142	2512
Trichlorofluoromethane	mg/l	0.0500	0.0456	91	59 - 142	4809
VOA Surr 1,2-DCA-d4	% Rec			87	70 - 133	2509
VOA Surr 1,2-DCA-d4	% Rec			88	70 - 133	2512
VOA Surr 1,2-DCA-d4	% Rec			87	70 - 133	4809
VOA Surr Toluene-d8	% Rec			98	76 - 123	2509
VOA Surr Toluene-d8	% Rec			99	76 - 123	2512
VOA Surr Toluene-d8	% Rec			97	76 - 123	4809
VOA Surr, 4-BFB	% Rec			94	71 - 132	2509

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 04-41001
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Bat
VOA Surr, 4-BFB	% Rec			95	71 - 132	2512
VOA Surr, 4-BFB	% Rec			95	71 - 132	4809
VOA Surr, DBFM	% Rec			98	74 - 128	2509
VOA Surr, DBFM	% Rec			98	74 - 128	2512
VOA Surr, DBFM	% Rec			97	74 - 128	4809
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00100	0.00070	70	28 - 106	814
Acenaphthylene	mg/l	0.00100	0.00080	80	26 - 106	814
Anthracene	mg/l	0.00100	0.00087	87	30 - 116	814
Benzo(a)anthracene	mg/l	0.00100	0.00105	105	38 - 128	814
Benzo(a)pyrene	mg/l	0.00100	0.00092	92	34 - 117	814
Benzo(b)fluoranthene	mg/l	0.00100	0.00088	88	37 - 132	814
Benzo(g,h,i)perylene	mg/l	0.00100	0.00083	83	28 - 122	814
Benzo(k)fluoranthene	mg/l	0.00100	0.00077	77	35 - 128	814
Chrysene	mg/l	0.00100	0.00067	67	42 - 126	814
Dibenz(a,h)anthracene	mg/l	0.00100	0.00073	73	35 - 124	814
Fluoranthene	mg/l	0.00100	0.00088	88	35 - 125	814

Fluorene	mg/l	0.00100	0.00078	78	30 - 112	814
Indeno(1,2,3-cd)pyrene	mg/l	0.00100	0.00085	85	34 - 121	814
2-Methylnaphthalene	mg/l	0.00100	0.00061	61	31 - 108	814
Naphthalene	mg/l	0.00100	0.00060	60	9 - 120	814
Phenanthrene	mg/l	0.00100	0.00075	75	34 - 116	814
Pyrene	mg/l	0.00100	0.00086	86	35 - 118	814
1-Methylnaphthalene	mg/l	0.00100	0.00063	63	31 - 112	814
BNA Surr-Nitrobenzene-d5	% Rec			78	34 - 107	814
BNA Surr-2-Fluorobiphenyl	% Rec			67	40 - 96	814
BNA Surr-Terphenyl-d14	% Rec			71	26 - 106	814
METALS						
Lead	mg/l	0.0500	0.0480	96	80 - 120	6648

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Du

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TRPH	< 0.100	mg/l	1022	12/20/03	21:16
TPH Surr., O-Terphenyl	115.	% Recovery	1022	12/20/03	21:16
TPH Surr, C-35	77.	% Recovery	1022	12/20/03	21:16
VOA PARAMETERS					
Acetone	< 0.00470	mg/l	2509	12/20/03	19:53
Acetone	< 0.00470	mg/l	2512	12/21/03	8:01
Acetone	< 0.00470	mg/l	4809	12/23/03	22:15
Benzene	< 0.0005	mg/l	2509	12/20/03	19:53
Benzene	< 0.0005	mg/l	2512	12/21/03	8:01
Benzene	< 0.0005	mg/l	4809	12/23/03	22:15
Bromobenzene	< 0.00030	mg/l	2509	12/20/03	19:53
Bromobenzene	< 0.00030	mg/l	2512	12/21/03	8:01
Bromobenzene	< 0.00030	mg/l	4809	12/23/03	22:15
Bromochloromethane	< 0.00030	mg/l	2509	12/20/03	19:53
Bromochloromethane	< 0.00030	mg/l	2512	12/21/03	8:01
Bromochloromethane	< 0.00030	mg/l	4809	12/23/03	22:15
Bromoform	< 0.00060	mg/l	2509	12/20/03	19:53
Bromoform	< 0.00060	mg/l	2512	12/21/03	8:01
Bromoform	< 0.00060	mg/l	4809	12/23/03	22:15
Bromomethane	< 0.00060	mg/l	2509	12/20/03	19:53
Bromomethane	< 0.00060	mg/l	2512	12/21/03	8:01
Bromomethane	< 0.00060	mg/l	4809	12/23/03	22:15
2-Butanone	< 0.00310	mg/l	2509	12/20/03	19:53
2-Butanone	< 0.00310	mg/l	2512	12/21/03	8:01
2-Butanone	< 0.00310	mg/l	4809	12/23/03	22:15
n-Butylbenzene	< 0.00010	mg/l	2509	12/20/03	19:53
n-Butylbenzene	< 0.00010	mg/l	2512	12/21/03	8:01
n-Butylbenzene	< 0.00010	mg/l	4809	12/23/03	22:15

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 04-41001
Project Name: 103rd STREET & "A" AVENU
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Laboratory Receipt Date: 12/16/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
sec-Butylbenzene	< 0.00030	mg/l	2509	12/20/03	19:53
sec-Butylbenzene	< 0.00030	mg/l	2512	12/21/03	8:01
sec-Butylbenzene	< 0.00030	mg/l	4809	12/23/03	22:15
tert-Butylbenzene	< 0.00030	mg/l	2509	12/20/03	19:53
tert-Butylbenzene	< 0.00030	mg/l	2512	12/21/03	8:01
tert-Butylbenzene	< 0.00030	mg/l	4809	12/23/03	22:15
Carbon disulfide	< 0.00020	mg/l	2509	12/20/03	19:53
Carbon disulfide	< 0.00020	mg/l	2512	12/21/03	8:01
Carbon disulfide	< 0.00020	mg/l	4809	12/23/03	22:15
Carbon tetrachloride	< 0.00040	mg/l	2509	12/20/03	19:53
Carbon tetrachloride	< 0.00040	mg/l	2512	12/21/03	8:01
Carbon tetrachloride	< 0.00040	mg/l	4809	12/23/03	22:15
Chlorobenzene	< 0.00020	mg/l	2509	12/20/03	19:53
Chlorobenzene	< 0.00020	mg/l	2512	12/21/03	8:01
Chlorobenzene	< 0.00020	mg/l	4809	12/23/03	22:15
Chloroethane	< 0.00100	mg/l	2509	12/20/03	19:53
Chloroethane	< 0.00100	mg/l	2512	12/21/03	8:01
Chloroethane	< 0.00100	mg/l	4809	12/23/03	22:15
Chloroform	< 0.00080	mg/l	2509	12/20/03	19:53
Chloroform	< 0.00080	mg/l	2512	12/21/03	8:01
Chloroform	< 0.00080	mg/l	4809	12/23/03	22:15
Chloromethane	< 0.00070	mg/l	2509	12/20/03	19:53
Chloromethane	< 0.00070	mg/l	2512	12/21/03	8:01
Chloromethane	< 0.00070	mg/l	4809	12/23/03	22:15
2-Chlorotoluene	< 0.00040	mg/l	2509	12/20/03	19:53
2-Chlorotoluene	< 0.00040	mg/l	2512	12/21/03	8:01
2-Chlorotoluene	< 0.00040	mg/l	4809	12/23/03	22:15
4-Chlorotoluene	< 0.00050	mg/l	2509	12/20/03	19:53
4-Chlorotoluene	< 0.00050	mg/l	2512	12/21/03	8:01
4-Chlorotoluene	< 0.00050	mg/l	4809	12/23/03	22:15
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	2509	12/20/03	19:53
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	2512	12/21/03	8:01
1,2-Dibromo-3-chloropropane	< 0.00070	mg/l	4809	12/23/03	22:15
Dibromochloromethane	< 0.00050	mg/l	2509	12/20/03	19:53
Dibromochloromethane	< 0.00050	mg/l	2512	12/21/03	8:01
Dibromochloromethane	< 0.00050	mg/l	4809	12/23/03	22:15
1,2-Dibromoethane	< 0.00040	mg/l	2509	12/20/03	19:53
1,2-Dibromoethane	< 0.00040	mg/l	2512	12/21/03	8:01
1,2-Dibromoethane	< 0.00040	mg/l	4809	12/23/03	22:15
Dibromomethane	< 0.00090	mg/l	2509	12/20/03	19:53
Dibromomethane	< 0.00090	mg/l	2512	12/21/03	8:01
Dibromomethane	< 0.00090	mg/l	4809	12/23/03	22:15
1,2-Dichlorobenzene	< 0.00020	mg/l	2509	12/20/03	19:53
1,2-Dichlorobenzene	< 0.00020	mg/l	2512	12/21/03	8:01
1,2-Dichlorobenzene	< 0.00020	mg/l	4809	12/23/03	22:15
1,3-Dichlorobenzene	< 0.00030	mg/l	2509	12/20/03	19:53
1,3-Dichlorobenzene	< 0.00030	mg/l	2512	12/21/03	8:01
1,3-Dichlorobenzene	< 0.00030	mg/l	4809	12/23/03	22:15
1,4-Dichlorobenzene	< 0.00040	mg/l	2509	12/20/03	19:53
1,4-Dichlorobenzene	< 0.00040	mg/l	2512	12/21/03	8:01
1,4-Dichlorobenzene	< 0.00040	mg/l	4809	12/23/03	22:15
Dichlorodifluoromethane	< 0.00050	mg/l	2509	12/20/03	19:53
Dichlorodifluoromethane	< 0.00050	mg/l	2512	12/21/03	8:01
Dichlorodifluoromethane	< 0.00050	mg/l	4809	12/23/03	22:15
1,1-Dichloroethane	< 0.00020	mg/l	2509	12/20/03	19:53

1,1-Dichloroethane	< 0.00020	mg/l	2512	12/21/03	8:01
1,1-Dichloroethane	< 0.00020	mg/l	4809	12/23/03	22:15
1,2-Dichloroethane	< 0.00060	mg/l	2509	12/20/03	19:53
1,2-Dichloroethane	< 0.00060	mg/l	2512	12/21/03	8:01
1,2-Dichloroethane	< 0.00060	mg/l	4809	12/23/03	22:15
1,1-Dichloroethene	< 0.00060	mg/l	2509	12/20/03	19:53
1,1-Dichloroethene	< 0.00060	mg/l	2512	12/21/03	8:01
1,1-Dichloroethene	< 0.00060	mg/l	4809	12/23/03	22:15
cis-1,2-Dichloroethene	< 0.00060	mg/l	2509	12/20/03	19:53
cis-1,2-Dichloroethene	< 0.00060	mg/l	2512	12/21/03	8:01
cis-1,2-Dichloroethene	< 0.00060	mg/l	4809	12/23/03	22:15
trans-1,2-Dichloroethene	< 0.00050	mg/l	2509	12/20/03	19:53
trans-1,2-Dichloroethene	< 0.00050	mg/l	2512	12/21/03	8:01
trans-1,2-Dichloroethene	< 0.00050	mg/l	4809	12/23/03	22:15
1,2-Dichloropropane	< 0.00040	mg/l	2509	12/20/03	19:53
1,2-Dichloropropane	< 0.00040	mg/l	2512	12/21/03	8:01
1,2-Dichloropropane	< 0.00040	mg/l	4809	12/23/03	22:15
1,3-Dichloropropane	< 0.00040	mg/l	2509	12/20/03	19:53
1,3-Dichloropropane	< 0.00040	mg/l	2512	12/21/03	8:01

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 04-41001
Project Name: 103rd STREET & "A" AVENU
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,3-Dichloropropane	< 0.00040	mg/l	4809	12/23/03	22:15
2,2-Dichloropropane	< 0.00040	mg/l	2509	12/20/03	19:53
2,2-Dichloropropane	< 0.00040	mg/l	2512	12/21/03	8:01
2,2-Dichloropropane	< 0.00040	mg/l	4809	12/23/03	22:15
1,1-Dichloropropene	< 0.00050	mg/l	2509	12/20/03	19:53
1,1-Dichloropropene	< 0.00050	mg/l	2512	12/21/03	8:01
1,1-Dichloropropene	< 0.00050	mg/l	4809	12/23/03	22:15
cis-1,3-Dichloropropene	< 0.00030	mg/l	2509	12/20/03	19:53
cis-1,3-Dichloropropene	< 0.00030	mg/l	2512	12/21/03	8:01
cis-1,3-Dichloropropene	< 0.00030	mg/l	4809	12/23/03	22:15
trans-1,3-Dichloropropene	< 0.00050	mg/l	2509	12/20/03	19:53
trans-1,3-Dichloropropene	< 0.00050	mg/l	2512	12/21/03	8:01
trans-1,3-Dichloropropene	< 0.00050	mg/l	4809	12/23/03	22:15
Ethylbenzene	< 0.0003	mg/l	2509	12/20/03	19:53
Ethylbenzene	< 0.0003	mg/l	2512	12/21/03	8:01

Ethylbenzene	< 0.0003	mg/l	4809	12/23/03	22:15
Hexachlorobutadiene	< 0.00080	mg/l	2509	12/20/03	19:53
Hexachlorobutadiene	< 0.00080	mg/l	2512	12/21/03	8:01
Hexachlorobutadiene	< 0.00080	mg/l	4809	12/23/03	22:15
2-Hexanone	< 0.00420	mg/l	2509	12/20/03	19:53
2-Hexanone	< 0.00420	mg/l	2512	12/21/03	8:01
2-Hexanone	< 0.00420	mg/l	4809	12/23/03	22:15
Isopropylbenzene	< 0.00040	mg/l	2509	12/20/03	19:53
Isopropylbenzene	< 0.00040	mg/l	2512	12/21/03	8:01
Isopropylbenzene	< 0.00040	mg/l	4809	12/23/03	22:15
p-Isopropyltoluene	< 0.00060	mg/l	2509	12/20/03	19:53
p-Isopropyltoluene	< 0.00060	mg/l	2512	12/21/03	8:01
p-Isopropyltoluene	< 0.00060	mg/l	4809	12/23/03	22:15
4-Methyl-2-pentanone	< 0.00490	mg/l	2509	12/20/03	19:53
4-Methyl-2-pentanone	< 0.00490	mg/l	2512	12/21/03	8:01
4-Methyl-2-pentanone	< 0.00490	mg/l	4809	12/23/03	22:15
Methylene chloride	< 0.00240	mg/l	2509	12/20/03	19:53
Methylene chloride	< 0.00240	mg/l	2512	12/21/03	8:01
Methylene chloride	< 0.00240	mg/l	4809	12/23/03	22:15
Naphthalene	< 0.00120	mg/l	2509	12/20/03	19:53
Naphthalene	< 0.00120	mg/l	2512	12/21/03	8:01
Naphthalene	< 0.00120	mg/l	4809	12/23/03	22:15
n-Propylbenzene	< 0.00030	mg/l	2509	12/20/03	19:53
n-Propylbenzene	< 0.00030	mg/l	2512	12/21/03	8:01
n-Propylbenzene	< 0.00030	mg/l	4809	12/23/03	22:15
Styrene	< 0.00040	mg/l	2509	12/20/03	19:53
Styrene	< 0.00040	mg/l	2512	12/21/03	8:01
Styrene	< 0.00040	mg/l	4809	12/23/03	22:15
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	2509	12/20/03	19:53
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	2512	12/21/03	8:01
1,1,1,2-Tetrachloroethane	< 0.00060	mg/l	4809	12/23/03	22:15
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	2509	12/20/03	19:53
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	2512	12/21/03	8:01
1,1,2,2-Tetrachloroethane	< 0.00040	mg/l	4809	12/23/03	22:15
Tetrachloroethene	< 0.00040	mg/l	2509	12/20/03	19:53
Tetrachloroethene	< 0.00040	mg/l	2512	12/21/03	8:01
Tetrachloroethene	0.00040	mg/l	4809	12/23/03	22:15
Toluene	< 0.0006	mg/l	2509	12/20/03	19:53
Toluene	< 0.0006	mg/l	2512	12/21/03	8:01
Toluene	< 0.0006	mg/l	4809	12/23/03	22:15
1,2,3-Trichlorobenzene	< 0.00100	mg/l	2509	12/20/03	19:53
1,2,3-Trichlorobenzene	< 0.00100	mg/l	2512	12/21/03	8:01
1,2,3-Trichlorobenzene	< 0.00100	mg/l	4809	12/23/03	22:15
1,2,4-Trichlorobenzene	< 0.00060	mg/l	2509	12/20/03	19:53
1,2,4-Trichlorobenzene	< 0.00060	mg/l	2512	12/21/03	8:01
1,2,4-Trichlorobenzene	< 0.00060	mg/l	4809	12/23/03	22:15
1,1,1-Trichloroethane	< 0.00070	mg/l	2509	12/20/03	19:53
1,1,1-Trichloroethane	< 0.00070	mg/l	2512	12/21/03	8:01
1,1,1-Trichloroethane	< 0.00070	mg/l	4809	12/23/03	22:15
1,1,2-Trichloroethane	< 0.00040	mg/l	2509	12/20/03	19:53
1,1,2-Trichloroethane	< 0.00040	mg/l	2512	12/21/03	8:01
1,1,2-Trichloroethane	< 0.00040	mg/l	4809	12/23/03	22:15
Trichloroethene	< 0.00040	mg/l	2509	12/20/03	19:53
Trichloroethene	< 0.00040	mg/l	2512	12/21/03	8:01
Trichloroethene	< 0.00040	mg/l	4809	12/23/03	22:15
1,2,3-Trichloropropane	< 0.00060	mg/l	2509	12/20/03	19:53
1,2,3-Trichloropropane	< 0.00060	mg/l	2512	12/21/03	8:01
1,2,3-Trichloropropane	< 0.00060	mg/l	4809	12/23/03	22:15
1,2,4-Trimethylbenzene	< 0.0003	mg/l	2509	12/20/03	19:53

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 04-41001
Project Name: 103rd STREET & "A" AVENU
Page: 8
Laboratory Receipt Date: 12/16/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,2,4-Trimethylbenzene	< 0.0003	mg/l	2512	12/21/03	8:01
1,2,4-Trimethylbenzene	< 0.0003	mg/l	4809	12/23/03	22:15
1,3,5-Trimethylbenzene	< 0.00100	mg/l	2509	12/20/03	19:53
1,3,5-Trimethylbenzene	< 0.00100	mg/l	2512	12/21/03	8:01
1,3,5-Trimethylbenzene	< 0.00100	mg/l	4809	12/23/03	22:15
Vinyl chloride	< 0.00050	mg/l	2509	12/20/03	19:53
Vinyl chloride	< 0.00050	mg/l	2512	12/21/03	8:01
Vinyl chloride	< 0.00050	mg/l	4809	12/23/03	22:15
Xylenes (Total)	< 0.0009	mg/l	2509	12/20/03	19:53
Xylenes (Total)	< 0.0009	mg/l	2512	12/21/03	8:01
Xylenes (Total)	< 0.0009	mg/l	4809	12/23/03	22:15
Bromodichloromethane	< 0.00030	mg/l	2509	12/20/03	19:53
Bromodichloromethane	< 0.00030	mg/l	2512	12/21/03	8:01
Bromodichloromethane	< 0.00030	mg/l	4809	12/23/03	22:15
Trichlorofluoromethane	< 0.00040	mg/l	2509	12/20/03	19:53
Trichlorofluoromethane	< 0.00040	mg/l	2512	12/21/03	8:01
Trichlorofluoromethane	< 0.00040	mg/l	4809	12/23/03	22:15
VOA Surr 1,2-DCA-d4	89.	% Rec	2509	12/20/03	19:53
VOA Surr 1,2-DCA-d4	90.	% Rec	2512	12/21/03	8:01
VOA Surr 1,2-DCA-d4	88.	% Rec	4809	12/23/03	22:15
VOA Surr Toluene-d8	97.	% Rec	2509	12/20/03	19:53
VOA Surr Toluene-d8	95.	% Rec	2512	12/21/03	8:01
VOA Surr Toluene-d8	94.	% Rec	4809	12/23/03	22:15
VOA Surr, 4-BFB	99.	% Rec	2509	12/20/03	19:53
VOA Surr, 4-BFB	97.	% Rec	2512	12/21/03	8:01
VOA Surr, 4-BFB	97.	% Rec	4809	12/23/03	22:15
VOA Surr, DBFM	94.	% Rec	2509	12/20/03	19:53
VOA Surr, DBFM	95.	% Rec	2512	12/21/03	8:01
VOA Surr, DBFM	95.	% Rec	4809	12/23/03	22:15
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.00010	mg/l	814	12/19/03	19:58
Acenaphthylene	< 0.00010	mg/l	814	12/19/03	19:58
Anthracene	< 0.00010	mg/l	814	12/19/03	19:58
Benzo(a)anthracene	< 0.00010	mg/l	814	12/19/03	19:58
Benzo(a)pyrene	< 0.00010	mg/l	814	12/19/03	19:58
Benzo(b)fluoranthene	< 0.00010	mg/l	814	12/19/03	19:58
Benzo(g,h,i)perylene	< 0.00010	mg/l	814	12/19/03	19:58
Benzo(k)fluoranthene	< 0.00010	mg/l	814	12/19/03	19:58
Chrysene	< 0.00010	mg/l	814	12/19/03	19:58
Dibenz(a,h)anthracene	< 0.00010	mg/l	814	12/19/03	19:58
Fluoranthene	< 0.00010	mg/l	814	12/19/03	19:58
Fluorene	< 0.00010	mg/l	814	12/19/03	19:58
Indeno(1,2,3-cd)pyrene	< 0.00010	mg/l	814	12/19/03	19:58
2-Methylnaphthalene	< 0.00010	mg/l	814	12/19/03	19:58
Naphthalene	< 0.00010	mg/l	814	12/19/03	19:58
Phenanthrene	< 0.00010	mg/l	814	12/19/03	19:58
Pyrene	< 0.00010	mg/l	814	12/19/03	19:58
1-Methylnaphthalene	< 0.00010	mg/l	814	12/19/03	19:58
BNA Surr-Nitrobenzene-d5	86.	% Rec	814	12/19/03	19:58
BNA Surr-2-Fluorobiphenyl	59.	% Rec	814	12/19/03	19:58
BNA Surr-Terphenyl-d14	77.	% Rec	814	12/19/03	19:58
METALS					
Lead	< 0.0029	mg/l	6648	12/18/03	8:03

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 358005

1/ 5/04 CASE NARRATIVE

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: 103rd STREET & "A" AVENU
Project Number: 04-41001.
Laboratory Project Number: 358005.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Page 1

Sample Identification	Lab Number	Collection Date
CEF-103-SMW-03	03-A195582	12/13/03
CEF-103-SMW-04	03-A195583	12/13/03
CEF-103-SMW-05	03-A195584	12/13/03
CEF-103-SMW-06	03-A195585	12/13/03
CEF-103-SMW-07	03-A195586	12/13/03
CEF-103-SMW-08	03-A195587	12/13/03
CEF-103-SMW-09	03-A195588	12/13/03
CEF-103-SMW-11	03-A195589	12/13/03
EQUIPMENT BLANK	03-A195590	12/13/03
Trip Blank	03-A195591	12/13/03

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 12/26/03

Ashley Morris, Lab Director
Michael H. Dunn, M.S., QA/QC Director
Johnny A. Mitchell, Operations Manager Organics
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: E87358

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ANALYTICAL REPORT

TERRAINE, INC. 9463
JIM YOUNG
2622 N.W. 97TH
MIAMI, FL 33172

Project: 04-41001
Project Name: 103rd STREET & "A" AVENU
Sampler: K.BAER/L.WOLSKI

Lab Number: 03-A195591
Sample ID: Trip Blank
Sample Type: Water
Site ID:

Date Collected: 12/13/03
Time Collected:
Date Received: 12/16/03
Time Received: 8:15

Appendix B

December 2003
Groundwater Sampling Logs

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Cloudy
Sampling ID: 04-41001/4:CEF-103-SMW-03:12/13/2003		
Notes: bad conductivity and D.O. All other measurements seem fine.		

Well Information

Well ID: **CEF-103-SMW-03**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 82.03	Northing: 0	Easting: 0
Static Depth to Water (ft): 6.61	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 10.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 08:30	Purge End: 08:50	Total Volume Purged (gal): 1.10	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
08:40	8.35	0.80	0.00	3.36	22.49	0.9	6.51	-69.0	121.00	brown	none
08:43	8.36	0.90	0.00	3.55	22.56	0.9	6.50	-64.0	103.00		
08:45	8.36	1.00	0.05	3.51	22.58	0.9	6.45	-59.0	90.40		
08:47	8.36	1.10	0.05	3.87	22.57	0.9	6.44	-58.0	83.30		

Sampling Data

Sample Information

Sample Date:	12/13/2003
Sample Start Time:	08:50
Sample End Time:	09:00
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	3.98
Temp (*C):	22.59
SEC (uS/cm):	0.99
pH:	6.44
ORP (mV):	-58.00
Turb (NTU):	82.40

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.00		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"Lead, PAHs, TRPH, VOCs"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Cloudy
Sampling ID: 04-41001/4:CEF-103-SMW-07:12/13/2003		
Notes: DO Cond inaccurate		

Well Information

Well ID: **CEF-103-SMW-07**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.35	Northing: 0	Easting: 0
Static Depth to Water (ft): 4.70	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 7.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 08:40	Purge End: 09:00	Total Volume Purged (gal): 1.40	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
08:43	5.72	0.50	0.00	1.53	21.23	599.0	6.05	-180.0	280.00	orange	none
08:47	5.85	0.80	0.00	1.97	21.90	592.0	6.02	-239.0	187.00		
08:54	5.90	1.20	0.00	3.21	21.92	90.0	6.11	-274.0	79.50		
08:58	5.95	1.40	0.06	2.19	22.04	165.0	6.11	-278.0	80.00		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	12/13/2003	DO (mg/L):	2.21	DO:	0.00	Sulfate:	0.00
Sample Start Time:	09:00	Temp (*C):	22.08	CO2:	0.00	Sulfide:	0.00
Sample End Time:	09:15	SEC (uS/cm):	584.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	6.07	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	-282.00	H2S:	0.00		
		Turb (NTU):	76.40	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, TRPH, PAHs, Lead"	

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Cloudy
Sampling ID: 04-41001/4:CEF-103-SMW-05:12/13/2003		
Notes: "Bad conductivity and D.O., all other measurements seem fine."		

Well Information

Well ID: **CEF-103-SMW-05**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 82.37	Northing: 0	Easting: 0
Static Depth to Water (ft): 5.93	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 9.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 09:35	Purge End: 10:18	Total Volume Purged (gal): 1.60	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
10:09	7.46	1.30	0.00	2.02	22.93	0.9	7.12	-95.0	12.00	clear	none
10:12	7.55	1.40	0.00	1.78	22.97	0.9	7.09	-97.0	5.24		
10:15	7.61	1.60	0.06	1.66	22.99	0.9	7.09	-100.0	5.13		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	12/13/2003	DO (mg/L):	1.64	DO:	0.00	Sulfate:	0.00
Sample Start Time:	10:18	Temp (*C):	23.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	10:30	SEC (uS/cm):	0.99	Alkalinity:	0.00		
Field Filtered:	☐	pH:	7.12	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	-101.00	H2S:	0.00		
		Turb (NTU):	4.35	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"Lead, PAHs, TRPH, VOCs"	

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Cloudy
Sampling ID: 04-41001/4:CEF-103-SMW-08:12/13/2003		
Notes:		

Well Information

Well ID: **CEF-103-SMW-08**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.55	Northing: 0	Easting: 0
Static Depth to Water (ft): 4.50	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 7.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 09:35	Purge End: 10:23	Total Volume Purged (gal): 1.70	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
09:40	5.25	0.40	0.00	2.07	21.38	757.0	5.38	-1.0	719.00	orange	none
09:43	5.50	0.60	0.00	0.87	21.71	773.0	5.84	-76.0	623.00		
09:48	5.50	0.70	0.00	0.35	21.55	780.0	5.99	-134.0	545.00		
09:56	5.80	1.10	0.00	0.52	21.82	816.0	6.06	-183.0	339.00		
10:00	5.90	1.20	0.00	0.25	21.93	819.0	6.09	-223.0	265.00		
10:04	5.88	1.30	0.02	0.05	21.60	827.0	6.12	-248.0	244.00		
10:08	5.83	1.40	0.02	0.01	21.42	831.0	6.09	-270.0	204.00		
10:13	5.89	1.50	0.00	0.00	21.48	829.0	6.12	-288.0	176.00		
10:17	5.89	1.60	0.02	0.00	21.35	831.0	6.09	-292.0	152.00		
10:21	5.89	1.70	0.02	0.00	21.29	831.0	6.13	-301.0	145.00		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	12/13/2003	DO (mg/L):	0.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	10:23	Temp (*C):	21.38	CO2:	0.00	Sulfide:	0.00
Sample End Time:	10:40	SEC (uS/cm):	829.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	6.12	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	-295.00	H2S:	0.00		
		Turb (NTU):	138.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, TRPH, PAHs, Lead"	

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Cloudy
Sampling ID: 04-41001/4:CEF-103-SMW-04:12/13/2003		
Notes: Bad conductivity and D.O. All other measurements seem fine.		

Well Information

Well ID: **CEF-103-SMW-04**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 82.23	Northing: 0	Easting: 0
Static Depth to Water (ft): 6.65	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 10.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 10:55	Purge End: 11:40	Total Volume Purged (gal): 1.30	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
11:31	7.85	1.10	0.00	5.84	23.85	0.9	6.76	-92.0	10.80	orange	slight HC
11:34	7.97	1.20	0.00	5.94	23.85	0.9	6.77	-91.0	12.40		
11:37	8.04	1.30	0.05	5.99	23.88	0.9	6.77	-90.0	13.90		

Sampling Data

Sample Information

Sample Date:	12/13/2003
Sample Start Time:	11:40
Sample End Time:	12:19
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	6.01
Temp (*C):	23.89
SEC (uS/cm):	0.99
pH:	6.74
ORP (mV):	-91.00
Turb (NTU):	14.40

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.00		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"Lead, PAHs, TRPH, VOCs"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: "Cloudy, Sunny"
Sampling ID: 04-41001/4:CEF-103-SMW-06:12/13/2003		
Notes: DO and Cond inaccurate		

Well Information

Well ID: **CEF-103-SMW-06**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 77.33	Northing: 0	Easting: 0
Static Depth to Water (ft): 2.50	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 5.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 11:00	Purge End: 11:19	Total Volume Purged (gal): 1.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
11:05	3.00	0.30	0.00	0.00	21.51	0.9	5.20	-2.0	13.50	clear	none
11:08	3.00	0.50	0.00	3.68	21.68	830.0	5.31	-100.0	10.60		
11:11	3.00	0.70	0.06	2.36	21.96	844.0	5.30	-132.0	8.34		
11:14	3.15	0.90	0.06	2.56	22.04	218.0	5.39	-180.0	6.91		
11:16	3.15	1.00	0.00	2.60	22.04	855.0	5.39	-176.0	5.83		

Sampling Data

Sample Information

Sample Date:	12/13/2003
Sample Start Time:	11:19
Sample End Time:	11:26
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	2.63
Temp (*C):	22.08
SEC (uS/cm):	860.00
pH:	5.41
ORP (mV):	-179.00
Turb (NTU):	5.47

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.00		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Lead"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: "Cloudy, Sunny"
Sampling ID: 04-41001/4:CEF-103-SMW-09:12/13/2003		
Notes: DO and Cond inaccurate		

Well Information

Well ID: **CEF-103-SMW-09**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.67	Northing: 0	Easting: 0
Static Depth to Water (ft): 4.52	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 6.50
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 12:03	Purge End: 12:29	Total Volume Purged (gal): 2.70	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
12:16	6.10	2.10	0.00	4.96	24.45	110.0	5.69	-295.0	33.50	clear	none
12:23	6.12	0.50	-0.26	3.90	24.49	321.0	5.65	-319.0	22.90		
12:26	6.12	2.70	0.73	2.77	24.48	327.0	5.68	-308.0	20.02		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	12/13/2003	DO (mg/L):	2.73	DO:	0.00	Sulfate:	0.00
Sample Start Time:	12:29	Temp (*C):	24.50	CO2:	0.00	Sulfide:	0.00
Sample End Time:	12:35	SEC (uS/cm):	327.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	5.65	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	-320.00	H2S:	0.00		
		Turb (NTU):	17.60	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, TRPH, PAHs, Lead"	

GROUNDWATER SAMPLING LOG

TERRAINE

Project Information

Project No: 04-41001/4	Project Name: 103rd Street - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: "Cloudy, Sunny"
Sampling ID: 04-41001/4:CEF-103-SMW-11:12/13/2003		
Notes: "Bad conductivity and D.O., all other measurements seem fine."		

Well Information

Well ID: **CEF-103-SMW-11**	Sampling Date: **12/13/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 82.48	Northing: 0	Easting: 0
Static Depth to Water (ft): 7.15	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 10.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 12:25	Purge End: 13:21	Total Volume Purged (gal): 1.80	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
13:13	9.14	1.60	0.00	3.82	24.12	0.9	6.58	-98.0	93.10	brown	none
13:17	9.19	1.70	0.00	3.59	24.16	0.9	6.63	-98.0	104.00		
13:21	9.21	1.80	0.03	3.49	24.24	0.9	6.63	-97.0	113.00		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	12/13/2003	DO (mg/L):	3.38	DO:	0.00	Sulfate:	0.00
Sample Start Time:	13:21	Temp (*C):	24.27	CO2:	0.00	Sulfide:	0.00
Sample End Time:	13:52	SEC (uS/cm):	0.99	Alkalinity:	0.00		
Field Filtered:	☐	pH:	6.60	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	-98.00	H2S:	0.00		
		Turb (NTU):	101.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"Lead, PAHs, TRPH, VOCs"	