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NAS CECIL FIELD, FL
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"FIRST QUARTER 2004 OPERATION AND MAINTENANCE STATUS REPORT FOR NUTRIENT INJECTION SYSTEM AT BUILDING 46 FORMER TANKS 46R, 46D, 46SUL AND 46 UL NAS CECIL FIELD FL "

6/1/2004

TERRAINE INC ENVIRONMENTAL SERVICES

TERRAINE Environmental Consulting

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FIRST QUARTER 2004
Operation and Maintenance Status Report
January 1, 2004 – March 31, 2004

NUTRIENT INJECTION SYSTEM
BUILDING 46
Former Tanks 46R, 46D, 46SUL and 46UL

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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June 2004

Contents

Signature Page ..... **i**
Acronym List ..... **ii**
1.0 Introduction **1-1**
1.1 Objective 1-1
1.2 Site History 1-1
1.3 Remediation System/Technology Description 1-2
2.0 System Performance Monitoring **2-1**
2.1 Operational Efficiencies 2-1
2.1.1 West - Nutrient Injection System 2-1
2.1.2 East - Nutrient Injection System 2-1
2.2 Summary of Maintenance and System Downtime 2-1
2.2.1 West - Nutrient Injection System 2-1
2.2.2 East - Nutrient Injection System 2-2
2.3 Pressure/Flow Rate Monitoring 2-2
2.3.1 West - Nutrient Injection System 2-2
2.3.2 East - Nutrient Injection System 2-2
2.4 Water-Level Measurements 2-3
3.0 Summary of Sampling and Laboratory Analytical Results **3-1**
3.1 Data Validation 3-1
3.2 Soil Monitoring 3-1
3.3 Groundwater Monitoring 3-2
4.0 Conclusions and Recommendations **4-1**
5.0 References **5-1**

Figures

1-1 Injection Well Location & Site Map 1-3

Tables

2-1 West System - Injection Well Measurements 2-4
2-2 West System - Injection System Data 2-10
2-3 East System - Injection Well Measurements 2-11
2-4 East System - Injection System Data 2-21
2-5 Groundwater Monitoring Well – Water Level & Free Product Data 2-22
3-1 Soil Analytical Results 3-3
3-2 Groundwater Analytical Results 3-4
3-3 Groundwater Field Analytical Results 3-11

Appendices

A Laboratory Analytical Reports for Soil Samples
B Laboratory Analytical Reports for Groundwater Samples
C 1st Quarter 2004 Groundwater Sampling Logs
D 1st Quarter 2004 Site Visit Reports

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

acfh	actual cubic feet per hour
acfm	actual cubic feet per minute
bls	below land surface
BTEX	Benzene, Toluene, Ethyl Benzene, and Xylenes
CCI	CH2M HILL Constructors, Inc.
cfm	cubic feet per minute
CTO	Contract Task Order
EPA	Environmental Protection Agency
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FID	Flame Ionization Detector
FL PRO	Florida Petroleum Residual Organic
GCTL	Groundwater Cleanup Target Levels
HLA	Harding Lawson Associates
LNAPL	Light Non-Aqueous Phase Liquid
MTBE	Methyl-Tert Butyl Ether
NAS	Naval Air Station
NAVFAC	Naval Facilities Engineering Command
O&M	Operation and Maintenance
OVA	Organic Vapor Analyzer
PAH	Polycyclic Aromatic Hydrocarbons
psig	pounds per square inch gauge
SAR	Site Assessment Report
SCTL	Soil Cleanup Target Levels
TEP	Triethylphosphate
TERRAINE	Terraine Environmental Services, Inc.
TRPH	Total Recoverable Petroleum Hydrocarbons
TtNUS	TetraTech NUS, Inc.
UST	Underground Storage Tank

1.0 Introduction

Terraine, Inc. (TERRAINE) has been contracted by the Department of the Navy, Southern Division Naval Facilities Engineering Command (Southern Division, NAVFAC), to provide Operation and Maintenance (O&M) services at Building 46, NAS Cecil Field, Jacksonville, Florida, under the **Basic Ordering Agreement (BOA) Contract No. N62467-02-G-0352, Contract Task Order (CTO) No. 0001**. The purpose of this First Quarter 2004 O&M Report is to provide a summary of activities performed at the site during the period of January 1, 2004, to March 31, 2004.

1.1 Objective

The objective of the remedial action at the Building 46 site 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. Nutrient injection, using the *PHOSter Nutrient Injection System*, is the technology being used to achieve this objective.

1.2 Site History

Building 46 was the former base gas station that operated from 1946 to 1987. The station had a total of eight underground storage tanks (USTs), all of which were removed in June 1988. Four of the tanks, labeled as 46R, 46D, 46SUL, and 46UL, were installed in 1970 and were used for the storage of regular and unleaded gasoline and diesel fuel. These tanks were located adjacent to Building 46. The other four tanks were installed prior to 1970, and their contents are unknown. They were located just south of Building 46 (TetraTech NUS, June 2000).

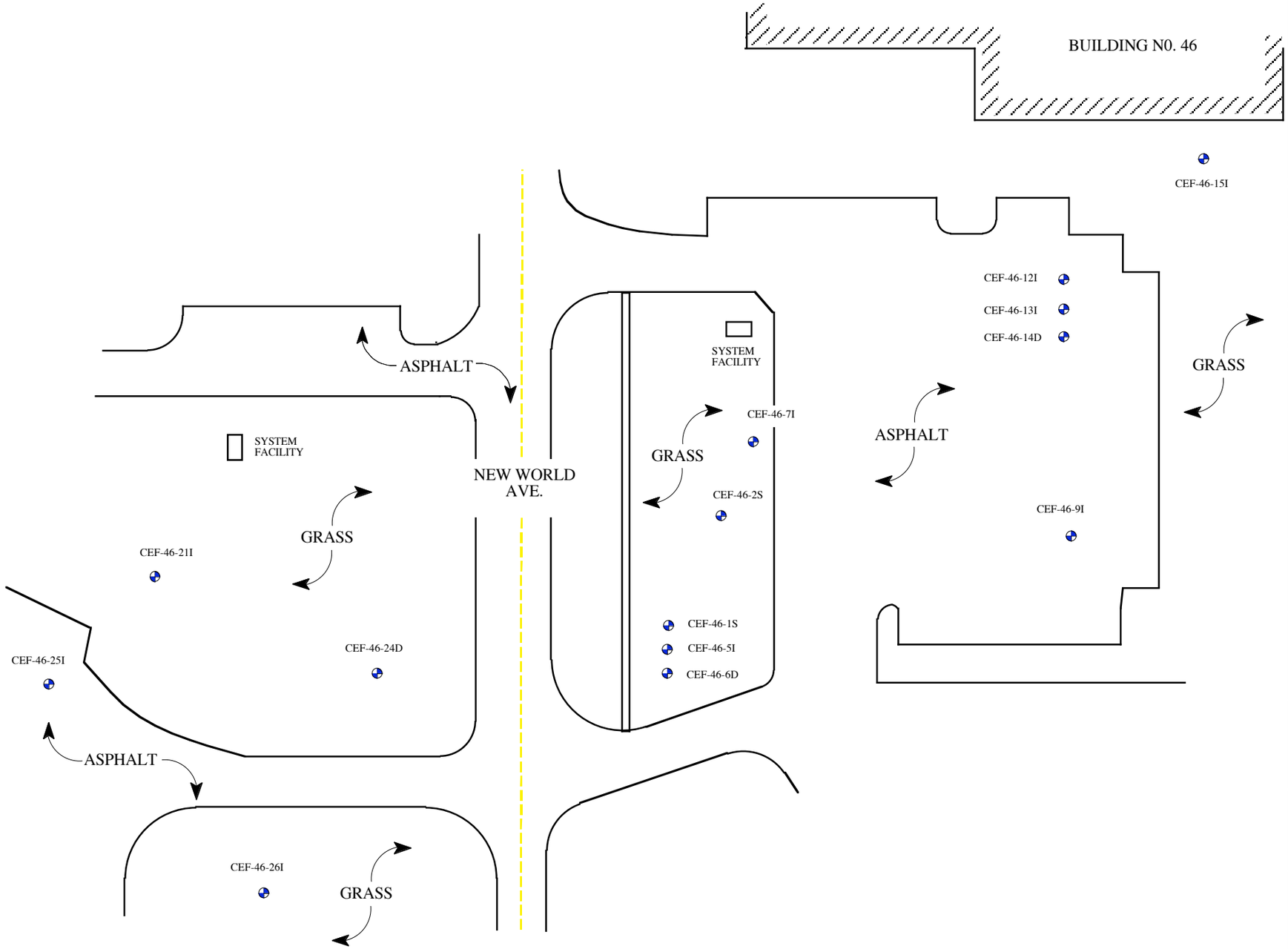
A Site Assessment Report (SAR) prepared for Building 46 (Harding Lawson Associates [HLA], 1998) concluded that operation of the USTs had resulted in contamination of soil and groundwater with fuel-related compounds, including Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX), Methyl-Tert-Butyl Ether (MTBE), Naphthalene, and Total Recoverable Petroleum Hydrocarbons (TRPH). The SAR determined that an area of soil approximately 5,500 square feet at the location of the former USTs was highly contaminated to a depth of 7 feet below land surface (bls) and acted as a source of groundwater contamination. The SAR also established that groundwater contamination extends to the shallow (7 to 25 feet bls), intermediate (25 to 50 feet bls) and deep (50 to 92 feet bls) zones of the surficial aquifer over areas approximately 25,300 square feet (sq. ft.), 95,700 sq. ft., and 31,000 sq. ft., respectively.

To treat the impacted soil and groundwater and thereby achieve state-mandated cleanup target levels, a Nutrient Injection System was installed at the site during the period of November 2000 to January 2001 The Nutrient Injection System commenced operation on January 18, 2001.

1.3 Remediation System/Technology Description

The *PHOSter Nutrient Injection System* provides subsurface delivery of oxygen, nitrogen, and phosphorus to enhance the development of naturally occurring heterotrophic bacteria that have the capability of metabolizing petroleum wastes. A compressor is used to inject air as the oxygen source, and the airflow is mixed with nitrous oxide and vapor-phase triethylphosphate (TEP) to provide nitrogen and phosphorus, respectively. Toward the end of cleanup operations, when contaminant concentrations have been reduced to the point where insufficient food (contaminant) is available to sustain an effective microorganism population, propane will also be injected as a carbon source (TtNUS, June 2000).

The Building 46 Nutrient Injection System consists of two separate systems, labeled as the ***West System*** and the ***East System***. These two separate systems allow for even gas distribution and more effective treatment of the relatively large extent of the contaminant plume. The ***West System*** consists of eight intermediate injection wells (labeled CEF-46-I1 through CEF-46-I8), three deep injection wells (labeled CEF-46-D1 through CEF-46-D3), and a temporary trailer containing air compressors, injection gas storage containers, and associated piping and instrumentation. The ***East System*** consists of 8 intermediate injection wells (labeled CEF-46-BI1 through CEF-46-BI8), 11 deep injection wells (labeled CEF-46-BD1 through CEF-46-BD11), and a temporary trailer containing air compressors, injection gas storage containers, and associated piping and instrumentation. The intermediate injection wells are 40 feet deep with a screen interval from 35 to 40 feet bls, and the deep injection wells are 90 feet deep with a screen interval of 85 to 90 feet bls. The Nutrient Injection System is designed for each injection well to operate at a flow rate of 3 to 5 cubic feet per minute (cfm) at an injection pressure of 20-pounds-per-square-inch gauge (psig) for the intermediate wells and 50 psig for the deep wells. The locations of the injection wells are shown on **Figure 1-1**.



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NOTES

LEGEND

MONITORING WELL

TERRAINE

BUILDING NO. 46
NAVAL AIR STATION JACKSONVILLE
JACKSONVILLE, FL

DWN BY: DNH	CHK BY: MJP
NOT TO SCALE:	APR BY: JLY
DATE: 12/30/02	FILE:

2.0 System Performance Monitoring

O&M checks of the system were performed daily for the first week of operation and periodically thereafter. System checks were also performed daily during the first week of operation and periodically thereafter to coincide with the O&M checks.

During an O&M check, a preventative maintenance checklist (based upon manufacturer's recommendations) is completed, and any required maintenance activity is performed. A system check consists of an O&M check and system performance monitoring, including reading of all meters and gauges.

2.1 Operational Efficiencies

2.1.1 West - Nutrient Injection System

	Period	To Date
Hours of Possible Operation:	2,184	28,056
Hours of Actual Operation:	1,824	24,740.3
Percent Hours of Operation:	83.5	88.2

2.1.2 East - Nutrient Injection System

	Period	To Date
Hours of Possible Operation:	2,184	28,056
Hours of Actual Operation:	1,824	24,061.3
Percent Hours of Operation:	83.5	85.8

2.2 Summary of Maintenance and System Downtime

2.2.1 West - Nutrient Injection System

During the period of January 1, 2004 through March 31, 2004, the West Nutrient Injection System operated a total of approximately 76 days out of a possible 91 days, experiencing approximately 360 hours of downtime. The system downtime was the result of manually shutting down the system to perform the first quarter 2004 groundwater-sampling event.

2.2.2 East - Nutrient Injection System

During the period of January 1, 2004 through March 31, 2004, the East Nutrient Injection System operated a total of approximately 76 days out of a possible 91 days, experiencing approximately 360 hours of downtime. The system downtime was the result of manually shutting down the system to perform the first quarter 2004 groundwater-sampling event.

2.3 Pressure/Flow Rate Monitoring

2.3.1 West - Nutrient Injection System

The ***West*** Nutrient Injection System is divided into two manifold legs. Leg #1 consists of intermediate injection wells CEF-46-I1, CEF-46-I2, CEF-46-I3, CEF-46-I4, CEF-46-I5, and CEF-46-I8. Leg #2 consists of intermediate injection wells CEF-46-I6 and CEF-46-I7, and deep injection wells CEF-46-D1, CEF-46-D2, and CEF-46-D3. During the first quarter of 2004, the injection pressure at the compressors averaged 25.0 psig. The design pressure is 20 psig for intermediate injection wells and 50 psig for deep injection wells. Each individual injection well has its own separate pressure regulator. Individual injection well pressures are not measured; adjustments are based upon flow rates, not pressure. The total gas injection flow rate averaged 8.0 actual cubic feet per minute (acfm) for Leg #1 and 6.0 acfm for Leg #2, compared to the combined design total gas injection flow rate of 18 to 30 acfm. The nitrous oxide injection rate averaged 0.2 actual cubic feet per hour (acfh), which is 0.024 percent by volume of airflow, compared to the design Nitrous Oxide injection rate of 0.07 to 0.10 percent by volume of airflow. The triethylphosphate (TEP) injection mass for the first quarter of 2004 totaled 2.67 pounds. The design injection mass is 24.75 pounds per quarter. The data for the injection wells and injection system are tabulated on **Table 2-1** and **Table 2-2**, respectively.

2.3.2 East - Nutrient Injection System

The ***East*** Nutrient Injection System is divided into two manifold legs. Leg #1 consists of intermediate injection wells CEF-46-BI2, CEF-46-BI3, CEF-46-BI4, CEF-46-BI5, CEF-46-BI6, CEF-46-BI7, and CEF-46-BI8, and deep injection wells CEF-46-BD9, CEF-46-BD10, and CEF-46-BD11. Leg #2 consists of intermediate injection well CEF-46-BI1, and deep injection wells CEF-46-BD1, CEF-46-BD2, CEF-46-BD3, CEF-46-BD4, CEF-46-BD5, CEF-46-BD6, CEF-46-BD7 and CEF-46-BD8. During the first quarter of 2004, the injection pressure at the compressors averaged 15.0 psig. The design pressure is 20 psig for intermediate injection wells and 50 psig for deep injection wells. Each individual injection well has its own separate pressure regulator. Individual injection well pressures are not measured; adjustments are based upon flow rates, not pressure. The total gas injection flow rate averaged 8 acfm for Leg #1 and 12 acfm for Leg #2, compared to the combined design total gas injection flow rate of 30 to 50 acfm. The Nitrous Oxide injection rate averaged 0.73 acfh, which is 0.061 percent by volume of airflow, compared to the design Nitrous Oxide injection rate of 0.07 to 0.10 percent by volume of airflow. The TEP injection mass for the first quarter of 2004 totaled 2.67 pounds, compared to the design injection mass of 42.75 pounds per quarter. The data for the injection wells and injection systems are provided on **Tables 2-3** and **2-4**, respectively.

2.4 Water-Level Measurements

Depth-to-water measurements were recorded at selected monitoring wells on a quarterly basis during the monitoring period. Depth-to-water measurements for the first quarter 2004 were recorded on March 16 and March 18, 2004. The top-of-casing elevations, depth-to-water measurements, and calculated water-level elevations are provided on **Table 2-5**.

Light Non-Aqueous Phase Liquid (LNAPL) was not noted in any monitoring well during the monitoring period.

TABLE 2-1
WEST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-I1	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/16/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	8//18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0
CEF-46-I2	01/11/02	50	3
(Leg #1)	02/04/02	50	3
	03/11/02	50	3
	04/15/02	50	3
	05/13/02	25	2
	06/17/02	25	2
	07/16/02	25	2
	08/19/02	25	2
	09/25/02	25	2
	10/16/02	25	2
	11/19/02	25	2
	12/17/02	25	2
	01/30/03	25	2
	02/26/03	25	2
	03/25/03	25	2
	04/16/03	25	2
	05/28/03	25	2
	06/26/03	25	2
	07/22/03	25	2
	08/18/03	25	2
	09/24/03	25	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2

TABLE 2-1
WEST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-I3	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/16/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0
CEF-46-I4	01/11/02	50	3
(Leg #1)	02/04/02	50	3
	03/11/02	50	3
	04/15/02	50	3
	05/13/02	25	2
	06/17/02	25	2
	07/16/02	25	2
	08/19/02	25	2
	09/25/02	25	0
	10/16/02	25	2
	11/19/02	25	2
	12/17/02	25	2
	01/30/03	25	2
	02/26/03	25	2
	03/25/03	25	2
	04/16/03	25	2
	05/28/03	25	2
	06/26/03	25	2
	07/22/03	25	2
	08/18/03	25	2
	09/24/03	25	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2

TABLE 2-1
WEST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-I5	01/11/02	25	3
(Leg #1)	02/04/02	25	3
	03/11/02	25	3
	04/15/02	25	3
	05/13/02	25	3
	06/17/02	25	3
	07/16/02	25	3
	08/19/02	25	3
	09/25/02	25	3
	10/16/02	25	2
	11/19/02	25	2
	12/17/02	25	2
	01/30/03	25	2
	02/26/03	25	2
	03/25/03	25	2
	04/16/03	25	2
	05/28/03	25	2
	06/26/03	25	2
	07/22/03	25	2
	08/18/03	25	2
	09/24/03	25	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2
CEF-46-I6	01/11/02	60	3
(Leg #2)	02/04/02	60	3
	03/11/02	60	3
	04/15/02	60	3
	05/13/02	25	2
	06/17/02	25	2
	07/16/02	25	2
	08/19/02	25	2
	09/25/02	25	2
	10/16/02	25	2
	11/19/02	25	2
	12/17/02	25	2
	01/30/03	25	2
	02/26/03	25	2
	03/25/03	25	2
	04/16/03	25	2
	05/28/03	25	2
	06/26/03	25	2
	07/22/03	25	2
	08/18/03	25	2
	09/24/03	25	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2

TABLE 2-1
WEST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-I7	01/11/02	0	0
(Leg #2)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/16/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0
CEF-46-I8	01/11/02	60	3
(Leg #1)	02/04/02	60	3
	03/11/02	60	3
	04/15/02	60	3
	05/13/02	25	2
	06/17/02	25	2
	07/16/02	25	2
	08/19/02	25	2
	09/25/02	25	2
	10/16/02	25	2
	11/19/02	25	2
	12/17/02	25	2
	01/30/03	25	2
	02/26/03	25	2
	03/25/03	25	2
	04/16/03	25	2
	05/28/03	25	2
	06/26/03	25	2
	07/22/03	25	2
	08/18/03	25	2
	09/24/03	25	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2

TABLE 2-1
WEST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-D1	01/11/02	100	2
(Leg #2)	02/04/02	100	2
	03/11/02	100	2
	04/15/02	100	2
	05/13/02	100	2
	06/17/02	100	2
	07/16/02	100	2
	08/19/02	100	2
	09/25/02	100	2
	10/16/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2
CEF-46-D2	01/11/02	100	2
(Leg #2)	02/04/02	100	2
	03/11/02	100	2
	04/15/02	100	2
	05/13/02	100	2
	06/17/02	100	2
	07/16/02	100	2
	08/19/02	100	2
	09/25/02	100	2
	10/16/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2

TABLE 2-1
WEST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-D3	01/11/02	0	0
(Leg #2)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/16/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

NA = Not Available

TABLE 2-2
WEST SYSTEM - INJECTION SYSTEM DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Date	Air Supply Pressure (psig)	Total Gas Flow (acfm)	NOX Flow (acfh)	TEP Injection (pounds)
01/11/02	42	19	1.5	1.78
02/04/02	43	19	0.2	NA
03/11/02	45	19	1.5	NA
04/15/02	45	19	1.5	NA
05/13/02	50	15	1.5	NA
06/17/02	51	19	0.5	NA
07/16/02	51	19	0.5	NA
08/19/02	52	15	0.5	NA
09/25/02	55	15	0.5	NA
10/16/02	66	14	0.8	2.59
11/19/02	54	14	0.8	5.18
12/17/02	55	14	1	2.14
01/30/03	55	14	0.5	0.00
02/26/03	45	14	0.5	0.00
03/25/03	45	14	0.5	0.00
04/16/03	35	14	0.5	0.00
05/28/03	35	14	0.5	9.79
06/26/03	35	14	0.5	8.01
07/22/03	35	14	0.5	7.12
08/18/03	35	14	0.5	3.56
09/24/03	35	14	0.5	3.56
10/22/03	30	14	0.2	8.01
11/25/03	25	14	0.2	0.89
12/16/03	25	14	0.2	0.89
01/20/04	25	14	0.2	0.00
02/17/04	25	14	0.2	2.225
03/22/04	25	14	0.2	0.445

NA = Not Available
psig = pounds per square inch gauge
acfm = actual cubic feet per minute
acfh = actual cubic feet per hour

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BI1	01/11/02	0	0
(Leg #2)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0
CEF-46-BI2	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BI3	01/11/02	100	4
(Leg #1)	02/04/02	100	4
	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	4
	06/17/02	100	4
	07/16/02	100	4
	08/19/02	100	4
	09/25/02	100	4
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2
CEF-46-BI4	01/11/02	20	4
(Leg #1)	02/04/02	20	4
	03/11/02	20	4
	04/15/02	20	4
	05/13/02	20	4
	06/17/02	20	4
	07/16/02	20	4
	08/19/02	20	4
	09/25/02	20	4
	10/18/02	20	2
	11/19/02	20	2
	12/17/02	20	2
	01/30/03	20	2
	02/26/03	20	2
	03/13/03	20	2
	04/16/03	20	0
	05/28/03	20	0
	06/26/03	20	0
	07/22/03	20	2
	08/18/03	20	2
	09/24/03	20	2
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BI5	01/11/02	100	4
(Leg #1)	02/04/02	100	4
	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	4
	06/17/02	100	4
	07/16/02	100	4
	08/19/02	100	4
	09/25/02	100	4
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2
CEF-46-BI6	01/11/02	100	4
(Leg #1)	02/04/02	100	4
	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	4
	06/17/02	100	4
	07/16/02	100	4
	08/19/02	100	4
	09/25/02	100	4
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BI7	01/11/02	100	4
(Leg #1)	02/04/02	100	4
	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	4
	06/17/02	100	4
	07/16/02	100	4
	08/19/02	100	4
	09/25/02	100	4
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2
CEF-46-BI8	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BD1	01/11/02	100	3
(Leg #2)	02/04/02	100	3
	03/11/02	100	3
	04/15/02	100	3
	05/13/02	100	3
	06/17/02	100	3
	07/16/02	100	3
	08/19/02	100	3
	09/25/02	100	3
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2
CEF-46-BD2	01/11/02	100	4
(Leg #2)	02/04/02	100	4
	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	4
	06/17/02	100	4
	07/16/02	100	4
	08/19/02	100	4
	09/25/02	100	4
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BD3	01/11/02	50	2
(Leg #2)	02/04/02	50	2
	03/11/02	50	2
	04/15/02	50	2
	05/13/02	50	2
	06/17/02	50	2
	07/16/02	50	2
	08/19/02	50	2
	09/25/02	50	2
	10/18/02	100	2
	11/19/02	100	2
	12/17/02	100	2
	01/30/03	100	2
	02/26/03	100	2
	03/25/03	100	2
	04/16/03	100	2
	05/28/03	100	2
	06/26/03	100	2
	07/22/03	100	2
	08/18/03	100	2
	09/24/03	100	2
	10/22/03	100	2
	11/25/03	100	2
	12/16/03	100	2
	01/20/04	100	2
	02/17/04	100	2
	03/22/04	100	2
CEF-46-BD4	02/04/02	100	4
(Leg #2)	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	4
	06/17/02	100	4
	07/16/02	100	4
	08/19/02	100	4
	09/25/02	100	4
	10/18/02	50	2
	11/19/02	50	2
	12/17/02	50	2
	01/30/03	50	2
	02/26/03	50	2
	03/25/03	50	2
	04/16/03	50	2
	05/28/03	50	2
	06/26/03	50	2
	07/22/03	50	2
	08/18/03	50	2
	09/24/03	50	2
	10/22/03	50	2
	11/25/03	50	2
	12/16/03	50	2
	01/20/04	50	2
	02/17/04	50	2
	03/22/04	50	2

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BD5	01/11/02	100	4
(Leg #2)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0
CEF-46-BD6	01/11/02	35	4
(Leg #2)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	40	2
	07/16/02	40	2
	08/19/02	40	2
	09/25/02	40	2
	10/18/02	40	2
	11/19/02	40	2
	12/17/02	40	2
	01/30/03	40	2
	02/26/03	40	2
	03/25/03	40	2
	04/16/03	40	2
	05/28/03	40	2
	06/26/03	40	2
	07/22/03	40	2
	08/18/03	40	2
	09/24/03	40	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BD7	01/11/02	100	4
(Leg #2)	02/04/02	100	4
	03/11/02	100	4
	04/15/02	100	4
	05/13/02	100	3
	06/17/02	40	2
	07/16/02	40	2
	08/19/02	40	2
	09/25/02	40	2
	10/18/02	40	2
	11/19/02	40	2
	12/17/02	40	2
	01/30/03	40	2
	02/26/03	40	2
	03/25/03	40	2
	04/16/03	40	2
	05/28/03	40	2
	06/26/03	40	2
	07/22/03	40	2
	08/18/03	40	2
	09/24/03	40	2
	10/22/03	25	2
	11/25/03	25	2
	12/16/03	25	2
	01/20/04	25	2
	02/17/04	25	2
	03/22/04	25	2
CEF-46-BD8	01/11/02	0	0
(Leg #2)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BD9	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0
CEF-46-BD10	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

TABLE 2-3
EAST SYSTEM - INJECTION WELL MEASUREMENTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Injection Well	Date	Valve % Open	Wellhead Flow (acfm)
CEF-46-BD11	01/11/02	0	0
(Leg #1)	02/04/02	0	0
	03/11/02	0	0
	04/15/02	0	0
	05/13/02	0	0
	06/17/02	0	0
	07/16/02	0	0
	08/19/02	0	0
	09/25/02	0	0
	10/18/02	0	0
	11/19/02	0	0
	12/17/02	0	0
	01/30/03	0	0
	02/26/03	0	0
	03/25/03	0	0
	04/16/03	0	0
	05/28/03	0	0
	06/26/03	0	0
	07/22/03	0	0
	08/18/03	0	0
	09/24/03	0	0
	10/22/03	0	0
	11/25/03	0	0
	12/16/03	0	0
	01/20/04	0	0
	02/17/04	0	0
	03/22/04	0	0

NA = Not Available

*Opened for Pressure Relief

TABLE 2-4
EAST SYSTEM - INJECTION SYSTEM DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Date	Air Supply Pressure (psig)	Total Gas Flow (acfm)	NOX Flow (acfh)	TEP Injection (pounds)
02/04/02	42	37	1	0.27
03/11/02	48	37	2	3.03
04/15/02	48	37	2	10.44
05/13/02	48	36	1.5	3.66
06/17/02	49	37	0.8	1.52
07/16/02	49	39	0.8	0.00
08/19/02	60	38	0.7	0.00
09/25/02	71	37	0.5	0.00
10/18/02	71	22	1	10.44
11/19/02	64	22	1	3.66
12/17/02	65	22	1	1.52
01/30/03	65	22	2	0.71
02/26/03	65	22	1.25	0.00
03/25/03	65	22	1.5	0.00
04/16/03	70	0	1.5	0.89
05/28/03	70	0	1.5	1.78
06/26/03	70	0	1.5	4.45
07/22/03	70	22	1	6.23
08/18/03	70	22	1.5	2.67
09/24/03	70	20	1.5	2.67
10/22/03	15	20	1.5	4.45
11/25/03	15	20	1	0.89
12/16/03	15	20	1	1.34
01/20/04	15	20	1	0.00
02/17/04	15	20	1	0.00
03/22/04	15	20	0.2	2.670

psig = pounds-per-square-inch gauge
acfm = actual cubic feet per minute
acfh = actual cubic feet per hour

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-1S	14.24	12/21/00	79.08	No Product	4.94	74.14
		01/25/01		No Product	6.46	72.62
		02/01/01		No Product	5.46	73.62
		02/08/01		No Product	5.32	73.76
		02/15/01		No Product	5.55	73.53
		02/22/01		No Product	6.00	73.08
		03/08/01		No Product	6.04	73.04
		03/21/01		No Product	4.90	74.18
		04/03/01		NM	NM	NM
		04/18/01		No Product	5.30	73.78
		05/02/01		No Product	5.71	73.37
		06/29/01		No Product	5.47	73.61
		07/25/01		No Product	3.90	75.18
		08/20/01		No Product	3.74	75.34
		09/18/01		No Product	1.65	77.43
		10/24/01		No Product	3.69	75.39
		11/15/01		No Product	4.10	74.98
		12/17/01		No Product	4.02	75.06
		03/19/02		No Product	4.44	74.64
		06/06/02		No Product	5.70	73.38
		09/18/02		No Product	2.75	76.33
		12/15/02		No Product	3.95	75.13
		03/14/03		No Product	2.55	76.53
		06/09/03		No Product	2.40	76.68
		09/03/03		No Product	3.42	75.66
		12/11/03		No Product	5.20	73.88
		03/18/04		No Product	5.92	73.16
CEF-46-2S	13.88	12/21/00	79.08	No Product	5.02	74.06
		01/25/01		No Product	5.10	73.98
		02/01/01		No Product	5.60	73.48
		02/08/01		No Product	5.69	73.39
		02/15/01		No Product	5.67	73.41
		02/22/01		No Product	6.07	73.01
		03/08/01		No Product	6.14	72.94
		03/21/01		No Product	5.00	74.08
		04/03/01		NM	NM	NM
		04/18/01		No Product	5.41	73.67
		05/02/01		No Product	5.78	73.30
		06/29/01		No Product	6.18	72.90
		07/25/01		No Product	4.11	74.97
		08/20/01		No Product	3.19	75.89
		09/18/01		No Product	1.55	77.53
		10/24/01		No Product	3.88	75.20
		11/15/01		No Product	3.95	75.13
		12/17/01		No Product	4.26	74.82
		03/19/02		No Product	4.61	74.47
		06/06/02		No Product	5.88	73.20
		09/17/02		No Product	2.66	76.42
		12/15/02		No Product	4.02	75.06
		03/14/03		No Product	2.55	76.53
		06/05/03		No Product	3.75	75.33
		09/03/03		No Product	2.70	76.38
		12/11/03		No Product	5.04	74.04
		03/18/04		No Product	6.02	73.06

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-5I	49.65	12/21/00	79.18	No Product	5.81	73.37
		01/25/01		No Product	5.12	74.06
		02/01/01		No Product	9.21	69.97
		02/08/01		No Product	8.17	71.01
		02/15/01		No Product	7.07	72.11
		02/22/01		No Product	8.35	70.83
		03/08/01		No Product	8.26	70.92
		03/21/01		No Product	5.96	73.22
		04/03/01		NM	NM	NM
		04/18/01		No Product	6.93	72.25
		05/02/01		No Product	7.04	72.14
		06/29/01		No Product	7.45	71.73
		07/25/01		NM	Flowing	NM
		08/21/01		No Product	4.27	74.91
		09/18/01		No Product	3.16	76.02
		10/23/01		No Product	5.80	73.38
		11/15/01		No Product	6.50	72.68
		12/18/01		No Product	6.61	72.57
		03/19/02		No Product	5.08	74.10
		06/06/02		No Product	9.06	70.12
		09/18/02		No Product	4.14	75.04
		12/15/02		No Product	5.40	73.78
		03/14/03		No Product	3.40	75.78
		06/05/03		No Product	4.90	74.28
		09/03/03		No Product	6.25	72.93
		12/11/03		No Product	6.64	72.54
		03/18/04		No Product	7.89	71.29
CEF-46-6D	79.82	12/21/00	79.17	No Product	7.40	71.77
		01/25/01		NM	NM	NM
		02/01/01		NM	NM	NM
		02/08/01		No Product	11.90	67.27
		02/15/01		NM	NM	NM
		02/22/01		NM	NM	NM
		03/08/01		NM	NM	NM
		03/21/01		NM	NM	NM
		04/03/01		NM	NM	NM
		04/18/01		NM	NM	NM
		05/02/01		NM	NM	NM
		06/29/01		NM	NM	NM
		07/25/01		NM	NM	NM
		08/21/01		No Product	8.15	71.02
		09/18/01		No Product	4.75	74.42
		10/23/01		No Product	Flowing	NM
		11/15/01		No Product	8.20	70.97
		12/18/01		No Product	9.75	69.42
		03/19/02		No Product	8.85	70.32
		06/06/02		No Product	12.56	66.61
		09/18/02		No Product	4.81	74.36
		12/15/02		No Product	8.43	70.74
		03/14/03		No Product	6.50	72.67
		06/09/03		No Product	8.00	71.17
		09/03/03		No Product	5.82	73.35
		12/10/03		No Product	7.30	71.87
		03/16/04		No Product	10.60	68.57

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-7I	29.68	12/21/00	79.02	No Product	5.45	73.57
		01/25/01		NM	NM	NM
		02/01/01		NM	NM	NM
		02/08/01		NM	NM	NM
		02/15/01		NM	NM	NM
		02/22/01		No Product	7.17	71.85
		03/08/01		NM	NM	NM
		03/21/01		NM	NM	NM
		04/03/01		NM	NM	NM
		04/18/01		NM	NM	NM
		05/02/01		NM	NM	NM
		06/29/01		NM	NM	NM
		07/25/01		NM	Flowing	NM
		08/20/01		No Product	3.70	75.32
		09/18/01		No Product	1.85	77.17
		10/24/01		No Product	4.76	74.26
		11/15/01		No Product	4.52	74.50
		12/18/01		No Product	3.88	75.14
		03/19/02		No Product	5.09	73.93
		06/06/02		No Product	7.91	71.11
		09/17/02		No Product	3.31	75.71
		12/15/02		No Product	4.66	74.36
		03/14/03		No Product	3.30	75.72
		06/09/03		No Product	3.20	75.82
		09/03/03		No Product	2.80	76.22
		12/11/03		No Product	5.84	73.18
		03/18/04		No Product	7.40	71.62
CEF-46-9I	48.81	12/21/00	79.05	No Product	5.67	73.38
		01/25/01		No Product	5.91	73.14
		02/01/01		No Product	7.37	71.68
		02/08/01		No Product	6.53	72.52
		02/15/01		No Product	6.03	73.02
		02/22/01		No Product	7.51	71.54
		03/08/01		No Product	6.61	72.44
		03/21/01		No Product	5.70	73.35
		04/03/01		NM	NM	NM
		04/18/01		No Product	6.30	72.75
		05/02/01		No Product	6.52	72.53
		06/29/01		No Product	6.11	72.94
		07/25/01		No Product	4.61	74.44
		08/20/01		No Product	3.74	75.31
		09/18/01		No Product	1.93	77.12
		10/23/01		No Product	4.72	74.33
		11/15/01		No Product	4.69	74.36
		12/18/01		No Product	5.42	73.63
		03/19/02		No Product	5.20	73.85
		06/06/02		No Product	7.30	71.75
		09/17/02		No Product	3.35	75.70
		12/15/02		No Product	4.75	74.30
		03/14/03		No Product	2.55	76.50
		06/04/03		No Product	4.10	74.95
		09/03/03		No Product	3.32	75.53
		12/11/03		No Product	5.79	73.26
		03/16/04		No Product	7.20	71.85

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-12I	29.61	12/21/00	78.73	No Product	5.23	73.50
		01/25/01		No Product	6.44	72.29
		02/01/01		No Product	6.50	72.23
		02/08/01		No Product	6.71	72.02
		02/15/01		No Product	5.66	73.07
		02/22/01		No Product	6.73	72.00
		03/08/01		No Product	8.24	70.49
		03/21/01		No Product	5.20	73.53
		04/03/01		NM	NM	NM
		04/18/01		No Product	5.75	72.98
		05/02/01		No Product	5.97	72.76
		06/29/01		No Product	5.59	73.14
		07/25/01		No Product	4.14	74.59
		08/20/01		No Product	3.20	75.53
		09/17/01		No Product	1.59	77.14
		10/23/01		No Product	4.20	74.53
		11/15/01		No Product	4.10	74.63
		12/18/01		No Product	4.85	73.88
		03/18/02		No Product	4.70	74.03
		06/06/02		No Product	6.47	72.26
		09/17/02		No Product	2.77	75.96
		12/15/02		No Product	4.21	74.52
		03/14/03		No Product	2.10	76.63
		06/05/03		No Product	3.30	75.43
		09/03/03		No Product	2.90	75.83
		12/11/03		No Product	5.45	73.28
		03/18/04		No Product	6.45	72.28
CEF-46-13I	39.56	12/21/00	78.87	No Product	5.43	73.44
		01/25/01		No Product	5.86	73.01
		02/01/01		No Product	7.06	71.81
		02/08/01		No Product	6.39	72.48
		02/15/01		No Product	5.77	73.10
		02/22/01		No Product	7.15	71.72
		03/08/01		No Product	6.37	72.50
		03/21/01		No Product	5.40	73.47
		04/03/01		NM	NM	NM
		04/18/01		No Product	6.07	72.80
		05/02/01		No Product	6.23	72.64
		06/29/01		No Product	5.87	73.00
		07/25/01		No Product	4.35	74.52
		08/20/01		No Product	3.44	75.43
		09/17/01		No Product	1.75	77.12
		10/23/01		No Product	4.52	74.35
		11/15/01		No Product	4.37	74.50
		12/18/01		No Product	5.18	73.69
		03/19/02		No Product	4.95	73.92
		06/06/02		No Product	6.92	71.95
		09/17/02		No Product	3.03	75.84
		12/15/02		No Product	4.46	74.41
		03/14/03		No Product	2.31	76.56
		06/05/03		No Product	3.50	75.37
		09/03/03		No Product	3.10	75.77
		12/11/03		No Product	5.90	72.97
		03/18/04		No Product	6.85	72.02

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-14D	78.79	12/21/00	78.88	No Product	6.86	72.02
		01/25/01		No Product	4.65	74.23
		02/01/01		No Product	11.45	67.43
		02/08/01		No Product	8.84	70.04
		02/15/01		No Product	7.76	71.12
		02/22/01		No Product	8.74	70.14
		03/08/01		No Product	7.84	71.04
		03/21/01		No Product	6.96	71.92
		04/03/01		NM	NM	NM
		04/18/01		No Product	7.93	70.95
		05/02/01		No Product	7.74	71.14
		06/29/01		No Product	7.36	71.52
		07/25/01		No Product	5.47	73.41
		08/20/01		No Product	5.35	73.53
		09/17/01		No Product	3.29	75.59
		10/23/01		No Product	7.40	71.48
		11/15/01		No Product	8.32	70.56
		12/18/01		No Product	7.01	71.87
		03/19/02		No Product	7.21	71.67
		06/06/02		No Product	9.00	69.88
		09/17/02		No Product	7.65	71.23
		12/15/02		No Product	6.24	72.64
		03/14/03		No Product	4.20	74.68
		06/04/03		No Product	6.15	72.73
		09/03/03		No Product	5.15	73.73
		12/10/03		No Product	7.20	71.68
		03/16/04		No Product	8.72	70.16
CEF-46-15I	29.77	12/21/00	79.75	No Product	6.33	73.42
		01/25/01		No Product	6.99	72.76
		02/01/01		No Product	7.45	72.30
		02/08/01		No Product	7.35	72.40
		02/15/01		No Product	6.75	73.00
		02/22/01		No Product	7.75	72.00
		03/08/01		No Product	7.23	72.52
		03/21/01		No Product	6.16	73.59
		04/03/01		No Product	NM	NM
		04/18/01		No Product	6.95	72.80
		05/02/01		No Product	7.21	72.54
		06/29/01		No Product	7.15	72.60
		07/25/01		No Product	5.75	74.00
		08/20/01		No Product	4.21	75.54
		09/17/01		No Product	2.70	77.05
		10/23/01		No Product	5.29	74.46
		11/15/01		No Product	5.15	74.60
		12/18/01		No Product	5.87	73.88
		03/18/02		No Product	5.90	73.85
		06/06/02		No Product	7.51	72.24
		09/17/02		No Product	3.80	75.95
		12/15/02		No Product	5.23	74.52
		03/13/03		No Product	3.47	76.28
		06/04/03		No Product	4.54	75.21
		09/03/03		No Product	4.22	75.53
		12/10/03		No Product	6.53	73.22
		03/16/04		No Product	7.40	72.35

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-21I	29.70	12/21/00	79.33	No Product	6.02	73.31
		01/25/01		No Product	1.50	77.83
		02/01/01		No Product	7.90	71.43
		02/08/01		No Product	8.15	71.18
		02/15/01		No Product	5.02	74.31
		02/22/01		No Product	8.28	71.05
		03/08/01		NM	NM	NM
		03/21/01		NM	NM	NM
		04/03/01		NM	NM	NM
		04/18/01		NM	NM	NM
		05/02/01		NM	NM	NM
		06/29/01		NM	NM	NM
		07/25/01		NM	Flowing	NM
		08/21/01		No Product	4.15	75.18
		09/18/01		No Product	2.15	77.18
		10/24/01		No Product	5.16	74.17
		11/16/01		No Product	5.25	74.08
		12/18/01		No Product	6.03	73.30
		03/19/02		No Product	5.74	73.59
		06/07/02		No Product	8.65	70.68
		09/18/02		No Product	4.12	75.21
		12/15/02		No Product	5.52	73.81
		03/13/03		No Product	2.79	76.54
		06/05/03		No Product	4.18	75.15
		09/03/03		No Product	3.70	75.63
		12/11/03		No Product	7.50	71.83
		03/18/04		No Product	8.35	70.98
CEF-46-24D	90.45	12/21/00	78.74	No Product	7.30	71.44
		01/25/01		No Product	8.20	70.54
		02/01/01		No Product	11.45	67.29
		02/08/01		No Product	10.87	67.87
		02/15/01		No Product	8.91	69.83
		02/22/01		No Product	9.39	69.35
		03/08/01		No Product	9.40	69.34
		03/21/01		No Product	7.25	71.49
		04/03/01		NM	NM	NM
		04/18/01		No Product	8.15	70.59
		05/02/01		NM	NM	NM
		06/29/01		NM	NM	NM
		07/25/01		No Product	5.93	72.81
		08/21/01		No Product	5.82	72.92
		09/18/01		No Product	3.40	75.34
		10/24/01		No Product	7.35	71.39
		11/16/01		No Product	6.50	72.24
		12/18/01		No Product	7.24	71.50
		03/19/02		No Product	6.71	72.03
		06/07/02		No Product	10.69	68.05
		09/18/02		No Product	5.50	73.24
		12/15/02		No Product	6.94	71.80
		03/14/03		No Product	13.78	64.96
		06/05/03		No Product	6.40	72.34
		09/03/03		No Product	4.97	73.77
		12/10/03		No Product	7.40	71.34
		03/16/04		No Product	8.95	69.79

TABLE 2-5
GROUNDWATER MONITORING WELL - WATER LEVEL & FREE PRODUCT DATA

BUILDING 46 NUTRIENT INJECTION SYSTEM
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-46-25I	50.45	12/21/00	79.17	No Product	6.25	72.92
		01/25/01		No Product	5.55	73.62
		02/01/01		No Product	8.26	70.91
		02/08/01		No Product	7.87	71.30
		02/15/01		No Product	9.05	70.12
		02/22/01		No Product	8.56	70.61
		03/08/01		No Product	8.70	70.47
		03/21/01		No Product	6.00	73.17
		04/03/01		NM	NM	NM
		04/18/01		No Product	7.19	71.98
		05/02/01		No Product	7.04	72.13
		06/29/01		No Product	6.90	72.27
		07/25/01		No Product	4.86	74.31
		08/21/01		No Product	3.92	75.25
		09/18/01		No Product	1.92	77.25
		10/24/01		No Product	4.82	74.35
		11/16/01		No Product	4.84	74.33
		12/18/01		No Product	5.61	73.56
		03/19/02		No Product	5.43	73.74
		06/07/02		No Product	8.41	70.76
		09/18/02		No Product	3.79	75.38
		12/15/02		No Product	5.20	73.97
		03/13/03		No Product	2.49	76.68
		06/04/03		No Product	3.98	75.19
		09/03/03		No Product	3.50	75.67
		12/10/03		No Product	5.98	73.19
		03/16/04		No Product	8.30	70.87
CEF-46-26I	47.76	12/21/00	79.43	No Product	7.09	72.34
		01/25/01		No Product	5.89	73.54
		02/01/01		No Product	9.45	69.98
		02/08/01		No Product	8.12	71.31
		02/15/01		No Product	8.77	70.66
		02/22/01		No Product	8.73	70.70
		03/08/01		No Product	8.47	70.96
		03/21/01		No Product	6.40	73.03
		04/03/01		NM	NM	NM
		04/18/01		No Product	7.40	72.03
		05/02/01		No Product	7.32	72.11
		06/29/01		NM	NM	NM
		07/25/01		No Product	5.21	74.22
		08/21/01		No Product	4.27	75.16
		09/18/01		No Product	2.21	77.22
		10/24/01		No Product	5.16	74.27
		11/16/01		No Product	5.21	74.22
		12/18/01		No Product	6.02	73.41
		03/19/02		No Product	5.84	73.59
		06/06/02		No Product	8.92	70.51
		09/18/02		No Product	4.16	75.27
		12/15/02		No Product	5.55	73.88
		03/14/03		No Product	3.82	75.61
		06/05/03		No Product	4.30	75.13
		09/03/03		No Product	3.73	75.70
		12/11/03		No Product	6.65	72.78
		03/18/04		No Product	8.05	71.38

BGS = Below Ground Surface
NM = Not Measured
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

3.0 Summary of Sampling and Laboratory Analytical Results

3.1 Data Validation

A cursory review of quality control data was performed. This review evaluated data completeness, holding time compliance, laboratory blank contamination, and detection limits. The validation process results in qualifiers that are shown with the analyte concentrations in **Table 3-2**. As a result of toluene detections in the equipment blank (EB-BLDG 46), toluene data were rejected for groundwater sampled from monitoring well CEF-46-26I, and -7I.

3.2 Soil Monitoring

Soil screening and sampling was conducted on March 18, 2004. Three soil borings, labeled as SB-1, SB-2, and SB-14, were installed in the soil contamination area identified during the site assessment. Soil samples were collected for laboratory analysis at 8 feet below land surface (bls) from boring SB-1 and SB-2 and from 4 feet bls from SB-14. Soil screening using an Organic Vapor Analyzer was not performed due to an equipment malfunction. The water table was encountered at 8 feet bls.

The laboratory soil samples were analyzed for BTEX and MTBE using United States Environmental Protection Agency (EPA) Method 8021B, Naphthalene and Polycyclic Aromatic Hydrocarbons (PAH) using EPA Method 8270C-SIM, and Total Recoverable Petroleum Hydrocarbons (TRPH) using the Florida Petroleum Residual Organic (FL PRO) Method. The results from the soil screenings are as follows:

- Soil sample results collected on March 18, 2004 from soil borings SB-1, SB-2, and SB-14 indicated decreasing concentrations of BTEX, MTBE, naphthalene, and TRPH in comparison to the baseline soil-sampling event conducted during the first quarter of 2001 on January 4.
- Soil sample results from soil boring SB-1 indicated xylene concentrations that exceed the Leachability and/or Direct Exposure Residential Soil Cleanup Target Levels (SCTLs) per Chapter 62-777 FAC.
- Soil sample results from soil boring SB-2 indicate ethyl benzene and xylene concentrations that exceed SCTLs.

The locations of the soil borings are shown on **Figure 1-1**. Copies of the analytical laboratory report from the soil-sampling event are provided in **Appendix A**, and analytical results are summarized on **Table 3-1**.

3.3 Groundwater Monitoring

Groundwater from fourteen monitoring wells (designated as: CEF-46-1S, CEF-46-2S, CEF-46-5I, CEF-46-6D, CEF-46-7I, CEF-46-9I, CEF-46-12I, CEF-46-13I, CEF-46-14D, CEF-46-15I, CEF-46-21I, CEF-46-24D, CEF-46-25I, and CEF-46-26I0) was sampled during the first quarter 2004 monitoring period on March 16 and March 18, 2004. The samples were analyzed for BTEX and MTBE using EPA Method 8021B, naphthalene and PAH using EPA Method 8270C-SIM, TRPH using FL PRO Method, nitrate and nitrite using EPA Method 300.0, and phosphate using EPA method 365.2. The baseline-sampling event, conducted December 20, 2000, revealed that samples from seven of the 14 wells had contaminant-concentrations above the Groundwater Cleanup Target Levels (GCTL) per Chapter 62-777 FAC. For the first quarter of 2004, the results of the groundwater-treatment are as follows:

- Laboratory reports indicated groundwater sampled from seven wells (CEF-46-1S, -2S, -5I, -7I, -12I, -13I and -26I) had contaminant concentrations exceeding the GCTL.
- Groundwater sample results from all monitoring wells with historically high concentrations of BTEX (CEF-46-1S, -2S, -5I, -7I, and -26I) indicated decreased concentrations of BTEX in comparison to the baseline sampling event.
- BTEX concentrations have decreased in groundwater sampled from monitoring wells -1S and -7I, increased in groundwater sampled from monitoring wells -2S, -5I, and -26I, and remained nondetect in the remaining nine (9) monitoring wells in comparison to the December 2003 sampling event.
- Groundwater sample results indicated MTBE concentrations have decreased in groundwater sampled from monitoring wells -7I, -9I, -13I, and -14D, increased in groundwater sampled from monitoring wells -1S, -2S, 5I, -12I, and -26I, and remained nondetect in groundwater sampled from the remaining five (5) monitoring wells in comparison to the baseline sampling event.
- MTBE concentrations have decreased in groundwater sampled from monitoring wells -5I, -7I, and 13I, increased in groundwater sampled from monitoring wells -1S, -2S, -12I, -14D, and -26I, and remained nondetect in the remaining six (6) monitoring wells in comparison to the December 2003 sampling event.
- Groundwater sample results indicated that naphthalene concentrations have decreased in monitoring wells -1S, -2S, -5I, -6D, -7I, and -13I, and remained nondetect in seven (7) monitoring wells in comparison to the baseline sampling event.
- Naphthalene concentrations have decreased in groundwater sampled from monitoring wells -7I, -9I, and -13I, increased in groundwater sampled from monitoring wells -1S, -2S, and -26I, and remained nondetect in groundwater sampled from the remaining eight (8) monitoring wells in comparison to the December, 2003 sampling event.
- Groundwater sample results indicated that TRPH concentrations have decreased in groundwater sampled from monitoring wells -1S, -2S, and -7I, and remained nondetect in groundwater sampled from 9 monitoring wells in comparison to the baseline sampling event.

- TRPH concentrations have decreased in groundwater sample from monitoring wells -1S, -2S, -5I, -7I, and -26I, and remained nondetect in groundwater sampled from the remaining 9 monitoring wells in comparison to the December 2003 sampling event.

The locations of the monitoring wells are shown on **Figure 1-1**. Copies of the analytical laboratory reports from the groundwater sampling-events are provided in **Appendix B**, and analytical results are summarized on **Table 3-2**.

Field analytical tests were performed on groundwater samples from each of the monitoring wells during each sampling-event. The groundwater was tested for pH, conductivity, temperature, dissolved oxygen, carbon dioxide, alkalinity, ferrous iron, and hydrogen sulfide. The results from the field analytical tests are summarized on **Table 3-3**.

TABLE 3-1
SOIL ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Soil Boring Number	Sample Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	1-Methylnapthalene	2-Methylnaphthalene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	TRPH (mg/kg)
SB-1	01/04/01	<0.9	65	14	390	469	3.1	73	<0.18	<1.8	1.235	0.67	<0.18	0.179	--	--	0.039	<.018	0.48	0.02	0.0243	0.0102	0.0063	<0.018	<0.018	9900
	06/27/01	0.61	34	9.1	110	153.71	<0.0012	1.4	<0.18	0.16	0.15	0.15	<0.18	0.051	--	--	0.012	0.022	0.19	0.012	0.013	0.0056	0.0073	<0.018	0.0049	150
	09/20/01	0.65	6.1	0.69	40	47.44	<0.15	8.8	<0.2	<0.2	<0.2	0.28	<0.2	0.11	--	--	0.019	<0.02	0.15	0.034	0.026	0.018	0.011	0.026	0.024	1500
	12/12/01	0.069	0.13	0.013	0.55	0.762	0.0084	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	19
	03/07/02	3	67	7.1	200	277.1	<1.2	23	<0.19	<0.19	<0.19	0.27	<0.19	0.057	--	--	0.0057	0.023	0.26	<0.019	<0.19	0.0053	<0.019	<0.019	<0.019	1600
	06/20/02	0.15	7.9	0.82	27	35.87	<.11	5.2	<0.18	<0.18	0.92 J	0.086 J	<0.18	0.024 J	--	--	<0.018	<0.018	0.04	<0.018	<0.018	.0035 J	.0038 J	<0.018	<0.018	180
	09/26/02	2.17	97.7	10.7	532	642.57	<1.19	21.1	<0.20	<0.20	<0.20	0.27 J	<0.20	0.054 J	--	--	0.017 J	0.032 J	<0.020	0.015 J	0.022 J	<0.020	<0.020	0.017 J	0.012 J	800
	12/13/02	0.153	4.17	0.406	27.8	32.5	<0.166	2.84	<0.68	<0.68	<0.143	<0.0436	<0.0449	0.0517	<1.02	3.02	0.0251	<0.00885	<0.0102	<0.0122	<0.0116	<0.0068	<0.0292	<0.0204	<0.0517	151
	03/15/03	<0.034	0.155	<0.034	0.794	0.949	<0.169	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	0.089	0.132	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	65.3
	06/09/03	0.1869	1.526	0.2224	3.082	5.017	<0.252	0.0805	0.00432	0.00864	0.0755	0.0502	0.0176	0.00943	0.62	0.976	0.0118	<0.00393	<0.00393	<0.00393	<0.00393	<0.00393	<0.00393	<0.00393	<0.00393	27.7
	09/04/03	0.0226	1.8	0.043	1.48	3.346	0.011	0.231	<0.0033	0.00561	0.0531	0.0182	0.00528	0.00561	0.615	0.985	0.0066	<0.0033	<0.0033	0.00462	0.00363	0.0066	0.00825	0.0033	0.00924	34.6
	12/11/03	0.486	1.11	0.572	12	14.168	0.228	2.11	<0.0033	0.0099	0.0356	0.0238	0.0191	0.0158	1.72	2.9	0.0122	<0.0033	<0.0033	0.0102	0.00726	0.0142	0.0116	<0.0033	<0.00957	154
	03/18/04	0.0021	0.0597	0.0218	0.333	0.417	<0.006	0.277	<0.00398	<0.00398	0.0131	0.0123	<0.00398	0.00796	0.322	0.704	<0.00398	<0.00398	<0.00398	<0.00398	<0.00398	<0.00398	<0.00398	<0.00398	<0.00398	12.3
SB-2	01/04/01	7.1	120	10	610	747.1	3.8	38.5	<0.18	<0.18	0.515	0.66	<0.18	0.173	--	--	0.044	0.0425	<0.018	0.01685	0.02945	0.0215	<0.018	<0.018	0.0255	3900
	06/27/01	1.4	57	47	420	525.4	<0.0011	0.84	0.17	1	0.46	0.59	0.086	0.21	--	--	0.046	0.077	0.071	0.026	0.037	0.019	0.0072	<0.019	0.0091	1300
	09/20/01	0.51	32	6	290	328.51	<0.12	7.4	<0.2	2.1	<0.20	0.58	<0.2	0.2	--	--	0.049	0.076	0.16	0.026	<0.020	0.02	<0.020	<0.020	<0.020	430
	12/12/01	<11	99	110	620	829	<11	34	<0.2	0.12	0.38	0.23	<0.2	0.043	--	--	0.018	0.017	0.15	0.01	0.0066	0.007	<0.020	0.0081	0.015	1800
	03/07/02	1.7	38	24	430	493.7	<1	24	<0.19	<0.19	<0.19	0.47	<0.19	0.085	--	--	0.012	0.049	<0.019	0.027	0.051	0.026	0.051	<0.019	0.015	2000
	06/20/02	0.14	2.8	6	72	80.94	<.12	11	<0.17	<0.17	<0.17	0.2	0.1 J	0.065 J	--	--	0.015 J	0.028 J	0.075	0.013 J	0.018 J	0.010 J	<0.017	<0.017	<0.017	550
	09/26/02	0.746 J	9.15	22	274	305.15	<1.2	20.5	<0.19	<0.19	<0.19	0.99	<0.19	0.17 J	--	--	0.060 J	0.12 J	<0.019	0.030 J	0.042 J	0.029	0.0079 J	0.032 J	0.016 J	970
	12/13/02	<0.611	8.01	12.8	80.7	101.51	<3.06	9.98	<0.661	<0.661	<0.139	0.0582	<0.0436	<0.0139	2.13	9.78	0.0906	<0.00859	<0.00991	<0.0119	<0.0112	<0.00661	<0.0284	<0.0198	<0.0502	428
	03/15/03	1.32	43.1	31.1	322	398	<0.532	10.7	<0.066	0.079	<0.066	0.317	0.066	<0.066	7.59	12.9	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	997
	06/09/03	0.4545	11.07	0.4463	75.58	88	<0.413	11.2	0.033	0.0632	0.136	0.206	0.058	0.0333	7.06	12	0.0425	0.00953	0.0123	0.0107	0.00556	0.0111	0.0107	<0.00397	0.0115	288
	09/04/03	0.717	18.6	3.05	115	137	<0.466	10.7	0.0304	0.0544	0.108	0.141	0.0403	0.0188	5.99	9.95	0.0224	0.00825	0.00528	<0.0033	<0.0033	0.00627	<0.0033	<0.0033	0.00528	453
	12/11/03	0.0442	14.9	10.4	192	217	0.008	39.2	0.109	0.17	0.311	0.414	0.117	0.0696	21.1	39.5	0.101	0.0459	0.0221	0.0191	0.0122	0.0284	0.0158	<0.0033	0.0188	1010
	03/18/04	0.0028	1.46	0.0389	6.52	8.0217	0.015	1.1	0.0253	<0.00422	0.0611	0.0769	<0.00422	0.011	1.65	2.93	0.0143	<0.00422	<0.00422	<0.00422	<0.00422	<0.00422	<0.00422	<0.00422	<0.00422	48.2
SB-3	01/04/01	0.00038	<0.0011	<0.0011	<0.0033	0.00038	<0.0011	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.018	--	--	<0.018	<0.018	0.0305	0.00805	0.0035	0.00745	<0.018	<0.018	<0.018	16
	06/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/07/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/20/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-13	01/04/01	0.0011	<0.0012	<0.0012	<0.0036	0.0011	<0.0012	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.075	--	--	0.0715	0.078	0.13	0.145	0.0665	0.11	0.055	0.0815	0.1025	25
	06/27/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/07/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/20/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14	01/04/01	<0.001	<0.001	0.011	0.0077	0.0187	0.0081	0.23	<0.18	<0.18	<0.18	<0.18	<0.18	<0.018	--	--	<0.018	<0.018	0.785	0.0145	0.008	0.0115	0.0075	0.0101	0.016	43
	06/27/01	0.1	0.16	<0.0011	0.15	0.41	0.015	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	0.014	--	--	<0.019	<0.019	0.44	0.0059	0.0072	0.019	<0.019	0.023	<0.019	270
	09/20/01	0.0025	0.0025	0.002	0.0024	0.0094	<0.0012	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.020	--	--	<0.020	<0.020	0.32	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	55
	12/12/01	0.11	0.18	0.014	0.71	1.014	0.012	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.019	--	--	<0.019	<0.019	0.058	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	65
	03/07/02	0.054	0.045	<0.0011	0.032	0.131	0.0021	0.56	<0.19	<0.19	<0.19	<0.19	<0.19	0.011	--	--	<0.019	<0.019	1.2	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	120
	06/20/02	<0.11	110 J	<0.11	110 J	220	<0.11	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.018	--	--	<0.018	<0.018	1.4 J	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	23
	09/26/02	<0.001	0.0288	<0.001	0.0321	0.0609	0.00268	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	0.011 J	--	--	0.0099 J	<0.019	0.38 J	0.03	0.018 J	0.062 J	<0.019	0.059 J	<0.019	117
	12/13/02	<0.125	0.402	0.602	0.602	1.606	<0.314	<2.08	<2.08	<2.08	<0.439	<1.34	<1.38	<0.439	<3.14	<3.14	<0.565	<0.271	<0.314	<0.376	<0.355	<0.208	<0.898	<0.627	<1.59	192
	03/15/03	0.138	0.823	0.087	0.966	2.01	<0.140	0.185	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	0.228	0.429	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	51.2
	06/09/03	0.0099	0.1241	0.02	0.1563	0.31	0.006	6.2	0.0334	0.0645	0.137	0.154	0.0523	0.0556	6.15	10.8	0.0499	0.0277	0.0265	0.0319	0.0242	0.0292	0.0292	0.013	0.0299	413
	09/04/03	0.0046	0.0045	0.0061	0.0083	0.0235	<0.005	0.553	<0.0033	<0.0033	0.00627	0.00594	<0.0033	<0.0033	0.353	0.543	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	0.00627	54.5
	12/11/03	0.0147	0.0016	0.0011	0.0055	0.0229	<0.005	1.01	0.0155	<0.0033	0.00891	0.00759	0.0132	0.0287	0.49	0.795	0.0337	0.0234	0.0191	0.0241	0.0241	0.0419	0.0333	0.0162	0.0376	126
	03/18/04	0.0012	0.0063	0.0019	0.0027	0.0121	<0.006	0.0085	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	0.00628	0.0144	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	0.0103	20.7
Direct Exposure Residential[1]		1.1	1100	380	5900	n/a	3200	40	1100	1900	2200	2000	18000	2900	68	80	2200	1.4	140	1.4	15	0.1	1.5	0.1	2300	340
Leachability from GW Criteria[1]		0.007	0.6	0.5	0.2	n/a	0.2	1.7	27	2.1	160	250	2500	1200	2.2	6.1	880	3.2	77	10	25	8	28	30	32000	340

All values reported in mg/kg
1 = Ch 62-777 F.A.C Soil Cleanup Target Levels (SCTL) reported in mg/kg
Highlighted values indicate compounds that exceed the SCTL or the Leachability Criteria

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-1S	12/21/00	13000	2900	40000	19000	74900	NA	550	N/A	N/A	1.4	<1.1	0.98	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.085 J	0.15	<1	23000
	01/25/01	0.28	0.44	1.4	3.2	5.32	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	0.20	0.25	290
	02/01/01	9900	2300	33000	18000	63200	300	490	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	0.20	<1.0	40000
	02/08/01	10000	2900	42000	21000	75900	<500	510	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	0.11	<1.0	55000
	02/15/01	9000	2400	34000	18000	63400	<1000	430	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	0.11	<1	74000
	02/22/01	8900	2300	34000	17000	62200	<1000	600	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	0.19	<1.0	5000
	03/08/01	11000	2900	41000	20000	74900	<500	450	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	56000
	03/21/01	11000	2600	40000	19000	72600	<1000	440	120	150	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	37000
	04/03/01	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
	04/18/01	9500	2500	39000	20000	71000	<1000	470	41	130	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	53000
	05/02/01	9900	2800	39000	21000	72700	<1000	420	38	130	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	0.076	<1.0	44000
	06/29/01	2700	930	15000	12000	30630	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	26000
	07/25/01	210	150	1300	1600	3260	<10	36	5.9	21	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	<1.0	2900
	08/20/01	1200	590	6900	6300	14990	520	340	43	120	<1.0	62	17	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.17	<0.40	<1.0	32000
	09/18/01	2100	1200	13000	11000	27300	230	400	61	130	<1.1	<1.1	1.3	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	55000
	10/24/01	2000	1500	16000	15000	34500	190	510	68	110	<1.0	<1.1	1.5	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	0.41	<1.0	63000
	11/15/01	2000	1600	17000	17000	37600	160	490	60	100	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	48000
	12/17/01	2000	1600	18000	13000	34600	190	490	48	170	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	51000
	03/19/02	1480	1460	14500	16400	33840	564	637	54.6	201	<1.1	95.7	28.1	<1.1	<1.1	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	47500
	06/06/02	970	1300	10000	12000	24270	720	180	65	190	<1.0	25	18	0.3 J	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.11 J	0.12 J	<1.0	46000
	09/18/02	262	541	1170	5760	7733	542	180	19	52	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	15300
	12/13/02	534	994	1840	6940	10308	726	781	<100	233	<100	<100	<50.0	<50.0	<1.00	<0.40	<0.40	<0.20	<0.20	<0.20	<0.28	<0.20	<0.40	<0.40	<0.40	<0.10	<0.10	<0.1000	69300
	03/14/03	592	1160	1190	4580	7522	619	496	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<0.100	0.15	<0.100	77000
	06/09/03	262	626	318	1070	2276	511	947	136	162	<0.10	0.29	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	33200
	09/03/03	350	735	575	2920	4580	365	661	133	126	<0.10	0.45	0.26	0.48	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	38300
	12/11/03	430	982	1410	3540	6362	432	501	89	117	<0.10	0.26	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.100	39600
	03/18/04	401	741	1160	2280	4582	486	508	61.5	98.5	<0.10	0.24	<0.10	0.18	0.27	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	16200
CEF-46-2S	12/21/00	300	72	51	200	623	NA	230	N/A	N/A	<1.1	5.5	3.1	0.35	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.4	0.22	3100
	01/25/01	7.3	0.96	1.5	3.3	13.06	7.1	11	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.083	<0.40	<1.0	540
	02/01/01	93	28	150	71	342	9.9	18	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	860
	02/08/01	230	67	390	180	867	<5.0	13	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	1400
	02/15/01	360	88	630	270	1348	7.5	32	N/A	N/A	<1.1	26	3.1	2.0	2.3	0.51	0.6	0.68	0.65	0.58	0.33	0.63	0.53	0.55	0.73	<0.60	<0.40	<1.0	2100
	02/22/01	340	88	610	260	1298	10	19	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	1900
	03/08/01	390	76	440	160	1066	10	37	N/A	N/A	<1.0	29	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	1700
	03/21/01	49	5.4	16	8.4	78.8	<1.0	<1.0	<1.0	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	04/03/01	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
	04/18/01	90	12	19	9.5	130.5	12	72	2.9	4.7	<1.0	34	3.7	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	1400
	05/02/01	760	180	730	520	2190	23	78	3.8	8.3	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<6.0	<4.0	<10	1900
	06/29/01	1600	170	23	160	1953	39	<1.0	<1.0	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NS	NS	NS	1100
	07/25/01	1100	310	40	520	1970	54	27	2.3	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	<1.0	980
	08/20/01	730	160	12	220	1122	56	17	1	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	1300
	09/18/01	21	7.6	2.4	2.7	33.7	32	0.94	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	360
	10/24/01	120	110	4.4	40	274.4	50	3.4	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	1.2	1000
	11/15/01	8.2	4.1	<1.0	5.1	17.4	60	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	550
	12/17/01	39	82	<1.0	21	142	51	1.5	<1.1	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	920
	03/19/02	2.95	3.13	<1.0	3.11	9.19	104	0.544	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	404
	06/06/02	7.1	9.1	<1.0	12	28.2	200	4.8	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	500
	09/17/02	<0.5	<0.5	<0.5	<0.5	0	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	0.074	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.29	488
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	91.7	<1.04	<1.04	<1.04	<1.04	<1.04	<0.52	<0.52	<0.52	<0.21	<0.21	<0.10	<0.10	<0.10	<0.15	<0.10	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	952
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	156	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.100	<0.100	1370
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	54.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	339
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	21.3	0.24	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	339
	12/11/03	<1.00	<1.0	<1.0	<3.0	<1.0	21.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.100	796
	03/18/04	12.4	<1.0	<1.0	3.7	16.1	24.3	1.4	0.16	0.21	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	436

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-5I	12/21/00	850	38	13	150	1051	NA	1.6	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<550
	01/25/01	180	7.4	3.1	31	221.5	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	02/01/01	240	12	5.3	64	321.3	5.2	0.43	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	<530
	02/08/01	48	2.3	0.82	12	63.12	<1.0	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	300
	02/15/01	37	<1.0	0.59	7.3	44.89	<1.0	6.5	N/A	N/A	<1.0	2.7	2.2	3.3	3.7	0.66	0.59	0.73	0.86	0.60	0.34	0.64	0.52	0.50	0.67	<0.60	<0.40	<1.0	210
	02/22/01	53	2.7	0.94	7.7	64.34	2.1	0.52	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	330
	03/08/01	64	2.9	0.53	5.5	72.93	<1.0	0.45	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	400
	03/21/01	0.13	<1.0	<1.0	<1.0	0.13	<1.0	0.52	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	04/03/01	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
	04/18/01	32	1.2	<1.0	4.8	38	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	05/02/01	14	0.66	0.64	2.2	17.5	1.4	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	<530
	06/28/01	<1.0	<1.0	1.5	9.5	11	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	0.8	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.16	<0.40	<1.0	310
	07/25/01	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
	08/21/01	<1.0	1.6	3.9	20	25.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.74	<540
	09/18/01	1.2	2.3	5.7	30	39.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	10/23/01	0.91	2.2	4.3	22	29.41	<1.0	<1.2	<1.2	<1.2	<1.0	<1.2	<1.2	<1.2	<1.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.89	<0.40	<1.0	750
	11/15/01	3.4	7.8	19	66	96.2	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<6.0	<4.0	<10.0	<510
	12/18/01	2.9	8.5	19	74	104.4	1.1	<1.0	<1.0	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	3.4	<1.0	<520
	03/19/02	<1.0	2.37	2.06	51.3	55.73	1.71	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.661	7.71	<1.0	<540
	06/06/02	<1.0	2.1	2.4	43	47.5	<1.0	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.661	7.71	<1.0	<500
	09/18/02	<0.5	<0.5	<0.5	13.2	13.2	<0.5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<12	<8	<20	776
	12/13/02	<1.0	<1.0	<1.0	6.0	6.0	<1.0	<1.11	<1.11	<1.11	<1.11	<1.11	<0.56	<0.56	<0.56	<0.22	<0.22	<0.11	<0.11	<0.11	<0.16	<0.11	<0.22	<0.22	<0.22	<0.50	<0.50	0.1320	<200
	03/14/03	<1.0	<1.0	<1.0	9.0	9.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.35	3.92	<200
	06/05/03	<1.00	<1.0	<1.0	5.2	5.2	4.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.282	<106
	09/03/03	<1.00	<1.0	<1.0	6.6	6.6	66.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	0.965	333
	12/11/03	<1.00	<1.0	<1.0	4.1	4.1	70	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	1.31	456
	03/18/04	1.4	<1.0	1.1	3.9	6.4	28.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.600	<0.60	<0.100	242
CEF-46-6D	12/21/00	2.8	9.9	6	18	36.7	NA	3.5	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	0.22	<560
	02/08/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	02/15/01	<1.0	0.41	0.59	5.0	6	<1.0	0.55	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<540
	02/22/01	<1.0	<1.0	<1.0	1.9	1.9	<1.0	0.46	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	03/07/01	<1.0	0.55	0.39	2.8	3.7	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.60	<0.60	<520
	03/21/01	69	2.3	0.62	4.2	76.1	<1.0	1.7	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.60	<0.40	<1.0	<520
	04/03/01	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
	04/18/01	<1.0	0.26	<1.0	0.85	1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	05/02/01	0.27	<1.0	0.43	1.3	2.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	<520
	06/28/01	<1.0	<1.0	<1.0	3.1	3.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	07/25/01	<1.0	<1.0	2.1	7.8	9.9	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.61	<0.40	<1.0	<520
	08/21/01	<1.0	1.2	1.6	11	13.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	09/18/01	0.82	1.4	2.3	12	16.5	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NA	NA	NA	<520
	10/23/01	0.54	0.89	1.7	7.7	10.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	11/15/01	1.7	3.2	6.9	24	35.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.21	<0.20	<0.20	<0.21	<0.20	<0.20	<0.21	<6.0	<4.0	<10.0	<520
	12/18/01	<1.0	<1.0	0.84	4.1	4.94	<1.0	<1.1	<1.0	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	03/19/02	0.982	2.6	2.18	31.7	37.5	<1.0	0.886	<1.0	<1.0	<1.0	<1.0	<1.0	0.955	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<550
	06/06/02	<1.0	<1.0	<1.0	4.5	4.5	<1.0	0.92 J	<1.0	<1.0	<1.0	<1.0	<1.0	0.955	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.21	<0.60	<0.40	<1.0	<500
	09/18/02	<0.5	0.907	<0.5	9.05	10.0	0.961	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<12	<8	<20	840
	12/13/02	<1.0	<1.0	<1.0	2.8	2.8	<1.0	<1.11	<1.11	<1.11	<1.11	<1.11	<0.56	<0.56	<0.56	<0.22	<0.22	<0.11	<0.11	<0.11	<0.16	<0.11	<0.22	<0.22	<0.22	<0.50	<0.50	4.9900	<200
	03/14/03	<1.0	<1.0	<1.0	6.0	6.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.270	4.61	274
	06/09/03	<1.00	<1.0	<1.0	8.7	8.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.674	<200
	09/03/03	<1.00	<1.0	<1.0	3.3	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.31	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.300	<0.30	5.81	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.100	0.33	1.34	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.500	<1.00	<0.100	<100

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-7I	12/21/00	9100	2800	17000	15000	43900	NA	260	N/A	N/A	0.86	<1.1	0.7	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	13000
	02/22/01	6500	1400	10000	7900	25800	6100	120	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	17000
	03/07/01	7500	1900	12000	10000	31400	5000	170	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	<1.0	16000
	03/21/01	4400	1100	7300	6200	19000	3100	180	5.4	39	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	<1.0	15000
	04/03/01	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
	04/18/01	3400	730	3900	4400	12430	6100	200	6.1	22	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	6400
	05/02/01	5900	1200	7300	6700	21100	17000	78	1.7	14	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<120	<80	<200	5500
	06/29/01	1100	190	590	1200	3080	5000	24	<1.0	<1.0	<1.0	2.4	0.6	<1.0	<1.0	<0.20	0.74	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	NS	NS	3000
	07/25/01	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
	08/20/01	3900	780	6000	5300	15980	6700	68	1.5	20	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	<1.0	5400
	09/18/01	4600	1100	7700	4600	18000	4200	96	2.8	23	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NA	NA	NA	10000
	10/24/01	1100	240	1600	1600	4540	3700	14	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	3.7	3000
	11/15/01	3900	860	2800	5000	12560	3100	160	<1.0	11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	5600
	12/18/01	500	96	540	680	1816	2600	9.7	<1.1	0.53	<1.0	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	1900
	03/19/02	592	116	535	841	2084	4700	9.67	<1.0	3.36	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.15	<0.4	<1.0	1060
	06/06/02	95	<50	53	140	288	4300	5.1	<1.0	3.36	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.15	<0.4	<1.0	650
	09/17/02	432	86.6	90.2	484	1092.8	3640	9.8	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	950
	12/13/02	1330	218	232	1010.0	2790.0	3380	52.0	6.97	11.5	<1.05	1.26	<0.53	<0.53	<0.53	<0.21	<0.21	<0.11	<0.11	<0.11	<0.15	<0.11	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	2550
	03/14/03	945	150	86.5	904	2086	4380	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	<0.100	5480
	06/09/03	678	123	51.6	752	1604.6	4190	32.4	0.42	0.24	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.100	4080
	09/03/03	832	158	<10.0	697	1687.0	5140	123	6.12	7.92	<0.10	<0.10	0.14	0.47	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	2530
	12/11/03	734	111	5	290	1140.0	5820	96.2	4.76	6.28	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	5410
	03/18/04	386	66	8.5 ?	414	874.5	3460	2.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	1900
CEF-46-9I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<570
	01/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	1.3	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/01/01	<1.0	<1.0	<1.0	0.15	0.15	<1.0	0.45	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	0.088	<0.21	0.084	0.13	0.15	0.081	0.19	0.099	<0.60	<0.40	<1.0	<520
	02/07/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.87	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/14/01	<1.0	0.17	<1.0	0.57	0.74	1.1	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.93	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<540
	03/08/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.87	0.75	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	210
	03/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.94	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	04/03/01	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
	04/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<510
	05/02/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.82	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	<1.0	<530
	06/28/01	<1.0	<1.0	<1.0	<1.0	<4.0	1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	0.37	<500
	07/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.61	<0.40	<1.0	<520
	08/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	<1.0	330
	09/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	3.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NA	NA	NA	<520
	10/23/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.59	<1.1	<1.1	<1.1	<1.0	<1.0	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	0.9	<0.40	<1.0	<540
	11/15/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	<520
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	03/19/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.0	<1.0	<1.1	<1.1	<1.1	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.21	0.155	<0.40	<1.0	<530
	06/06/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	09/17/02	<0.5	<0.5	<0.5	<0.5	0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	623
	12/13/02	<1.0	<1.0	<1.0	<1.0	0.0	<1.0	<1.05	<1.05	<1.05	<1.05	<1.05	<0.53	<0.53	<0.53	<0.21	<0.21	<0.11	<0.11	<0.11	<0.15	<0.11	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	<200
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.170	<0.100	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.30	0.411	<211
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.100	<0.30	<0.100	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.100	0.180	0.308	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.300	<0.30	<0.100	<111

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-12I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<530
	01/24/01	<1.0	<1.0	<1.0	<1.0	<4.0	14	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	02/01/01	<1.0	<1.0	<1.0	<1.0	<4.0	13	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	02/07/01	<1.0	0.13	<1.0	0.41	0.54	19	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/14/01	<1.0	<1.0	<1.0	<1.0	<4.0	14	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	02/21/01	0.15	0.14	0.3	0.55	1.14	15	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	03/08/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	03/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	04/03/01	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
	04/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	05/01/01	<1.0	<1.0	<1.0	<1.0	<4.0	15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	06/28/01	<1.0	<1.0	<1.0	<1.0	<4.0	12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	07/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	2	<0.40	<1.0	320
	08/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	09/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	7.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	10/23/01	<1.0	<1.0	<1.0	<1.0	<4.0	13	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<0.20	<0.22	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	0.21	<0.40	<1.0	<530
	11/15/01	<1.0	<1.0	<1.0	<1.0	<4.0	17	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	12	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<560
	03/18/02	<1.0	<1.0	<1.0	<1.0	<4.0	5.78	<1.1	<1.0	<1.1	<1.0	<1.0	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	06/06/02	<1.0	<1.0	<1.0	<1.0	<4.0	2.8	<1.1	<1.0	<1.1	<1.0	<1.1	<1.1	0.59 J	<1.1	0.84	0.77	0.32	0.3	0.32	0.14 J	0.3	.15 J	.18 J	0.1 J	<0.60	<0.40	<1.0	<500
	09/17/02	<0.5	<0.5	<0.5	<0.5	0	<0.5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.11	<0.40	<1.0	564
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.00	<2.00	<2.00	<2.00	<2.00	<1.00	<1.00	<1.00	<0.40	<0.40	<0.20	<0.20	<0.20	<0.28	<0.20	<0.40	<0.40	<0.40	<0.10	<0.10	<0.1000	<200
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	<0.100	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	<225
	12/11/03	<1.00	<1.0	<1.0	<3.0	<1.0	2.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	<200
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	79.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.600	<0.60	<0.100	<222
CEF-46-13I	12/20/00	<1.0	<1.0	<1.0	0.45	0.45	NA	0.89	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<540
	01/24/01	<1.0	<1.0	1.5	0.62	2.12	280	0.60	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	320
	02/01/01	1.0	0.24	<1.0	0.41	1.65	190	0.39	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	02/07/01	0.59	<1.0	<1.0	0.95	1.54	300	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	250
	02/14/01	<1.0	2	<1.0	8.4	10.4	200	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	230
	02/21/01	<1.0	<1.0	<1.0	4	4	260	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	290
	03/08/01	1.5	0.73	<1.0	<1.0	2.23	250	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	510
	03/21/01	<1.0	<1.0	<1.0	7.7	7.7	250	0.73	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	04/03/01	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
	04/17/01	<1.0	<1.0	0.92	<1.0	0.92	210	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	05/01/01	<5.0	<5.0	<5.0	2	2	260	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<600
	06/28/01	<1.0	0.2	0.99	1.4	2.59	210	<1.0	<1.0	<1.0	<1.0	0.83	<1.0	<1.0	<1.0	<0.20	0.35	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	350
	07/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	180	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	<1.0	410
	08/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	190	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	0.56	320
	09/17/01	<1.0	<1.0	0.68	0.53	1.21	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NA	NA	NA	310
	10/23/01	<1.0	<1.0	<1.0	<1.0	<4.0	130	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	11/15/01	<1.0	<1.0	<1.0	<1.0	<4.0	170	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	140	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.21	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	03/19/02	<1.0	<1.0	<1.0	<1.0	<4.0	136	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	06/06/02	<1.0	<1.0	<1.0	<1.0	<4.0	160	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	09/17/02	<0.5	<0.5	<0.5	<0.5	0	174	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	0.077	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	745
	12/13/02	1.0	<1.0	<1.0	<1.0	1.0	201	<1.04	<1.04	<1.04	<1.04	<1.04	<0.52	<0.52	<0.52	<0.21	<0.21	<0.10	<0.10	<0.10	<0.15	<0.10	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	204
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	318	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	<0.100	276
	06/05/03	1.10	<1.0	<1.0	<1.0	1.1	254	0.19	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	240	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	<225
	12/11/03	<1.00	<1.0	<1.0	<0.30	<1.0	114	0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	208
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	60.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.600	<0.30	<0.100	<250

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-14D	12/20/00	<1.0	<1.0	0.42	0.37	0.79	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.088	<0.4	0.26	<550
	01/24/01	<1.0	<1.0	<1.0	0.23	0.23	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.17	<530
	02/01/01	<1.0	<1.0	<1.0	0.33	0.33	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.24	<520
	02/07/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	470
	02/14/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	400
	02/21/01	0.11	<1.0	<1.0	0.35	0.46	0.41	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.28	230
	03/08/01	0.21	<1.0	<1.0	<1.0	0.21	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	03/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	04/03/01	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
	04/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	0.75	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<510
	05/01/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.24	<530
	06/28/01	<1.0	<1.0	0.63	0.5	1.13	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	0.33	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.16	<0.40	0.44	<500
	07/25/01	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.18	<0.40	<1.0	300
	08/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.65	<520
	09/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	<520
	10/23/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<0.20	<0.23	<0.20	<0.20	<0.23	<0.20	<0.20	<0.20	<0.20	<0.23	<0.60	<0.40	<1.0	<520
	11/15/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.22	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	03/19/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.391	<520
	06/06/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.391	<500
	09/17/02	<0.5	<0.5	<0.5	<0.5	0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.36	554
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.05	<1.05	<1.05	<1.05	<1.05	<0.53	<0.53	<0.53	<0.21	<0.21	<0.11	<0.11	<0.11	<0.15	<0.11	<0.21	<0.21	<0.21	<0.10	<0.10	0.1070	204
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	0.102	248
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.102	<211
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	0.188	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.100	0.176	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	4.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	<100
CEF-46-15I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<550
	01/24/01	0.17	<1.0	<1.0	<1.0	0.17	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	02/01/01	0.21	<1.0	<1.0	<1.0	0.21	0.68	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	02/07/01	0.21	<1.0	<1.0	<1.0	0.21	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/14/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	02/21/01	0.11	<1.0	<1.0	0.25	0.36	0.27	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	03/07/01	<1.0	<1.0	<1.0	0.38	0.38	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	03/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	04/03/01	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
	04/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	05/01/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	06/28/01	<1.0	<1.0	1.1	<1.0	1.1	4.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	0.58	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.38	<0.40	<1.0	270
	07/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.17	<0.40	<1.0	<520
	08/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<530
	09/17/01	<1.0	<1.0	<1.0	<1.0	<4.0	3.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	10/23/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<530
	11/15/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.21	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<550
	03/18/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.169	<0.40	<1.0	<530
	06/06/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<540
	09/17/02	<0.5	<0.5	<0.5	<0.5	0	<0.5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	668
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.04	<1.04	<1.04	<1.04	<1.04	<0.52	<0.52	<0.52	<0.21	<0.21	<0.10	<0.10	<0.10	<0.15	<0.10	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	<200
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<0.100	<0.100	<0.100	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<222
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.42	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.42	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.100	<0.100	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.100	<0.10	<0.100	<100

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-21I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<550
	01/25/01	0.25	<1.0	0.70	<1.0	0.95	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	300
	02/02/01	0.45	<1.0	0.99	0.27	1.71	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/08/01	0.91	<1.0	<1.0	<1.0	0.91	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	200
	02/16/01	0.19	0.14	0.97	0.55	1.85	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	200
	02/22/01	<1.0	0.18	0.68	<1.0	0.86	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	03/08/01	<1.0	<1.0	0.32	<1.0	0.32	<1.0	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	230
	04/03/01	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
	04/18/01	0.26	<1.0	0.42	<1.0	0.68	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	05/02/01	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
	06/29/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.064	<0.21	<0.21	<0.21	NS	NS	NS	<550
	07/25/01	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
	08/21/01	1.3	<1.0	0.73	3.1	5.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	0.59	0.7	<520
	09/18/01	<1.0	<1.0	<1.0	1.6	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NA	NA	NA	<520
	10/24/01	<1.0	<1.0	<1.0	0.58	0.58	<1.0	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<0.20	<0.20	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.16	<0.40	<1.0	<530
	11/16/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.21	<0.20	<0.60	<0.40	<1.0	<530
	03/19/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.0	<1.1	<1.0	<1.1	<1.1	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.21	<0.20	<0.21	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	06/07/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.0	<1.1	<1.0	<1.1	<1.1	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.21	<0.20	<0.21	<0.20	<0.20	<0.20	<0.60	0.15 J	<1.0	<500
	09/18/02	<0.5	<0.5	<0.5	<0.5	0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.2	<0.80	<2.0	834
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.00	<2.00	<2.00	<2.00	<2.00	<1.00	<1.00	<1.00	<0.40	<0.40	<0.20	<0.20	<0.20	<0.28	<0.20	<0.40	<0.40	<0.40	<0.10	<0.10	<0.1000	<200
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<0.100	<0.100	<0.100	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.18	0.27	0.2	<0.10	0.5	0.67	2.82	0.16	0.35	0.16	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10	<0.100	308
	12/11/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	<200
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.30	<0.100	<222
CEF-46-24D	12/20/00	<1.0	<1.0	0.47	0.41	0.88	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	0.18	<500
	01/25/01	8.3	0.81	1.0	2.0	12.11	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.19	<510
	02/02/01	0.25	<1.0	<1.0	0.40	0.65	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.30	<500
	02/08/01	0.28	0.13	<1.0	0.45	0.86	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.18	340
	02/15/01	0.16	0.11	0.60	0.54	1.41	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	460
	02/24/01	0.18	0.11	0.40	0.54	1.23	<1.0	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	<500
	03/08/01	0.24	<1.0	<1.0	0.4	0.64	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	430
	03/21/01	0.47	0.34	0.38	0.97	2.16	0.82	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	04/03/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.60	<0.40	0.26	<510
	04/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<520
	05/02/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	0.24	650
	06/29/01	<1.0	<1.0	<1.0	0.7	0.7	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NS	NS	NS	<520
	07/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	<1.0	380
	08/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	<540
	09/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NA	NA	NA	<550
	10/24/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	11/16/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<520
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	<1.1	<1.0	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	03/19/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<530
	06/07/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	09/18/02	<0.5	<0.5	<0.5	<0.5	0	2.19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	779
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.00	<2.00	<2.00	<2.00	<2.00	<1.00	<1.00	<1.00	<0.40	<0.40	<0.20	<0.20	<0.20	<0.28	<0.20	<0.40	<0.40	<0.40	<0.10	<0.10	3.6100	<200
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.21	0.841	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.438	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	0.212	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	0.16	0.119	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.10	<0.100	<100

TABLE 3-2
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethyl Benzene	Toluene	Xylene	BETX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	TRPH (ug/L)
CEF-46-25I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.6	<0.4	<1.0	<560
	01/25/01	0.25	<1.0	<1.0	0.42	0.67	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	320
	02/02/01	0.27	<1.0	<1.0	<1.0	0.27	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	<500
	02/08/01	0.21	0.15	<1.0	0.43	0.79	<1.0	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	390
	02/15/01	0.22	<1.0	0.58	0.46	1.26	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	1000
	02/22/01	0.46	<1.0	<1.0	<1.0	0.46	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	610
	03/21/01	0.42	<1.0	<1.0	<1.0	0.42	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	<500
	04/03/01	0.28	<1.0	<1.0	<1.0	0.28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.4	<1.0	380
	04/18/01	0.32	<1.0	0.29	<1.0	0.61	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.4	<1.0	<530
	05/02/01	0.19	<1.0	<1.0	<1.0	0.19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.4	<1.0	1000
	06/29/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	0.33	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NS	NS	NS	<530
	07/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	<1.0	<520
	08/21/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.4	<1.0	<520
	09/18/01	<1.0	<1.0	1.3	0.81	2.11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NA	NA	NA	<510
	10/24/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.20	<0.21	<0.20	<0.21	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	0.16	<0.40	<1.0	<530
	11/16/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.4	<1.0	<510
	12/18/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	<1.0	<1.0	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.16	<0.40	<1.0	<540
	03/19/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.4	<1.0	<520
	06/07/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.4	<1.0	<520
	09/18/02	<0.5	<0.5	<0.5	<0.5	0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.2	<0.80	<2.0	810
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.04	<1.04	<1.04	<1.04	<1.04	<0.52	<0.52	<0.52	<0.21	<0.21	<0.10	<0.10	<0.10	<0.15	<0.10	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	<200
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<0.100	0.15	<0.100	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<200
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.30	<0.100	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.100	<0.100	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.10	<0.100	<111
CEF-46-26I	12/20/00	1300	78	41	310	1729	NA	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	<530
	01/25/01	2400	270	100	820	3590	<5.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	890
	02/02/01	2000	150	77	600	2827	<1.0	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	590
	02/08/01	2100	120	83	460	2763	18	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	730
	02/16/01	2300	150	94	600	3144	10	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	960
	02/22/01	1800	140	240	620	2800	<100	<1.1	N/A	N/A	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.60	<0.40	<1.0	610
	03/08/01	2100	160	85	620	2965	<50	<1.0	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	1000
	03/21/01	2400	190	110	750	3450	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	630
	04/03/01	2400	190	99	810	3499	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	1200
	04/18/01	2300	190	110	750	3350	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	810
	05/02/01	1100	100	46	390	1636	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<30	<20	<50	410
	06/29/01	3400	260	180	1200	5040	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	NS	NS	NS	1200
	07/25/01	2100	180	87	790	3157	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.61	<0.40	<1.0	850
	08/21/01	2000	160	49	700	2909	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	<1.0	930
	09/18/01	2100	180	110	730	3120	<20	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NA	NA	NA	720
	10/24/01	1300	97	22	390	1809	<20	<1.1	<1.0	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	0.16	<0.40	<1.0	720
	11/16/01	1700	120	10	430	2260	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.12	0.15	<1.0	590
	12/18/01	1300	68	<10	370	1738	11	<1.1	<1.0	<1.1	<1.0	<1.0	<1.1	<1.1	<1.0	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	720
	03/19/02	1510	63.4	14	424	2011.4	14.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.148	<0.40	<1.0	360
	06/06/02	1500	46	5	430	1981	14	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<0.20	<0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	290 J
	09/18/02	1390	37.7	6.32	513	1947.02	13.5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<6.0	<4.0	<10	1350
	12/13/02	1100	34.0	<20.0	400	1534	<20.0	7.74	<1.05	<1.05	<1.05	<1.05	<0.53	<0.53	<0.52	<0.21	<0.21	<0.11	0.31	<0.11	<0.15	0.11	<0.21	<0.21	<0.21	<0.10	<0.10	<0.1000	470
	03/14/03	866	23.3	5.4	199	1094	15.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.35	<0.100	628
	06/05/03	845	30	<10.0	314	1189	21	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	598
	09/03/03	902	24	<10.0	347	1273	17.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.10	<0.100	488
	12/11/03	693	16.5	7.9	198	915	19.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.30	<0.100	954
	03/18/04	870	8.3	6.3 ?	162	1046.6	20.3	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	524
Groundwater Criteria [1]		1	30	40	20	n/a	50	20	20	20	210	20	280	210	2100	280	210	0.2	4.8	0.2	0.5	0.2	0.2	0.2	210	10,000	1000	n/a	5000
Natural Attenuation Default Source [1]		100	300	400	200	n/a	500	200	200	200	2100	200	2800	2100	21000	2800	2100	20	480	20	50	20	20	20	2100	100000	10000	n/a	50000

All values reported in ug/L
1 = Ch 62-777 F.A.C Groundwater Cleanup Target Levels (GCTL) reported in ug/L
Highlighted values indicate the compounds that exceed the GCTL

NS = Not Sampled
NA = Not Analyzed
? = Rejected during data validation

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-1S	12/21/00	6.20	0.512	1.05	22.7	NM	200	1.4	1.0	NM
	01/25/01	6.56	0.128	4.63	22.1	70	80	0.1	0.0	NM
	02/01/01	6.47	0.275	1.83	20.1	>1000	>400	0.0	5.0	NM
	02/08/01	6.60	0.270	1.40	20.0	>1000	>400	0.0	1.0	NM
	02/15/01	5.20	0.240	1.50	20.0	>1000	>400	0.0	5.0	NM
	02/22/01	6.20	0.220	3.30	20.0	NM	NM	0.6	0.3	NM
	03/08/01	6.28	0.211	2.72	20.2	>1000	>400	1.0	1.0	NM
	03/21/01	6.20	0.220	2.30	20.0	500	340	0.2	2.0	NM
	04/18/01	6.30	0.280	2.80	20.0	>1000	>400	0.0	2.0	NM
	05/02/01	5.90	0.240	2.50	21.0	>1000	>400	0.4	2.0	NM
	06/29/01	5.97	0.190	NM	24.6	120	80	1.0	2.0	NM
	07/25/01	4.31	2.540	2.63	27.2	>1000	20	6.0	0.1	NM
	08/20/01	7.27	0.686	0.06	26.7	>1000	40	1.2	5.0	NM
	09/18/01	6.62	0.817	1.84	25.8	260	400	0.8	0.5	NM
	10/24/01	7.43	0.205	1.30	25.1	230	180	1.6	>5.0	NM
	11/15/01	8.00	0.241	0.66	24.3	150	120	1.6	5.0	NM
	12/17/01	6.00	0.263	1.19	23.5	180	100	2.8	0.7	NM
	03/19/02	6.55	0.201	1.21	21.7	100	80	1.2	0.5	NM
	06/06/02	6.56	0.194	0.94	25.8	100	120	2.0	0.9	NM
	09/18/02	6.42	0.218	0.15	27.0	310	20	6.0	0.7	NM
	12/13/02	6.94	NR	0.28	23.5	90	150	1.2	5.0	NM
	03/14/03	7.54	2.520	0.89	20.77	0.0	100	2.2	5.0	NM
	06/09/03	6.39	1.730	0.00	25.28	Interference	140	3.2	5.0	NM
	09/03/03	6.27	0.201	2.03	27.53	Interference	205	1	5.0	NM
	12/11/03	5.98	0.234	0.00	23.15	400	250	1.4	5.0	0.0
	03/18/04	6.48	0.220	NM	22.33	Interference	175	2	5.0	0.0
CEF-46-2S	12/21/00	6.20	0.962	1.06	23.2	352	720	1.0	0.0	NM
	01/25/01	6.55	0.511	2.15	19.9	400	200	1.0	0.3	NM
	02/01/01	6.39	0.625	1.81	20.3	>1000	>400	0.0	0.5	NM
	02/08/01	6.60	0.640	2.20	20.0	600	400	1.2	0.1	NM
	02/15/01	6.20	0.640	1.80	20.0	>1000	400	1.0	0.5	NM
	02/22/01	6.40	0.630	3.20	20.0	>1000	>400	0.8	0.5	NM
	03/08/01	6.52	0.576	1.67	20.2	80	300	0.6	1.0	NM
	03/21/01	6.50	0.580	2.00	20.0	360	420	1.0	0.5	NM
	04/18/01	6.40	0.690	2.00	20.0	440	300	1.2	0.5	NM
	05/02/01	6.30	0.670	3.30	21.0	400	380	1.0	2.0	NM
	06/29/01	6.52	0.689	NM	23.7	280	400	0.2	5.0	NM
	07/25/01	7.09	0.709	1.92	25.2	220	380	0.6	5.0	NM
	08/20/01	8.92	0.667	0.06	26.3	210	280	0.8	2.0	NM
	09/18/01	5.98	0.398	1.24	26.3	>1000	80	3.6	>5.0	NM
	10/24/01	8.13	0.530	1.89	24.9	140	220	0.2	>5.0	NM
	11/15/01	8.71	0.610	0.65	24.1	200	200	0.0	5.0	NM
	12/17/01	7.00	0.546	1.62	23.5	180	200	0.0	5.0	NM
	03/19/02	7.26	0.541	1.60	21.7	140	240	0.4	5.0	NM
	06/06/02	7.19	0.460	1.94	25.1	160	200	0.2	5.0	NM
	09/17/02	6.89	0.537	0.58	27.1	610	200	1.0	0.5	NM
	12/13/02	7.27	NR	0.28	24.5	130	260	0.4	0.1	NM
	03/14/03	7.08	1.620	1.60	20.88	310	165	2.2	0.05	NM
	06/05/03	6.44	1.860	0.00	24.66	228	195	2.2	0.3	NM
	09/03/03	6.25	1.480	0.03	27.94	245	160	2	0.3	NM
	12/11/03	6.47	1.070	0.40	23.85	218	190	1	1	0.6
	03/18/04	6.80	0.123	NM	20.09	231	190	1.4	0.7	0.0

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-5I	12/21/00	5.60	0.140	1.10	23.2	183	100	1.8	1.0	NM
	01/25/01	6.17	0.157	1.51	23.7	360	200	1.6	0.1	NM
	02/01/01	5.78	0.123	0.63	24.7	160	100	2.0	0.1	NM
	02/08/01	6.50	0.450	1.20	25.0	110	100	4.5	0.0	NM
	02/15/01	5.90	0.240	2.40	24.0	140	60	4.0	0.1	NM
	02/22/01	5.50	0.290	1.30	24.0	86	40	4.1	0.0	NM
	03/08/01	5.67	0.340	3.12	24.3	160	40	3.2	0.0	NM
	03/21/01	5.30	0.370	2.10	24.0	140	20	3.6	0.5	NM
	04/18/01	4.80	0.520	0.40	24.0	230	20	3.4	1.0	NM
	05/02/01	4.70	0.480	1.10	24.0	300	100	2.4	0.1	NM
	06/29/01	3.22	2.380	NM	24.6	400	100	4.0	0.0	NM
	07/25/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	08/21/01	NM	3.590	NM	27.1	340	20	7.4	0.0	NM
	09/18/01	3.02	3.440	0.47	25.6	>1000	20	7.0	0.0	NM
	10/23/01	5.05	5.930	1.34	25.7	500	20	8.0	0.1	NM
	11/15/01	3.81	6.280	0.71	25.2	>1000	20	80.0	0.0	NM
	12/18/01	2.00	6.200	1.60	25.5	NM	20	6.4	0.0	NM
	03/19/02	2.18	8.640	1.64	26.6	600	20	9.0	0.0	NM
	06/06/02	2.70	6.180	1.12	27.4	>1000	20	10.0	0.1	NM
	09/18/02	2.27	6.820	0.97	26.8	670	20	10+	0.0	NM
	12/12/02	2.69	NM	0.33	25.8	1000	0.0	8.0	0.1	NM
	03/14/03	3.54	5.810	2.05	25.23	0.0	0.0	4.2	0	NM
	06/05/03	2.00	4.840	0.23	26.92	Interference	0.0	9.9	0.0	NM
	09/03/03	2.74	4.450	0.04	27.29	Interference	0.0	10	0.0	NM
	12/11/03	2.84	4.480	4.01	22.90	568	0.0	6	0.0	0.0
	03/18/04	2.48	4.074	NM	25.00	172	0.0	4.2	0.0	0.0
CEF-46-6D	12/21/00	9.71	0.180	6.51	23.5	8	120	0.4	0.3	NM
	02/08/01	5.90	0.570	1.30	24.0	240	40	2.4	0.0	NM
	02/15/01	6.10	0.680	2.00	24.0	220	40	3.6	0.1	NM
	02/22/01	6.30	0.660	0.40	23.0	180	80	3.5	0.1	NM
	03/08/01	6.55	0.623	3.05	20.3	200	80	2.0	0.0	NM
	03/21/01	6.30	0.620	1.80	20.0	180	60	3.8	0.1	NM
	04/18/01	6.20	0.640	1.60	21.0	140	60	1.8	0.0	NM
	05/02/01	6.30	0.620	1.90	23.0	200	60	4.4	0.0	NM
	06/29/01	3.78	3.380	NM	25.2	400	60	4.4	0.2	NM
	07/25/01	6.83	2.430	3.19	26.7	360	20	6.0	0.0	NM
	08/21/01	NM	6.050	NM	27.3	>1000	20	8.0	0.0	NM
	09/18/01	2.74	7.040	0.19	25.4	300	20	6.5	0.0	NM
	10/23/01	4.92	5.890	0.76	26.1	500	20	6.2	0.0	NM
	11/15/01	3.80	7.770	1.76	24.8	>1000	20	10.0	0.0	NM
	12/18/01	2.00	6.510	0.07	24.6	NM	20	7.0	0.0	NM
	03/19/02	2.65	7.400	1.85	26.0	600	20	7.0	0.1	NM
	06/06/02	3.06	6.230	1.65	26.8	>1000	20	10.0	0.0	NM
	09/18/02	2.88	7.760	0.80	25.7	1000+	20	10+	0.0	NM
	12/12/02	2.81	NM	NM	24.8	NM	NM	NM	NM	NM
	03/14/03	3.23	8.600	2.64	25.71	0.0	0.0	4.2	0.0	NM
	06/09/03	2.69	9.740	0.09	27.97	Interference	0.0	7	0.0	NM
	09/03/03	2.70	8.759	0.37	27.71	Interference	0.0	10	0.0	NM
	12/10/03	2.62	0.790	0.00	23.95	Interference	0.0	5.4	0.0	0.8
	03/16/04	2.53	0.746	6.00	24.60	263	ND	ND	3	ND

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-7I	12/21/00	4.90	0.510	1.11	25.4	317	60	0.6	0.3	NM
	02/22/01	5.10	0.100	2.80	24.0	180	60	4.6	0.1	NM
	03/08/01	5.62	0.061	3.62	21.6	160	60	1.0	5.0	NM
	03/21/01	5.30	0.070	2.70	21.0	220	40	1.0	5.0	NM
	04/18/01	5.50	0.070	0.60	22.0	200	80	2.0	0.0	NM
	05/02/01	4.40	0.100	1.50	23.0	NM	NM	NM	NM	NM
	06/29/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	07/25/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	08/20/01	5.35	1.260	0.05	25.8	300	80	4.5	0.0	NM
	09/18/01	4.33	0.174	1.19	25.3	100	20	3.4	0.1	NM
	10/24/01	5.10	0.713	2.11	25.0	280	20	3.8	0.0	NM
	11/15/01	5.14	0.130	0.46	25.5	100	40	2.8	0.5	NM
	12/18/01	2.00	1.850	1.75	24.4	NM	20	5.0	0.0	NM
	03/19/02	2.69	2.650	1.81	26.0	>1000	20	4.0	0.0	NM
	06/06/02	2.65	2.920	2.83	25.6	>1000	20	3.6	0.0	NM
	09/17/02	2.97	1.400	0.51	26.8	>1000	20	10+	0.1	NM
	12/13/02	3.52	NM	0.15	25.4	110	0.0	4.0	0.1	NM
	03/14/03	3.23	0.250	5.24	23.41	121	0.0	1.8	0.0	NM
	06/09/03	3.80	0.191	1.05	26.12	233	0.0	2.2	0.0	NM
	09/03/03	4.51	0.226	0.12	27.32	143	0.0	4	2	NM
	12/11/03	5.19	0.180	0.67	23.07	70	25	3.7	2	0.0
	03/18/04	4.89	0.230	NM	24.42	75	15	4	0.0	0.0
CEF-46-9I	12/20/00	5.29	0.079	1.47	24.6	84.6	20	0.8	0.3	NM
	01/25/01	5.06	0.068	1.70	25.1	140	60	0.6	0.1	NM
	02/01/01	5.18	0.079	1.99	25.5	140	60	1.0	0.2	NM
	02/07/01	5.00	0.070	1.70	25.0	120	40	0.6	0.2	NM
	02/14/01	5.00	0.070	2.20	25.0	160	40	0.8	0.3	NM
	02/22/01	5.00	0.070	2.30	25.0	110	20	0.7	0.2	NM
	03/08/01	5.04	0.069	1.43	24.9	80	20	0.2	0.0	NM
	03/21/01	5.00	0.070	3.00	25.0	160	20	0.2	0.1	NM
	04/18/01	4.60	0.040	0.70	26.0	140	20	0.8	0.3	NM
	05/02/01	4.40	0.070	1.90	25.0	120	40	0.6	0.5	NM
	06/29/01	4.73	0.690	NM	25.3	90	20	0.6	0.3	NM
	07/25/01	5.12	0.068	2.18	25.5	180	20	0.0	0.3	NM
	08/20/01	4.87	0.073	0.05	26.4	80	20	0.6	0.2	NM
	09/18/01	4.84	0.095	0.77	25.2	150	20	0.6	0.5	NM
	10/23/01	6.24	0.060	0.34	25.8	120	20	0.8	0.2	NM
	11/15/01	5.50	0.060	1.08	24.9	90	20	1.0	0.5	NM
	12/18/01	5.00	0.060	1.61	24.9	120	20	1.0	0.3	NM
	03/19/02	5.01	0.720	1.73	25.3	120	20	0.2	0.2	NM
	06/06/02	4.86	0.074	0.99	26.1	100	20	0.4	0.5	NM
	09/17/02	4.32	0.279	0.55	26.5	880	20	10+	0.3	NM
	12/12/02	3.88	NM	0.18	25.5	330	80	7.0	0.3	NM
	03/14/03	5.47	0.914	1.35	25.40	0.0	0.0	2.2	1	NM
	06/04/03	4.75	1.09	0.60	25.73	Interference	0.0	6	1	NM
	09/03/03	3.74	1.04	0.84	26.85	Interference	0.0	3.8	1	NM
	12/10/03	3.64	1.01	6.21	26.29	Interference	0.0	5.2	0.5	0.0
	03/16/04	3.67	0.165	NM	25.08	Interference	0.0	2.8	2	0.0

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-12I	12/20/00	5.57	0.160	1.91	26.5	193.6	80	0.8	2.0	NM
	01/24/01	5.36	0.144	2.06	25.9	130	80	0.6	3.0	NM
	02/01/01	5.52	,152	2.07	25.7	260	80	0.5	1.0	NM
	02/07/01	5.30	0.152	2.82	26.0	360	60	0.6	1.0	NM
	02/14/01	5.30	0.150	2.70	26.0	120	100	0.6	0.8	NM
	02/22/01	5.20	0.150	1.90	26.0	180	80	0.4	0.5	NM
	03/08/01	5.46	0.148	1.94	25.4	300	40	0.2	0.5	NM
	03/21/01	5.30	0.150	0.70	26.0	200	40	0.2	0.7	NM
	04/18/01	5.00	0.150	1.60	26.0	220	80	0.8	2.0	NM
	05/02/01	5.00	0.150	0.80	26.0	280	40	0.6	0.3	NM
	06/29/01	4.99	0.015	NM	25.4	240	40	0.2	0.0	NM
	07/25/01	5.91	0.147	1.02	26.0	100	40	0.0	0.0	NM
	08/20/01	4.86	0.164	0.05	26.6	160	40	0.6	0.0	NM
	09/17/01	5.08	0.211	0.75	26.5	250	40	0.2	0.0	NM
	10/23/01	6.54	0.123	0.23	26.5	200	20	0.4	0.0	NM
	11/15/01	5.88	0.119	0.77	26.4	180	40	0.4	0.1	NM
	12/18/01	5.00	0.120	1.20	25.5	200	20	0.8	0.0	NM
	03/18/02	3.67	0.287	1.70	27.6	100	20	3.2	0.0	NM
	06/06/02	4.66	0.140	1.57	27.1	100	20	3.0	0.0	NM
	09/17/02	4.61	0.130	0.83	28.1	330	20	0.8	0.1	NM
	12/13/02	4.58	NM	1.02	27.5	120	40	4.0	0.1	NM
	03/14/03	3.38	0.178	3.92	26.07	96	0.0	2.2	0.0	NM
	06/05/03	4.22	0.155	1.65	26.33	168	0.0	1	0.0	NM
	09/03/03	4.71	0.308	0.00	27.88	136	5	0.0	0.0	NM
	12/11/03	4.97	0.31	0.61	23.96	84	1	2.2	0.1	0.8
	03/18/04	5.33	0.129	0.60	24.90	86	5	3.5	0.1	0.6
CEF-46-13I	12/20/00	5.40	0.120	1.23	25.0	188	20	1.4	5.0	NM
	01/24/01	5.27	0.102	2.00	24.7	200	100	1.2	5.0	NM
	02/01/01	5.35	0.117	2.37	25.1	240	80	1.0	5.0	NM
	02/07/01	5.20	0.110	2.20	25.0	240	60	1.2	5.0	NM
	02/14/01	5.20	0.110	2.20	26.0	120	80	1.0	5.0	NM
	02/22/01	5.20	0.120	2.70	26.0	300	60	1.1	>5.0	NM
	03/08/01	5.42	0.123	1.99	25.4	220	20	0.6	0.0	NM
	03/21/01	5.20	0.110	1.80	25.0	260	40	1.2	5.0	NM
	04/18/01	5.00	0.110	0.60	26.0	340	160	0.8	2.0	NM
	05/02/01	5.00	0.120	2.50	27.0	200	40	1.4	1.0	NM
	06/29/01	4.99	0.110	NM	25.8	200	40	0.8	>5	NM
	07/25/01	5.62	0.113	2.37	25.8	220	60	1.0	5.0	NM
	08/20/01	4.29	0.110	0.05	26.4	360	40	0.6	2.0	NM
	09/17/01	4.93	0.148	6.60	26.0	220	20	0.8	2.0	NM
	10/23/01	6.33	0.093	0.89	25.9	200	40	1.0	5.0	NM
	11/15/01	5.89	0.093	2.07	25.7	200	20	0.8	5.0	NM
	12/18/01	4.00	0.093	1.16	25.3	220	20	1.0	5.0	NM
	03/19/02	5.03	0.115	1.27	25.7	200	20	0.8	5.0	NM
	06/06/02	4.15	0.330	0.66	27.4	260	20	10.0	1.5	NM
	09/17/02	4.72	0.112	0.23	27.6	730	40	1.6	2.0	NM
	12/13/02	3.96	NM	0.17	26.3	260	40	2.0	5.0	NM
	03/14/03	6.29	0.110	0.99	25.90	280	0.0	2.5	5	NM
	06/05/03	3.71	0.643	0.00	26.44	Interference	0.0	3.6	5	NM
	09/03/03	3.81	0.999	0.36	28.50	Interference	0.0	2.4	2	NM
	12/11/03	3.93	0.990	1.11	24.10	Interference	0.0	3.2	5	0.0
	03/18/04	3.76	1.282	0.50	25.60	Interference	0.0	3	0.3	0.0

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-14D	12/20/00	5.87	0.109	1.52	24.9	84	540	2.4	0.3	NM
	01/24/01	5.77	0.093	1.63	23.4	70	160	2.2	0.5	NM
	02/01/01	5.78	0.099	0.58	25.8	140	100	2.4	0.7	NM
	02/07/01	5.60	0.090	0.60	NM	140	40	2.2	0.5	NM
	02/14/01	5.70	0.090	1.60	25.0	110	60	2.4	0.7	NM
	02/22/01	5.60	0.100	0.60	25.0	100	60	1.8	0.5	NM
	03/08/01	6.03	0.098	3.54	23.2	120	20	2.0	2.0	NM
	03/21/01	5.80	0.100	2.20	24.0	100	40	2.0	1.0	NM
	04/18/01	5.40	0.100	1.70	25.0	120	60	2.0	0.7	NM
	05/02/01	5.40	0.100	1.20	1.3	120	40	2.0	0.5	NM
	06/29/01	5.40	0.083	NM	26.0	80	40	2.0	4.0	NM
	07/25/01	6.79	0.092	1.91	25.1	175	80	2.4	0.1	NM
	08/20/01	9.60	0.099	3.02	25.8	70	60	3.4	0.3	NM
	09/17/01	5.40	0.137	0.80	25.2	150	100	NM	2.0	NM
	10/23/01	7.53	0.074	1.42	25.3	60	60	2.6	0.5	NM
	11/15/01	6.23	0.082	1.40	24.6	100	40	2.6	1.0	NM
	12/18/01	5.00	0.078	0.90	24.7	110	40	2.0	2.0	NM
	03/19/02	5.52	0.094	1.85	25.1	120	40	1.5	1.0	NM
	06/06/02	5.30	0.097	0.72	26.2	100	40	1.8	0.0	NM
	09/17/02	5.27	0.101	0.33	27.7	540	40	2.4	0.7	NM
	12/12/02	4.75	NM	0.36	26.0	140	80	2.5	2.0	NM
	03/14/03	6.26	0.098	0.85	25.32	180	15	2.5	5.0	NM
	06/04/03	5.77	0.106	0.17	26.14	186	20	2.3	2.0	NM
	09/03/03	4.82	0.215	0.86	27.66	155	20	2.2	5.0	NM
	12/10/03	5.36	0.282	0.07	25.92	136	10	2.4	1.0	0.0
	03/16/04	5.43	0.105	0.80	25.60	154	20	2.4	5.0	0.0
CEF-46-15I	12/20/00	5.01	0.108	1.27	22.2	86.6	40	3.2	1.0	NM
	01/24/01	4.56	0.142	2.06	22.5	220	40	1.2	0.0	NM
	02/01/01	4.36	0.197	0.68	24.1	200	40	0.4	0.0	NM
	02/07/01	4.13	0.205	2.77	23.4	120	40	0.8	0.0	NM
	02/14/01	4.00	0.210	4.60	23.0	150	60	1.4	0.7	NM
	02/22/01	4.00	0.190	3.40	23.0	100	20	1.2	0.0	NM
	03/08/01	4.27	0.191	1.27	23.1	100	40	0.8	0.0	NM
	03/21/01	4.30	0.180	0.70	23.0	200	40	2.4	0.0	NM
	04/18/01	4.00	0.180	2.30	23.0	160	20	1.6	0.0	NM
	05/02/01	4.20	0.160	1.20	24.0	200	20	4.0	0.0	NM
	06/29/01	3.49	0.208	NM	23.1	140	60	1.4	0.1	NM
	07/25/01	5.80	0.184	2.30	23.5	200	20	3.2	0.0	NM
	08/20/01	2.53	0.178	0.06	26.7	360	20	4.6	0.0	NM
	09/17/01	4.22	0.229	2.40	24.1	220	20	4.6	0.0	NM
	10/23/01	5.61	0.141	0.28	24.0	200	20	3.2	0.0	NM
	11/15/01	4.75	0.139	0.41	23.6	160	20	1.6	0.0	NM
	12/18/01	4.00	0.133	1.77	23.4	170	20	3.8	0.0	NM
	03/18/02	4.06	0.163	2.80	24.2	160	20	1.8	0.0	NM
	06/06/02	4.36	0.159	0.08	24.0	200	20	4.0	0.0	NM
	09/17/02	4.44	0.164	0.22	24.6	880	20	3.0	0.1	NM
	12/12/02	3.89	NM	1.49	23.7	191	60	4.2	0.0	NM
	03/13/03	4.64	0.191	0.90	22.79	343	0.0	3.2	0.0	NM
	06/04/03	1.76	0.172	0.59	22.89	368	10	3.3	0.0	NM
	09/03/03	3.99	0.369	0.45	24.16	367	0.0	2.8	0.0	NM
	12/10/03	4.00	0.29	6.16	23.64	124	1	3.5	0.1	5.0
	03/16/04	4.30	0.501	NM	22.91	324	0.0	3	0.00	0.0

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-21I	12/20/00	4.86	0.047	1.35	23.2	9.4	60	0.8	0.0	NM
	01/25/01	4.39	0.153	4.00	24.9	100	60	2.0	0.1	NM
	02/02/01	4.09	0.131	2.25	23.3	120	100	2.6	0.1	NM
	02/08/01	4.10	0.400	2.60	24.0	400	80	5.0	0.7	NM
	02/16/01	3.70	0.320	2.10	24.0	200	60	3.6	0.5	NM
	02/22/01	3.70	0.400	2.50	24.0	120	60	3.2	0.3	NM
	03/08/01	3.21	0.490	3.87	23.2	>1000	>400	5.0	0.1	NM
	03/21/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	04/18/01	3.10	1.400	0.80	22.0	640	20	4.2	0.0	NM
	05/02/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	06/29/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	07/25/01	NM	NM	NM	NM	NM	NM	NM	NM	NM
	08/21/01	NM	0.902	NM	26.7	500	20	5.2	0.1	NM
	09/18/01	3.07	2.430	2.66	26.5	400	20	4.8	0.3	NM
	10/24/01	6.01	0.537	1.77	26.7	240	20	2.8	0.7	NM
	11/16/01	2.04	0.584	1.68	26.0	NM	20	2.6	5.0	NM
	12/18/01	2.00	0.785	1.23	25.8	NM	20	3.6	0.3	NM
	03/19/02	3.21	0.948	1.87	25.6	600	20	1.2	0.3	NM
	06/07/02	2.76	2.220	3.63	25.6	NM	20	2.8	2.0	NM
	09/18/02	3.10	1.490	0.77	26.4	1000+	20	10+	1.0	NM
	12/12/02	3.26	NM	1.17	24.9	1000	0.0	6.0	1.0	NM
	03/13/03	3.75	0.713	2.35	23.94	0.0	0.0	3	0.0	NM
	06/05/03	3.12	0.798	0.00	24.22	Interference	0.0	3.9	0.7	NM
	09/03/03	3.34	0.406	2.82	26.30	115	0.0	1.6	0.0	NM
	12/11/03	3.58	0.476	3.43	23.07	89	0.0	1.6	0.0	2.0
	03/18/04	3.81	0.162	2.10	23.00	91	0.0	2.4	0.0	1.0
CEF-46-24D	12/20/00	6.15	0.129	0.13	21.9	16.4	60	2.3	0.1	NM
	01/25/01	5.93	0.099	0.44	22.9	160	100	2.0	0.1	NM
	02/02/01	6.07	0.104	0.70	23.1	320	60	1.4	0.1	NM
	02/08/01	6.20	0.110	0.60	24.0	96	100	1.6	0.1	NM
	02/15/01	5.80	0.120	0.50	24.0	90	40	1.4	0.0	NM
	02/22/01	5.80	0.130	1.00	24.0	90	60	1.8	0.1	NM
	03/08/01	6.05	0.154	1.65	22.9	120	40	1.2	0.0	NM
	03/21/01	5.80	0.160	1.60	23.0	140	60	NM	0.1	NM
	04/18/01	5.90	0.210	2.00	24.0	120	60	3.0	0.0	NM
	05/02/01	3.60	0.590	5.10	23.0	100	20	0.2	0.0	NM
	06/29/01	3.55	0.770	NM	23.4	160	20	0.8	0.0	NM
	07/25/01	NM	2.500	1.76	26.5	>1000	20	4.4	0.0	NM
	08/21/01	NM	1.580	NM	27.9	140	20	6.4	0.1	NM
	09/18/01	3.56	1.140	0.50	26.7	160	20	2.2	0.1	NM
	10/24/01	5.51	1.380	1.13	26.8	260	20	5.0	0.0	NM
	11/16/01	2.33	0.774	0.96	26.0	NM	20	4.6	0.0	NM
	12/18/01	3.00	0.756	1.02	25.7	NM	20	5.0	0.0	NM
	03/19/02	3.60	0.920	1.35	25.9	200	20	3.4	0.1	NM
	06/07/02	2.94	2.520	3.53	28.1	NM	20	4.4	0.0	NM
	09/18/02	2.73	2.400	0.03	27.3	1990	20	10+	0.0	NM
	12/12/02	3.27	NM	0.37	28.3	0.0	0.0	5.1	0.0	NM
	03/14/03	3.70	2.530	2.23	27.46	0.0	0.0	4	0.0	NM
	06/05/03	0.36	3.160	0.36	28.22	Interference	0.0	5.9	0.0	NM
	09/03/03	3.20	2.110	0.21	27.68	Interference	0.0	5.4	0.0	NM
	12/10/03	3.24	0.200	0.30	26.18	Interference	0.0	3.8	0.0	0.0
	03/16/04	3.45	1.285	0.60	27.60	Interference	0.0	4.2	0.1	0.0

TABLE 3-3
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46 NUTRIENT INJECTION SYSTEM
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-25I	12/20/00	5.81	0.167	2.88	24.6	20.6	120	0.6	5.0	NM
	01/25/01	4.92	0.066	0.22	26.4	200	40	1.2	>5.0	NM
	02/02/01	5.15	0.077	0.82	26.6	200	40	1.2	5.0	NM
	02/08/01	5.20	0.060	0.70	27.0	140	40	1.1	>5.0	NM
	02/15/01	4.70	0.070	0.50	27.0	150	20	1.6	>5.0	NM
	02/22/01	5.00	0.070	1.50	27.0	140	40	1.5	>5.0	NM
	03/08/01	5.14	0.063	3.41	26.2	200	20	1.4	5.0	NM
	03/21/01	4.90	0.070	1.90	26.0	120	20	1.4	5.0	NM
	04/18/01	4.90	0.070	1.00	26.0	140	2	108.0	>5	NM
	05/02/01	4.60	0.070	1.60	27.0	160	20	1.4	5.0	NM
	06/29/01	4.58	0.066	NM	26.7	80	20	1.4	5.0	NM
	07/25/01	NM	0.447	2.45	26.7	>1000	20	3.6	5.0	NM
	08/21/01	NM	0.088	NM	27.7	180	20	2.6	5.0	NM
	09/18/01	4.53	0.195	1.70	26.5	120	20	4.0	5.0	NM
	10/24/01	6.11	0.214	0.98	26.6	60	20	2.5	5.0	NM
	11/16/01	3.39	0.288	2.08	25.9	NM	20	4.0	>5.0	NM
	12/18/01	4.00	0.449	1.32	26.0	NM	20	4.0	5.0	NM
	03/19/02	3.84	1.370	2.15	26.4	240	20	4.0	5.0	NM
	06/07/02	3.79	1.400	0.89	26.5	NM	20	4.0	5.0	NM
	09/18/02	3.71	0.999	0.63	26.6	780	20	10+	5.0	NM
	12/12/02	3.97	NM	0.34	25.7	0.0	40	10.0	5.0	NM
	03/13/03	6.16	1.420	1.03	25.35	0.0	0.0	4.5	5	NM
	06/04/03	5.98	1.440	0.00	25.76	0.0	0.0	6	5	NM
	09/03/03	3.77	0.910	0.53	26.43	Interference	0.0	3.8	5	NM
	12/10/03	3.95	0.860	5.82	24.15	Interference	0.0	3.5	5	0.0
	03/16/04	3.74	0.179	NM	23.99	Interference	0.0	5.4	5	0.0
CEF-46-26I	12/20/00	8.53	0.099	0.03	23.1	24.2	NR	1.4	NR	NM
	01/25/01	5.13	0.049	0.37	24.8	220	100	1.0	5.0	NM
	02/02/01	5.20	0.042	0.46	24.3	200	60	1.0	5.0	NM
	02/08/01	5.30	0.040	0.80	24.0	250	140	0.8	>5.0	NM
	02/16/01	5.00	0.040	2.10	24.0	160	40	1.0	5.0	NM
	02/22/01	5.10	0.040	0.80	25.0	200	60	1.2	>5.0	NM
	03/08/01	5.17	0.040	1.22	24.0	240	40	1.0	2.0	NM
	03/21/01	5.1	0.04	2.3	24.0	240	60	NR	5.0	NM
	04/18/01	4.9	0.04	1.2	24.0	180	40	0.2	>5	NM
	05/02/01	5.07	0.043	0.99	24.5	160	60	1.0	5.0	NM
	06/29/01	4.63	0.098	NM	24.1	20	20	3.8	5.0	NM
	07/25/01	NM	0.383	2.01	24.4	>1000	40	5.0	5.0	NM
	08/21/01	NM	0.505	NM	25.7	200	20	7.2	5.0	NM
	09/18/01	3.97	1.13	0.93	24.4	260	20	6.0	3.0	NM
	10/24/01	6.47	1.84	0.55	24.7	260	20	8.0	2.0	NM
	11/16/01	3.31	2.12	2.86	24.2	NM	20	4.6	>5.0	NM
	12/18/01	3	2.15	1.87	24.3	NM	20	8.0	5.0	NM
	03/19/02	3.58	2.750	1.29	25.0	700	20	5.0	5.0	NM
	06/06/02	3.54	2.44	1.04	25.8	NR	20	6.0	5.0	NM
	09/18/02	3.29	2.39	0.25	25.6	1590	20	10+	5.0	NM
	12/13/02	3.79	NM	0.75	24.6	1000	0.0	10.0	5.0	NM
	03/14/03	6.34	0.063	4.66	26.88	0.0	0.0	4.6	5	NM
	06/05/03	3.31	2.88	0.00	24.60	Interference	0.0	9	5	NM
	09/03/03	3.40	1.99	0.12	25.14	Interference	0.0	7.8	5	NM
	12/11/03	3.52	0.224	0.00	22.18	Interference	0.0	3	5	0.0
	03/18/04	3.51	0.268	NM	22.45	Interference	0.0	5	5	0.0

* Horiba Multimeter
**Dissolved Oxygen Hach Test Kit
NM = Not Measured
NR = No Reading Taken

4.0 Conclusions and Recommendations

4.1. Conclusions

Compared to the baseline-sampling event, the first quarter soil-screening results in the soil-contamination area indicate decreased contaminant concentration in the areas of SB-1, SB-2, and SB-14.

Seven of the fourteen groundwater-monitoring wells at the site exhibited groundwater-contaminant concentrations greater than the GCTL during the first quarter 2004. These seven wells are: CEF-46-1S, -2S, -5I, -7I, -12I, -13I, and -26I.

LNAPL was not noted in any monitoring well during the first quarter 2004 monitoring period.

As a result of anaerobic conditions in the aquifer which were not conducive to the biodegradation of the contaminants of concern, nutrient injection was discontinued in April, 2004. Nitrogen and phosphorus are no longer being injected into the subsurface; rather the compressors are currently used to inject air only as an oxygen source into the subsurface to enhance the biodegradation of BTEX, naphthalene, MTBE, and TRPH.

4.2 Recommendations

Based on laboratory data obtained to date, the following is recommended for the site:

- Continue injecting air into the subsurface to enhance biodegradation.
- Continue groundwater sampling from all fourteen of the monitoring wells on a quarterly basis.
- Continue soil sampling from boring locations SB-1, SB-2, and SB-14 on a quarterly basis.

5.0 References

Harding Lawson Associates, Inc. 1998. Site Assessment Report; Building 46.

Tetra Tech NUS, Inc. (TtNUS), June 2000. Remedial Action Plan Addendum; Building 46, Former Tanks 46R, 46D, 46SUL and 46UL; Naval Air Station Cecil Field, Jacksonville, Florida.

APPENDICES

A	*1st Quarter 2004 Laboratory Analytical Reports for Soil Samples*
B	*1st Quarter 2004 Laboratory Analytical Reports for Groundwater Samples*
C	*1st Quarter 2004 Groundwater Sampling Logs*
D	*1st Quarter 2004 Site Visit Reports*

APPENDIX A

1st Quarter 2004 Laboratory Analytical Reports for Soil Samples

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TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 368260

Client Name : Terraine

Cooler Received/Opened On: 3/19/04 **Accessioned By:** Mark Beasley

M. Bly
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 3.4 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

UPS	Velocity	Airborne	Route	Off-street	Fedex	Misc.
9035		9057	9046	9024		

19. If a Non-Conformance exists, see attached or comments below:

368260

TestAmerica, Inc.

2960 Foster Creighton Dr.
Nashville, TN 37204
Tel. No. 800-765-0980
Fax No. 615-726-0954

Terraine, Inc. - Chain Of Custody Record

ACCOUNT INFORMATION		TERRAINE PROJECT NO.	
TAI ACCOUNT NO: 9463	NAME OF PM TO BILL: James L. Young	0 4 - 4 1 0 0 1	DATE: 3/18/04
TAI QUOTE NO: 09230210902	PURCHASE ORDER NO 04-41001/3.4.2	TERRAINE TASK NO.	PAGE: 1 of 1
		3.4.2	

CONSULTANT COMPANY: TERRAINE, INC.
BILLING ADDRESS: 7380 Phillips Highway, Suite 106
CITY: Jacksonville, Florida 32256
TELEPHONE: 904-296-6001 | FAX: 305-513-4902 (main) | E-MAIL: jly@terraine.com

QC DELIVERABLES
- [x] STANDARD
- [ ] LEVEL 2
- --------- BATCH QC ---------
- [ ] LEVEL 3
- [ ] LEVEL 4

SITE DESCRIPTION: Building 46
SITE ADDRESS (STREET, CITY, STATE): NAS Cecil Field, Jacksonville, Florida
PROJECT CONTACT (Report to): James L. Young | PROJECT CONTACT CELL PHONE: 305-490-7702 | PROJECT CONTACT E-MAIL: jly@terraine.com
FACILITY ID NO:
CONTRACT NO / CONTRACT TASK ORDER NO (for Federal Projects): N62467-02-G-0352 / CTO#0001
SAMPLER NAME(S) (Print): K.Baer L. Wolski
SAMPLER NAME(S) (Signature): [signature]
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): [x] STD [ ] 10 DAYS [ ] 5 DAYS [ ] 3 DAYS [ ] <24 HRS
ELECTRONIC DELIVERABLES: [x] FAX RESULTS [x] E-MAIL PDF [x] ELEC. DATA

TEMPERATURE ON RECEIPT (°C):

SPECIAL INSTRUCTIONS OR NOTES: 48 hour hold report nitrate/nitrite separately

REQUESTED ANALYSIS (if more than one method is listed, circle one)

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX (AIR, GW, SOIL, SLUDGE, WW, ETC)	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8015) GRO	TPH - Extractable (8015) DRO	BTEX / MTBE (8021B)	BTEX / MTBE + Oxygenates (8260B)	VOCs (8260B)	VOCs Aromatic (8021B)	VOCs Halogenated (8021B)	PAH (8270)	Metals (Specify)	TRPH (FL-PRO)	Vapor VOCs BTEX, MTBE/GRO (EPA-18, TO-18)	Vapor VOCs Full List (EPA-18, TO	Pre burn (8021, Halogenated, FL-Pro, As, Cd, Cr, Pb)	Nitrate	Nitrite	Orthophosphate				Container PID Readings or Laboratory Notes/Remarks
	SB-1 8'	3/18	1503	soil				2	3	5			X					X		X										40256
	SB-2 8'	3/18	1575	soil				2	3	5			X					X		X										57
	SB-14 4'	3/18	1344	soil				2	3	5			X					X		X										58
	CEF-46-1S	3/18	1117	GW	5			3		8			X					X		X				X	X	X				60
	CEF-46-2S	3/18	0748	GW	5			3		8			X					X		X				X	X	X				61
	CEF-46-7I	3/18	1017	GW	5			3		8			X					X		X				X	X	X				62
	CEF-46-26I	3/18	0850	GW	5			3		8			X					X		X				X	X	X				63
	CEF-46-5I	3/18	0805	GW	5			3		8			X					X		X				X	X	X				64
	CEF-46-12I	3/18	1005	GW	5			3		8			X					X		X				X	X	X				65
	CEF-46-13I	3/18	1045	GW	5			3		8			X					X		X				X	X	X				40266

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]		3/18/04	
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time
	[signature]	3/19/04	8:00

05/1/01 Revision

3.4

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

368260

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Terraine Inc Client #: 9463
Address: 7380 phillips Hwy Suite 106
City/State/Zip Code: Jacksonville, FL
Project Manager: James Young
Telephone Number: 904-296-6001 Fax: 305-513-4902
Sampler Name: (Print Name) Karen Bacr Larry Wolski
Sampler Signature: Karen Bacr

Project Name: Cecil Field Building 7
Project #: 04-41001/2
Site/Location ID: State: FL
Report To: James Young
Invoice To: James Young
Quote #: 09230210902 PO#: ~~04-41001/8~~ 04-41001/2.4.2

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: standard

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	BTEX/MTBE 8021B	PAH 8270	TPH FLPRO								REMARKS
SB-4 8'	3/18/09	1549			Soil						2	3	X	X	X								40259

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

Relinquished By	Date	Time	Received By	Date	Time
Karen Bacr	3/18/09	17:00	MB	3/19/09	8:00

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

4/ 1/04 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: BUILDING 46
Project Number: N62467-02-G-0352/CTO #1.
Laboratory Project Number: 368260.

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.

Sample Identification	Lab Number	Collection Date
SB-1 8	04-A40256	3/18/04
SB-2 8	04-A40257	3/18/04
SB-14 4	04-A40258	3/18/04
CEF-46-1S	04-A40260	3/18/04
CEF-46-2S	04-A40261	3/18/04
CEF-46-7I	04-A40262	3/18/04
CEF-46-26I	04-A40263	3/18/04
CEF-46-5I	04-A40264	3/18/04
CEF-46-12I	04-A40265	3/18/04
CEF-46-13I	04-A40266	3/18/04
CEF-46-21I	04-A40267	3/18/04
FB-BLDG 46	04-A40268	3/18/04
Trip Blank	04-A40269	

TestAmerica
ANALYTICAL TESTING CORPORATION

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 4/ 1/04

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

Laboratory Certification Number: E87358

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40256
Sample ID: SB-1 8
Sample Type: Soil
Site ID:

Date Collected: 3/18/04
Time Collected: 15:03
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	82.9	%		1	3/19/04	8:56	B.Plett	CLP	7198
ORGANIC PARAMETERS									
Benzene	0.0021	mg/kg	0.0012	1	3/24/04	9:26	J. Redmond	8021B	1639
Ethylbenzene	0.0597	mg/kg	0.0012	1	3/24/04	9:26	J. Redmond	8021B	1639
Toluene	0.0218	mg/kg	0.0012	1	3/24/04	9:26	J. Redmond	8021B	1639
Xylenes, total	0.333	mg/kg	0.0012	1	3/24/04	9:26	J. Redmond	8021B	1639
MTBE	ND	mg/kg	0.006	1	3/24/04	9:26	J. Redmond	8021B	1639
TRPH	12.3	mg/kg	12.1	1	3/24/04	3:20	Weatherly	FPRO	1455
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Acenaphthylene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Anthracene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Benzo(a)anthracene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Benzo(a)pyrene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Benzo(b)fluoranthene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Benzo(g,h,i)perylene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Benzo(k)fluoranthene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Chrysene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Dibenz(a,h)anthracene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Fluoranthene	0.00796	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Fluorene	0.0131	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
2-Methylnaphthalene	0.704	mg/kg	0.00796	2	3/31/04	14:10	D. Harris	8270C-SIM	289

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40256
Sample ID: SB-1 8
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Naphthalene	0.277	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Phenanthrene	0.0123	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
Pyrene	ND	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289
1-Methylnapthalene	0.322	mg/kg	0.00398	1	3/30/04	22:22	D. Harris	8270C-SIM	289

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
FL-PRO	25. g	2.0 ml	3/22/04		M. Ricke	FDEP
PAH-SIM	30.3 gm	1.0 ml	3/20/04		M. Ricke	3550
BTX Prep	5.05 g	5.0 ml	3/19/04	14:52	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	117.	60. - 130.
TPH sur, o-Terphenyl	126. #	62. - 109.
TPH Surr, C-35	118.	60. - 118.
BNA Surr-Nitrobenzene-d5	118.	10. - 164.
BNA Surr-2-Fluorobiphenyl	68.	51. - 96.
BNA Surr-Terphenyl-d14	81.	52. - 106.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40256
Sample ID: SB-1 8
Project: N62467-02-G-0352/CTO #1
Page 3

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.
All reported results for metals or Organic analyses have been corrected for dry weight.
Fla PRO surrogates slightly elevated.

End of Sample Report.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40257
Sample ID: SB-2 8
Sample Type: Soil
Site ID:

Date Collected: 3/18/04
Time Collected: 15:15
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	78.2	%		1	3/19/04	8:56	B.Plett	CLP	7198
ORGANIC PARAMETERS									
Benzene	0.0028	mg/kg	0.0013	1	3/24/04	11:11	J. Redmond	8021B	1639
Ethylbenzene	1.46	mg/kg	0.0639	50	3/24/04	4:02	J. Redmond	8021B	7637
Toluene	0.0389	mg/kg	0.0013	1	3/24/04	11:11	J. Redmond	8021B	1639
Xylenes, total	6.52	mg/kg	0.0639	50	3/24/04	4:02	J. Redmond	8021B	7637
MTBE	0.015	mg/kg	0.006	1	3/24/04	11:11	J. Redmond	8021B	1639
TRPH	48.2	mg/kg	12.8	1	3/24/04	3:40	Weatherly	FPRO	1455
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Acenaphthylene	0.0253	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Anthracene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Benzo(a)anthracene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Benzo(a)pyrene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Benzo(b)fluoranthene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Benzo(g,h,i)perylene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Benzo(k)fluoranthene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Chrysene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Dibenz(a,h)anthracene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Fluoranthene	0.011	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Fluorene	0.0611	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
2-Methylnaphthalene	2.93	mg/kg	0.0422	10	3/31/04	14:40	D. Harris	8270C-SIM	289

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40257
Sample ID: SB-2 8
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Naphthalene	1.1	mg/kg	0.0422	10	3/31/04	14:40	D. Harris	8270C-SIM	289
Phenanthrene	0.0769	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
Pyrene	0.0143	mg/kg	0.00422	1	3/30/04	22:52	D. Harris	8270C-SIM	289
1-Methylnapthalene	1.65	mg/kg	0.0422	10	3/31/04	14:40	D. Harris	8270C-SIM	289

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
FL-PRO	25. g	2.0 ml	3/22/04		M. Ricke	FDEP
PAH-SIM	29.9 gm	1.0 ml	3/20/04		M. Ricke	3550
BTX Prep	4.98 g	5.0 ml	3/19/04	14:54	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	150. #	60. - 130.
TPH sur, o-Terphenyl	96.	62. - 109.
TPH Surr, C-35	100.	60. - 118.
BNA Surr-Nitrobenzene-d5	79.	10. - 164.
BNA Surr-2-Fluorobiphenyl	77.	51. - 96.
BNA Surr-Terphenyl-d14	88.	52. - 106.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40257
Sample ID: SB-2 8
Project: N62467-02-G-0352/CTO #1

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.
All reported results for metals or Organic analyses have been corrected for dry weight.
BTEX surrogate recovery elevated due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40258
Sample ID: SB-14 4
Sample Type: Soil
Site ID:

Date Collected: 3/18/04
Time Collected: 13:44
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	89.3	%		1	3/19/04	8:56	B.Plett	CLP	7198
ORGANIC PARAMETERS									
Benzene	0.0012	mg/kg	0.0011	1	3/24/04	10:01	J. Redmond	8021B	1639
Ethylbenzene	0.0063	mg/kg	0.0011	1	3/24/04	10:01	J. Redmond	8021B	1639
Toluene	0.0019	mg/kg	0.0011	1	3/24/04	10:01	J. Redmond	8021B	1639
Xylenes, total	0.0027	mg/kg	0.0011	1	3/24/04	10:01	J. Redmond	8021B	1639
MTBE	ND	mg/kg	0.006	1	3/24/04	10:01	J. Redmond	8021B	1639
TRPH	20.7	mg/kg	11.2	1	3/24/04	3:59	Weatherly	FPRO	1455
EXTRACTABLE ORGANICS									
Acenaphthene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Acenaphthylene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Anthracene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Benzo(a)anthracene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Benzo(a)pyrene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Benzo(b)fluoranthene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Benzo(g,h,i)perylene	0.0103	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Benzo(k)fluoranthene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Chrysene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Dibenz(a,h)anthracene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Fluoranthene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Fluorene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
2-Methylnaphthalene	0.0144	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40258
Sample ID: SB-14 4
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Naphthalene	0.0085	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Phenanthrene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
Pyrene	ND	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289
1-Methylnapthalene	0.00628	mg/kg	0.0037	1	3/30/04	23:21	D. Harris	8270C-SIM	289

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
FL-PRO	25. g	2.0 ml	3/22/04		M. Ricke	FDEP
PAH-SIM	29.7 gm	1.0 ml	3/20/04		M. Ricke	3550
BTX Prep	4.95 g	5.0 ml	3/19/04	14:56	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	87.	60. - 130.
TPH sur, o-Terphenyl	92.	62. - 109.
TPH Surr, C-35	105.	60. - 118.
BNA Surr-Nitrobenzene-d5	129.	10. - 164.
BNA Surr-2-Fluorobiphenyl	77.	51. - 96.
BNA Surr-Terphenyl-d14	92.	52. - 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.
All reported results for metals or Organic analyses have been corrected for dry weight.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 1
Laboratory Receipt Date: 3/19/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for 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	Q.C. Batch	Spike Sample
UST ANALYSIS								
Ethylbenzene	mg/kg	< 0.0010	0.0297	0.0500	59	16. - 151.	7637	04-A40860
Xylenes, total	mg/kg	0.0015	0.0542	0.100	53	45. - 155.	7637	04-A40860
TRPH	mg/kg	< 10.0	3.76	17.0	22#	62. - 163.	1455	04-A41653
Benzene	mg/l	0.00140	0.0565	0.0500	110	53. - 159.	8086	04-A40264
Benzene	mg/l	0.0516	0.103	0.0500	103	53. - 159.	1879	04-A41032
Toluene	mg/l	0.0011	0.0589	0.0500	116	54. - 156.	8086	04-A40264
Toluene	mg/l	< 0.0010	0.0549	0.0500	110	54. - 156.	1879	04-A41032
Ethylbenzene	mg/l	< 0.0010	0.0576	0.0500	115	50. - 159.	8086	04-A40264
Ethylbenzene	mg/l	< 0.0010	0.0543	0.0500	109	50. - 159.	1879	04-A41032
Xylenes (Total)	mg/l	0.0039	0.118	0.100	114	53. - 151.	8086	04-A40264
Xylenes (Total)	mg/l	< 0.0030	0.106	0.100	106	53. - 151.	1879	04-A41032
Methyl-t-butylether	mg/l	0.0284	0.0827	0.0500	109	36. - 158.	8086	04-A40264
TRPH	mg/l	< 0.100	0.293	0.430	68	41. - 101.	9078	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				99	70 - 124	8086	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				91	70 - 124	1879	
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/l	< 0.00010	0.00094	0.00100	94	46 - 125	1754	Blank
Pyrene	mg/l	< 0.00010	0.00094	0.00100	94	47 - 152	1754	Blank
BNA Surr-Nitrobenzene-d5	% Rec				95	25 - 121	1754	
BNA Surr-Nitrobenzene-d5	% Rec				119	10 - 164	289	
BNA Surr-2-Fluorobiphenyl	% Rec				81	33 - 111	1754	
BNA Surr-2-Fluorobiphenyl	% Rec				101	51 - 96	289	
BNA Surr-Terphenyl-d14	% Rec				103	11 - 139	1754	
BNA Surr-Terphenyl-d14	% Rec				148	52 - 106	289	

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 2
Laboratory Receipt Date: 3/19/04

MISC PARAMETERS								
Nitrate-N as N	mg/l	0.130	3.47	3.00	111	80 - 120	7231	04-A40251
Nitrate-N as N	mg/l	< 0.600	15.1	18.0	84	80 - 120	7235	04-A40266
Nitrite-N as N	mg/l	< 0.30	7.47	9.00	83	80 - 120	7235	04-A40266
Ortho Phosphate as P	mg/l	< 0.100	0.256	0.250	102	80 - 120	7221	04-A40268

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Ethylbenzene	mg/kg	0.0297	0.0339	13.21	40.	7637
Xylenes, total	mg/kg	0.0542	0.0604	10.82	44.	7637
TRPH	mg/kg	3.76	15.1	120.26#	25.	1455
Benzene	mg/l	0.0565	0.0595	5.17	21.	8086
Benzene	mg/l	0.103	0.103	0.00	21.	1879
Toluene	mg/l	0.0589	0.0613	3.99	25.	8086
Toluene	mg/l	0.0549	0.0568	3.40	25.	1879
Ethylbenzene	mg/l	0.0576	0.0604	4.75	25.	8086
Ethylbenzene	mg/l	0.0543	0.0564	3.79	25.	1879
Xylenes (Total)	mg/l	0.118	0.122	3.33	24.	8086
Xylenes (Total)	mg/l	0.106	0.110	3.70	24.	1879
Methyl-t-butylether	mg/l	0.0827	0.0856	3.45	24.	8086
Methyl-t-butylether	mg/l	0.0539	0.0559	3.64	24.	1879
TRPH	mg/l	0.293	0.343	15.72	20.	9078
BTEX/GRO Surr., a,a,a-TFT	% Recovery		99.			8086
BTEX/GRO Surr., a,a,a-TFT	% Recovery		90.			1879
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00094	0.00116	20.95	51.	1754
Pyrene	mg/l	0.00094	0.00107	12.94	47.	1754

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 3
Laboratory Receipt Date: 3/19/04

BNA Surr-Nitrobenzene-d5	% Rec		110.			1754
BNA Surr-Nitrobenzene-d5	% Rec		119.			289
BNA Surr-2-Fluorobiphenyl	% Rec		97.			1754
BNA Surr-2-Fluorobiphenyl	% Rec		98.			289
BNA Surr-Terphenyl-d14	% Rec		116.			1754
BNA Surr-Terphenyl-d14	% Rec		145.			289
Nitrate-N as N	mg/l	3.47	3.47	0.00	20	7231
Nitrate-N as N	mg/l	15.1	14.9	1.33	20	7235
Nitrite-N as N	mg/l	3.27	3.25	0.61	20	7231
Nitrite-N as N	mg/l	7.47	7.56	1.20	20	7235
Ortho Phosphate as P	mg/l	0.256	0.256	0.00	20	7221

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.0987	99	71 - 127	1639
Toluene	mg/kg	0.100	0.0955	96	73 - 121	1639
Ethylbenzene	mg/kg	0.100	0.0993	99	71 - 127	1639
Ethylbenzene	mg/kg	0.100	0.0916	92	71 - 127	7637
Xylenes, total	mg/kg	0.200	0.199	100	72 - 123	1639
Xylenes, total	mg/kg	0.200	0.184	92	72 - 123	7637
MTBE	mg/kg	0.100	0.111	111	61 - 126	1639
TRPH	mg/kg	17.0	13.7	81	63 - 153	1455
Benzene	mg/l	0.100	0.106	106	76 - 118	8086
Benzene	mg/l	0.100	0.101	101	76 - 118	1879
Benzene	mg/l	0.100	0.100	100	76 - 118	1886
Toluene	mg/l	0.100	0.110	110	72 - 119	8086
Toluene	mg/l	0.100	0.105	105	72 - 119	1879
Toluene	mg/l	0.100	0.103	103	72 - 119	1886
Ethylbenzene	mg/l	0.100	0.110	110	72 - 119	8086
Ethylbenzene	mg/l	0.100	0.105	105	72 - 119	1879

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 4
Laboratory Receipt Date: 3/19/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Ethylbenzene	mg/l	0.100	0.104	104	72 - 119	1886
Xylenes (Total)	mg/l	0.200	0.216	108	71 - 123	8086
Xylenes (Total)	mg/l	0.200	0.205	102	71 - 123	1879
Xylenes (Total)	mg/l	0.200	0.203	102	71 - 123	1886
Methyl-t-butylether	mg/l	0.100	0.104	104	63 - 120	8086
Methyl-t-butylether	mg/l	0.100	0.103	103	63 - 120	1879
TRPH	mg/l	0.430	0.297	69	55 - 118	9078
BTEX/GRO Surr., a,a,a-TFT	% Recovery			93	70 - 124	8086
BTEX/GRO Surr., a,a,a-TFT	% Recovery			92	70 - 124	1879
BTEX/GRO Surr., a,a,a-TFT	% Recovery			96	70 - 124	1886
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00100	0.00106	106	46 - 125	1754
Acenaphthene	mg/kg	0.0330	0.0340	103	55 - 118	289
Acenaphthylene	mg/l	0.00100	0.00102	102	41 - 116	1754
Acenaphthylene	mg/kg	0.0330	0.0337	102	50 - 115	289
Anthracene	mg/l	0.00100	0.00110	110	52 - 123	1754
Anthracene	mg/kg	0.0330	0.0370	112	51 - 117	289
Benzo(a)anthracene	mg/l	0.00100	0.00105	105	51 - 137	1754
Benzo(a)anthracene	mg/kg	0.0330	0.0389	118 #	49 - 112	289
Benzo(a)pyrene	mg/l	0.00100	0.00096	96	37 - 129	1754
Benzo(a)pyrene	mg/kg	0.0330	0.0350	106	40 - 114	289
Benzo(b)fluoranthene	mg/l	0.00100	0.00106	106	42 - 145	1754
Benzo(b)fluoranthene	mg/kg	0.0330	0.0363	110	56 - 129	289
Benzo(g,h,i)perylene	mg/l	0.00100	0.00090	90	37 - 142	1754
Benzo(g,h,i)perylene	mg/kg	0.0330	0.0333	101	45 - 125	289
Benzo(k)fluoranthene	mg/l	0.00100	0.00105	105	51 - 157	1754
Benzo(k)fluoranthene	mg/kg	0.0330	0.0363	110	43 - 160	289
Chrysene	mg/l	0.00100	0.00080	80	60 - 142	1754
Chrysene	mg/kg	0.0330	0.0310	94	56 - 135	289
Dibenz(a,h)anthracene	mg/l	0.00100	0.00112	112	30 - 137	1754
Dibenz(a,h)anthracene	mg/kg	0.0330	0.0409	124	37 - 124	289

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 5
Laboratory Receipt Date: 3/19/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Fluoranthene	mg/l	0.00100	0.00134	134	51 - 139	1754
Fluoranthene	mg/kg	0.0330	0.0396	120	57 - 135	289
Fluorene	mg/l	0.00100	0.00111	111	47 - 126	1754
Fluorene	mg/kg	0.0330	0.0353	107	57 - 120	289
Indeno(1,2,3-cd)pyrene	mg/l	0.00100	0.00106	106	37 - 135	1754
Indeno(1,2,3-cd)pyrene	mg/kg	0.0330	0.0386	117	42 - 125	289
2-Methylnaphthalene	mg/l	0.00100	0.00063	63	29 - 119	1754
2-Methylnaphthalene	mg/kg	0.0330	0.0218	66	45 - 116	289
Naphthalene	mg/l	0.00100	0.00102	102	37 - 127	1754
Naphthalene	mg/kg	0.0330	0.0356	108	43 - 126	289
Phenanthrene	mg/l	0.00100	0.00120	120	52 - 141	1754
Phenanthrene	mg/kg	0.0330	0.0386	117	54 - 129	289
Pyrene	mg/l	0.00100	0.00103	103	47 - 152	1754
Pyrene	mg/kg	0.0330	0.0403	122	55 - 140	289
1-Methylnaphthalene	mg/l	0.00100	0.00060	60	29 - 129	1754
1-Methylnapthalene	mg/kg	0.0330	0.0208	63	50 - 113	289
BNA Surr-Nitrobenzene-d5	% Rec			102	25 - 121	1754
BNA Surr-Nitrobenzene-d5	% Rec			105	10 - 164	289
BNA Surr-2-Fluorobiphenyl	% Rec			88	33 - 111	1754
BNA Surr-2-Fluorobiphenyl	% Rec			90	51 - 96	289
BNA Surr-Terphenyl-d14	% Rec			113	11 - 139	1754
BNA Surr-Terphenyl-d14	% Rec			129	52 - 106	289
MISC PARAMETERS						
Nitrate-N as N	mg/l	3.00	3.11	104	90 - 110	7231
Nitrate-N as N	mg/l	3.00	3.10	103	90 - 110	7235
Nitrite-N as N	mg/l	3.00	3.15	105	90 - 110	7231
Nitrite-N as N	mg/l	3.00	3.15	105	90 - 110	7235
Ortho Phosphate as P	mg/l	0.250	0.258	103	88 - 107	7221

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 6
Laboratory Receipt Date: 3/19/04

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	< 0.600	< 0.600	N/A	15.	7231	04-A40265
Nitrate-N as N	mg/l	< 0.100	< 0.100	N/A	15.	7235	04-A40268
Nitrite-N as N	mg/l	< 0.60	< 0.60	N/A	15.	7231	04-A40265
Nitrite-N as N	mg/l	< 0.10	< 0.10	N/A	15.	7235	04-A40268
Ortho Phosphate as P	mg/l	< 0.100	< 0.100	N/A	15.	7221	04-A40174

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	1639	3/24/04	8:51
Toluene	< 0.0010	mg/kg	1639	3/24/04	8:51
Ethylbenzene	< 0.0010	mg/kg	7637	3/23/04	15:44
Ethylbenzene	< 0.0010	mg/kg	1639	3/24/04	8:51
Xylenes, total	< 0.0010	mg/kg	7637	3/23/04	15:44
Xylenes, total	< 0.0010	mg/kg	1639	3/24/04	8:51
MTBE	< 0.005	mg/kg	1639	3/24/04	8:51
TRPH	< 5.00	mg/kg	1455	3/24/04	2:02
Benzene	< 0.00071	mg/l	8086	3/22/04	16:53
Benzene	< 0.00071	mg/l	1879	3/23/04	16:00
Benzene	< 0.00071	mg/l	1886	3/24/04	5:09
Toluene	< 0.0007	mg/l	8086	3/22/04	16:53
Toluene	< 0.0007	mg/l	1879	3/23/04	16:00
Toluene	< 0.0007	mg/l	1886	3/24/04	5:09

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 7
Laboratory Receipt Date: 3/19/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.0008	mg/l	8086	3/22/04	16:53
Ethylbenzene	< 0.0008	mg/l	1879	3/23/04	16:00
Ethylbenzene	< 0.0008	mg/l	1886	3/24/04	5:09
Xylenes (Total)	< 0.0018	mg/l	8086	3/22/04	16:53
Xylenes (Total)	< 0.0018	mg/l	1879	3/23/04	16:00
Xylenes (Total)	< 0.0018	mg/l	1886	3/24/04	5:09
Methyl-t-butylether	< 0.0008	mg/l	8086	3/22/04	16:53
Methyl-t-butylether	< 0.0008	mg/l	1879	3/23/04	16:00
TRPH	< 0.100	mg/l	9078	3/22/04	10:32
TPH Surr., O-Terphenyl	124.	% Recovery	9078	3/22/04	10:32
TPH Surr, C-35	52.	% Recovery	9078	3/22/04	10:32
UST surr-Trifluorotoluene	81.	% Recovery	1639	3/24/04	8:51
BTEX/GRO Surr., a,a,a-TFT	96.	% Recovery	8086	3/22/04	16:53
BTEX/GRO Surr., a,a,a-TFT	96.	% Recovery	1879	3/23/04	16:00
BTEX/GRO Surr., a,a,a-TFT	95.	% Recovery	1886	3/24/04	5:09
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.00010	mg/l	1754	3/30/04	5:57
Acenaphthene	< 0.00330	mg/kg	289	3/30/04	19:24
Acenaphthylene	< 0.00010	mg/l	1754	3/30/04	5:57
Acenaphthylene	< 0.00330	mg/kg	289	3/30/04	19:24
Anthracene	< 0.00010	mg/l	1754	3/30/04	5:57
Anthracene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(a)anthracene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(a)anthracene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(a)pyrene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(a)pyrene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(b)fluoranthene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(b)fluoranthene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(g,h,i)perylene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(g,h,i)perylene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(k)fluoranthene	< 0.00010	mg/l	1754	3/30/04	5:57

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 8
Laboratory Receipt Date: 3/19/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Benzo(k)fluoranthene	< 0.00330	mg/kg	289	3/30/04	19:24
Chrysene	< 0.00010	mg/l	1754	3/30/04	5:57
Chrysene	< 0.00330	mg/kg	289	3/30/04	19:24
Dibenz(a,h)anthracene	< 0.00010	mg/l	1754	3/30/04	5:57
Dibenz(a,h)anthracene	< 0.00330	mg/kg	289	3/30/04	19:24
Fluoranthene	< 0.00010	mg/l	1754	3/30/04	5:57
Fluoranthene	< 0.00330	mg/kg	289	3/30/04	19:24
Fluorene	< 0.00010	mg/l	1754	3/30/04	5:57
Fluorene	< 0.00330	mg/kg	289	3/30/04	19:24
Indeno(1,2,3-cd)pyrene	< 0.00010	mg/l	1754	3/30/04	5:57
Indeno(1,2,3-cd)pyrene	< 0.00330	mg/kg	289	3/30/04	19:24
2-Methylnaphthalene	< 0.00010	mg/l	1754	3/30/04	5:57
2-Methylnaphthalene	< 0.00330	mg/kg	289	3/30/04	19:24
Naphthalene	< 0.00010	mg/l	1754	3/30/04	5:57
Naphthalene	< 0.00330	mg/kg	289	3/30/04	19:24
Phenanthrene	< 0.00010	mg/l	1754	3/30/04	5:57
Phenanthrene	< 0.00330	mg/kg	289	3/30/04	19:24
Pyrene	< 0.00010	mg/l	1754	3/30/04	5:57
Pyrene	< 0.00330	mg/kg	289	3/30/04	19:24
1-Methylnaphthalene	< 0.00010	mg/l	1754	3/30/04	5:57
1-Methylnapthalene	< 0.00330	mg/kg	289	3/30/04	19:24
BNA Surr-Nitrobenzene-d5	107.	% Rec	1754	3/30/04	5:57
BNA Surr-Nitrobenzene-d5	113.	% Rec	289	3/30/04	19:24
BNA Surr-2-Fluorobiphenyl	64.	% Rec	1754	3/30/04	5:57
BNA Surr-2-Fluorobiphenyl	75.	% Rec	289	3/30/04	19:24
BNA Surr-Terphenyl-d14	67.	% Rec	1754	3/30/04	5:57
BNA Surr-Terphenyl-d14	95.	% Rec	289	3/30/04	19:24

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 9
Laboratory Receipt Date: 3/19/04

MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	7231	3/19/04	18:40
Nitrate-N as N	< 0.100	mg/l	7235	3/19/04	23:44
Nitrite-N as N	< 0.10	mg/l	7231	3/19/04	18:40
Nitrite-N as N	< 0.10	mg/l	7235	3/19/04	23:44
Ortho Phosphate as P	< 0.100	mg/l	7221	3/19/04	14:32

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 368260

APPENDIX B

1st Quarter 2004 Laboratory Analytical Reports for Groundwater Samples

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Nashville Division

COOLER RECEIPT FORM **BC#** 367923

Client Name : Terraine, Inc.

Cooler Received/Opened On: 3/17/04 **Accessioned By:** Mike McBride

Log-in Personnel Signature

1. Temperature of Cooler when triaged: _____ **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES....NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

Fed-Ex	UPS	Velocity	Airborne	Route	Off-street	Misc.

19. If a Non-Conformance exists, see attached or comments below: #1) + #13) See multiple cooler receipt form.

367923

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Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Terraine Inc. Client #: 9463
Address: 7550 Phillips Hwy Suite 106
City/State/Zip Code: Jacksonville, FL 32256
Project Manager: James Young
Telephone Number: 904-296-6001 Fax: 305-513-4901
Sampler Name: (Print Name) Karen Baer / Larry Wolski
Sampler Signature: Karen Baer

Project Name: Building 46
Project #: 04-41001/3
Site/Location ID: _____ State: FL
Report To: James Young
Invoice To: James Young
Quote #: 09230210902 PO#: 04-41001/3.4.2

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: (Y) N
email pdf elec. Data

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	BTEX/MTBE 8021B	PAH 8270	TRPH FL-PRO	Nitrate	Nitrite	Orthophosphate					QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: Standard — REMARKS
CEF-46-9I	3/16	1350			GW		5				4		X	X	X	X	X	X					04A38737
CEF-46-25I	3/16	1520			GW		5				4		X	X	X	X	X	X					38
CEF-46-15I	3/16	1228			GW		5				4		X	X	X	X	X	X					39
CEF-46-6D	3/16	1536			GW		5				4		X	X	X	X	X	X					40
CEF-46-14D	3/16	1217			GW		5				4		X	X	X	X	X	X					41
CEF-46-24D	3/16	1357			GW		5				4		X	X	X	X	X	X					42
tripBlank													X										38743

Special Instructions:
48-hour hold

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Karen Baer	3/16/04	17:20			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	31704 Date:	0800 Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

367923

Last digits of trk #	Temperature in C	custody seals intact	# of seals and where
8911	1.6	NO	
8933	2.4	NO	
8922	3.6	NO	
8944	3.1	NO	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	
		yes no	

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3/30/04 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: BUILDING 46
Project Number: 04-41001/3.
Laboratory Project Number: 367923.

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.

Sample Identification	Lab Number	Collection Date
CEF-46-9I	04-A38737	3/16/04
CEF-46-25I	04-A38738	3/16/04
CEF-46-15I	04-A38739	3/16/04
CEF-46-6D	04-A38740	3/16/04
CEF-46-14D	04-A38741	3/16/04
CEF-46-24D	04-A38742	3/16/04
Trip Blank	04-A38743	

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Sample Identification	Lab Number	Collection Date

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: 3/29/04

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

Laboratory Certification Number: E87358

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38737
Sample ID: CEF-46-9I
Sample Type: Water
Site ID:

Date Collected: 3/16/04
Time Collected: 13:50
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/19/04	10:11	D. Otero	8021B	5270
Ethylbenzene	ND	ug/L	1.0	1.0	3/19/04	10:11	D. Otero	8021B	5270
Toluene	ND	ug/L	1.0	1.0	3/19/04	10:11	D. Otero	8021B	5270
Xylenes (Total)	ND	ug/L	3.0	1.0	3/19/04	10:11	D. Otero	8021B	5270
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/19/04	10:11	D. Otero	8021B	5270
TRPH	ND	ug/L	111.	1.0	3/21/04	0:36	L. Watson	FPRO	6930
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Acenaphthylene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Anthracene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Benzo(a)anthracene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Benzo(a)pyrene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Benzo(b)fluoranthene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Benzo(g,h,i)perylene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Benzo(k)fluoranthene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Chrysene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Dibenz(a,h)anthracene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Fluoranthene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Fluorene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
2-Methylnaphthalene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Naphthalene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Phenanthrene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
Pyrene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956
1-Methylnaphthalene	ND	ug/L	0.11	1.0	3/27/04	10:13	D. Harris	8270C-SIM	6956

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38737
Sample ID: CEF-46-9I
Project: 04-41001/3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.300	3.0	3/17/04	11:05	S. Overton	300	4527
Nitrite-N as N	ND	mg/L	0.30	3.0	3/17/04	11:05	S. Overton	300	4527
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/17/04	14:18	T. Beverly	365.2	4512

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	900. ml	1.0 ml	3/18/04		K. Turner	3510C
Fla Pro	900. ml	1.0 ml	3/18/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	121.	82. - 142.
TPH Surr, C-35	94.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	99.	70. - 124.
BNA Surr-Nitrobenzene-d5	21. #	25. - 121.
BNA Surr-2-Fluorobiphenyl	60.	33. - 111.
BNA Surr-Terphenyl-d14	68.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38738
Sample ID: CEF-46-25I
Sample Type: Water
Site ID:

Date Collected: 3/16/04
Time Collected: 15:20
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/20/04	17:20	D. Otero	8021B	5272
Ethylbenzene	ND	ug/L	1.0	1.0	3/20/04	17:20	D. Otero	8021B	5272
Toluene	ND	ug/L	1.0	1.0	3/20/04	17:20	D. Otero	8021B	5272
Xylenes (Total)	ND	ug/L	3.0	1.0	3/20/04	17:20	D. Otero	8021B	5272
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/20/04	17:20	D. Otero	8021B	5272
TRPH	ND	ug/L	111.	1.0	3/21/04	0:56	L. Watson	FPRO	6930
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Acenaphthylene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Anthracene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Chrysene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Fluoranthene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Fluorene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Naphthalene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Phenanthrene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
Pyrene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	10:43	D. Harris	8270C-SIM	6956

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38738
Sample ID: CEF-46-25I
Project: 04-41001/3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.300	3.0	3/17/04	11:05	S. Overton	300	4527
Nitrite-N as N	ND	mg/L	0.10	1.0	3/17/04	11:05	S. Overton	300	4527
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/17/04	14:18	T. Beverly	365.2	4512

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	980. ml	1.0 ml	3/18/04		K. Turner	3510C
Fla Pro	900. ml	1.0 ml	3/18/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	110.	82. - 142.
TPH Surr, C-35	106.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	100.	70. - 124.
BNA Surr-Nitrobenzene-d5	1900 #	25. - 121.
BNA Surr-2-Fluorobiphenyl	57.	33. - 111.
BNA Surr-Terphenyl-d14	68.	11. - 139.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38738
Sample ID: CEF-46-25I
Project: 04-41001/3

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.
SIMS 8270 surrogates outside QC range due to possible sample matrix. The sample extract was non-detect, therefore the data was accepted without further analysis.

End of Sample Report.

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38739
Sample ID: CEF-46-15I
Sample Type: Water
Site ID:

Date Collected: 3/16/04
Time Collected: 12:28
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/20/04	17:54	D. Otero	8021B	5272
Ethylbenzene	ND	ug/L	1.0	1.0	3/20/04	17:54	D. Otero	8021B	5272
Toluene	ND	ug/L	1.0	1.0	3/20/04	17:54	D. Otero	8021B	5272
Xylenes (Total)	ND	ug/L	3.0	1.0	3/20/04	17:54	D. Otero	8021B	5272
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/20/04	17:54	D. Otero	8021B	5272
TRPH	ND	ug/L	100.	1.0	3/21/04	1:16	L. Watson	FPRO	6930
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Acenaphthylene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Anthracene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Benzo(a)anthracene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Benzo(a)pyrene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Benzo(b)fluoranthene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Benzo(g,h,i)perylene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Benzo(k)fluoranthene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Chrysene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Dibenz(a,h)anthracene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Fluoranthene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Fluorene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
2-Methylnaphthalene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Naphthalene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Phenanthrene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
Pyrene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956
1-Methylnaphthalene	ND	ug/L	0.11	1.0	3/27/04	11:13	D. Harris	8270C-SIM	6956

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38739
Sample ID: CEF-46-15I
Project: 04-41001/3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/17/04	11:05	S. Overton	300	4527
Nitrite-N as N	ND	mg/L	0.10	1.0	3/17/04	11:05	S. Overton	300	4527
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/17/04	14:18	T. Beverly	365.2	4512

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	900. ml	1.0 ml	3/18/04		K. Turner	3510C
Fla Pro	950. ml	1.0 ml	3/18/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	54. #	82. - 142.
TPH Surr, C-35	45.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	100.	70. - 124.
BNA Surr-Nitrobenzene-d5	69.	25. - 121.
BNA Surr-2-Fluorobiphenyl	71.	33. - 111.
BNA Surr-Terphenyl-d14	83.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38740
Sample ID: CEF-46-6D
Sample Type: Water
Site ID:

Date Collected: 3/16/04
Time Collected: 15:36
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/20/04	18:28	D. Otero	8021B	5272
Ethylbenzene	ND	ug/L	1.0	1.0	3/20/04	18:28	D. Otero	8021B	5272
Toluene	ND	ug/L	1.0	1.0	3/20/04	18:28	D. Otero	8021B	5272
Xylenes (Total)	ND	ug/L	3.0	1.0	3/20/04	18:28	D. Otero	8021B	5272
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/20/04	18:28	D. Otero	8021B	5272
TRPH	ND	ug/L	100.	1.0	3/21/04	1:35	L. Watson	FPRO	6930
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Acenaphthylene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Anthracene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Chrysene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Fluoranthene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Fluorene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Naphthalene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Phenanthrene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
Pyrene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	11:42	D. Harris	8270C-SIM	6956

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38740
Sample ID: CEF-46-6D
Project: 04-41001/3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.500	5.0	3/17/04	11:05	S. Overton	300	4527
Nitrite-N as N	ND	mg/L	1.00	10.0	3/17/04	11:05	S. Overton	300	4527
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/17/04	14:18	T. Beverly	365.2	4512

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	940. ml	1.0 ml	3/18/04		K. Turner	3510C
Fla Pro	950. ml	1.0 ml	3/18/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	124.	82. - 142.
TPH Surr, C-35	95.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	101.	70. - 124.
BNA Surr-Nitrobenzene-d5	328. #	25. - 121.
BNA Surr-2-Fluorobiphenyl	56.	33. - 111.
BNA Surr-Terphenyl-d14	50.	11. - 139.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38740
Sample ID: CEF-46-6D
Project: 04-41001/3

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.
SIMS 8270 surrogates outside QC range due to possible sample matrix. The sample extract was non-detect, therefore the data was accepted without further analysis.

End of Sample Report.

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38741
Sample ID: CEF-46-14D
Sample Type: Water
Site ID:

Date Collected: 3/16/04
Time Collected: 12:17
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/20/04	16:46	D. Otero	8021B	5272
Ethylbenzene	ND	ug/L	1.0	1.0	3/20/04	16:46	D. Otero	8021B	5272
Toluene	ND	ug/L	1.0	1.0	3/20/04	16:46	D. Otero	8021B	5272
Xylenes (Total)	ND	ug/L	3.0	1.0	3/20/04	16:46	D. Otero	8021B	5272
Methyl-t-butylether	4.2	ug/L	1.0	1.0	3/20/04	16:46	D. Otero	8021B	5272
TRPH	ND	ug/L	100.	1.0	3/21/04	1:55	L. Watson	FPRO	6930
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Acenaphthylene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Anthracene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Chrysene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Fluoranthene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Fluorene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Naphthalene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Phenanthrene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
Pyrene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	12:12	D. Harris	8270C-SIM	6956

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38741
Sample ID: CEF-46-14D
Project: 04-41001/3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/17/04	11:05	S. Overton	300	4527
Nitrite-N as N	ND	mg/L	0.10	1.0	3/17/04	11:05	S. Overton	300	4527
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/17/04	14:18	T. Beverly	365.2	4512

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	940. ml	1.0 ml	3/18/04		K. Turner	3510C
Fla Pro	950. ml	1.0 ml	3/18/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	114.	82. - 142.
TPH Surr, C-35	95.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	99.	70. - 124.
BNA Surr-Nitrobenzene-d5	56.	25. - 121.
BNA Surr-2-Fluorobiphenyl	60.	33. - 111.
BNA Surr-Terphenyl-d14	67.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38742
Sample ID: CEF-46-24D
Sample Type: Water
Site ID:

Date Collected: 3/16/04
Time Collected: 13:57
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/20/04	19:02	D. Otero	8021B	5272
Ethylbenzene	ND	ug/L	1.0	1.0	3/20/04	19:02	D. Otero	8021B	5272
Toluene	ND	ug/L	1.0	1.0	3/20/04	19:02	D. Otero	8021B	5272
Xylenes (Total)	ND	ug/L	3.0	1.0	3/20/04	19:02	D. Otero	8021B	5272
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/20/04	19:02	D. Otero	8021B	5272
TRPH	ND	ug/L	100.	1.0	3/21/04	2:15	L. Watson	FPRO	6930
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Acenaphthylene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Anthracene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Chrysene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Fluoranthene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Fluorene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Naphthalene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Phenanthrene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
Pyrene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/27/04	12:42	D. Harris	8270C-SIM	6956

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38742
Sample ID: CEF-46-24D
Project: 04-41001/3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.300	3.0	3/17/04	11:05	S. Overton	300	4527
Nitrite-N as N	ND	mg/L	0.10	1.0	3/17/04	11:05	S. Overton	300	4527
Ortho Phosphate as P	0.115	mg/L	0.100	1.0	3/17/04	14:18	T. Beverly	365.2	4512

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	960. ml	1.0 ml	3/18/04		K. Turner	3510C
Fla Pro	950. ml	1.0 ml	3/18/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	95.	82. - 142.
TPH Surr, C-35	45.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	100.	70. - 124.
BNA Surr-Nitrobenzene-d5	0. #	25. - 121.
BNA Surr-2-Fluorobiphenyl	67.	33. - 111.
BNA Surr-Terphenyl-d14	75.	11. - 139.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A38742
Sample ID: CEF-46-24D
Project: 04-41001/3

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.
SIMS 8270 surrogate Nitrobenzene (d5) is outside QC range, non-matrix related. The sample was re-extracted outside of holding time. Re-extraction surrogate values were within QC limits. Results (mg/L) from re-extraction were: Naphthalene 0.00017, 2-Methylnaphthalene 0.00017, Acenaphthene 0.00010, Fluorene 0.00010, and Phenanthrene 0.00033 (mg/L).

End of Sample Report.

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ANALYTICAL REPORT

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

Project: 04-41001/3
Project Name: BUILDING 46
Sampler: K.BAER/L.WOLSKI

Lab Number: 04-A38743
Sample ID: Trip Blank
Sample Type: Water
Site ID:

Date Collected:
Time Collected:
Date Received: 3/17/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/20/04	16:13	D. Otero	8021B	5272
Ethylbenzene	ND	ug/L	1.0	1.0	3/20/04	16:13	D. Otero	8021B	5272
Toluene	23.0	ug/L	1.0	1.0	3/20/04	16:13	D. Otero	8021B	5272
Xylenes (Total)	ND	ug/L	3.0	1.0	3/20/04	16:13	D. Otero	8021B	5272
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/20/04	16:13	D. Otero	8021B	5272

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	103.	70. - 124.

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.

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PROJECT QUALITY CONTROL DATA
Project Number: 04-41001/3
Project Name: BUILDING 46
Page: 1
Laboratory Receipt Date: 3/17/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for 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	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00100	0.0570	0.0500	114	53. - 159.	5270	04-A38206
Benzene	mg/l	< 0.00100	0.0552	0.0500	110	53. - 159.	5272	04-A38741
Toluene	mg/l	< 0.0010	0.0568	0.0500	114	54. - 156.	5270	04-A38206
Toluene	mg/l	< 0.0010	0.0555	0.0500	111	54. - 156.	5272	04-A38741
Ethylbenzene	mg/l	< 0.0010	0.0564	0.0500	113	50. - 159.	5270	04-A38206
Ethylbenzene	mg/l	< 0.0010	0.0550	0.0500	110	50. - 159.	5272	04-A38741
Xylenes (Total)	mg/l	< 0.0030	0.110	0.100	110	53. - 151.	5270	04-A38206
Xylenes (Total)	mg/l	< 0.0030	0.107	0.100	107	53. - 151.	5272	04-A38741
Methyl-t-butylether	mg/l	< 0.0010	0.0526	0.0500	105	36. - 158.	5270	04-A38206
Methyl-t-butylether	mg/l	0.0042	0.0504	0.0500	92	36. - 158.	5272	04-A38741
TRPH	mg/l	< 0.100	0.443	0.430	103#	41. - 101.	6930	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				97	70 - 124	5270	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				97	70 - 124	5272	
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/l	< 0.00010	0.00097	0.00100	97	46 - 125	6956	04-A38246
Pyrene	mg/l	< 0.00010	0.00113	0.00100	113	47 - 152	6956	04-A38246
BNA Surr-Nitrobenzene-d5	% Rec				71	25 - 121	6956	
BNA Surr-2-Fluorobiphenyl	% Rec				68	33 - 111	6956	
BNA Surr-Terphenyl-d14	% Rec				76	11 - 139	6956	
MISC PARAMETERS								
Nitrite-N as N	mg/l	< 0.30	9.15	9.00	102	80 - 120	4527	04-A38709
Ortho Phosphate as P	mg/l	< 0.100	0.259	0.250	104	80 - 120	4512	04-A38675

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-41001/3
Project Name: BUILDING 46
Page: 2
Laboratory Receipt Date: 3/17/04

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0570	0.0582	2.08	21.	5270
Benzene	mg/l	0.0552	0.0574	3.91	21.	5272
Toluene	mg/l	0.0568	0.0572	0.70	25.	5270
Toluene	mg/l	0.0555	0.0578	4.06	25.	5272
Ethylbenzene	mg/l	0.0564	0.0555	1.61	25.	5270
Ethylbenzene	mg/l	0.0550	0.0567	3.04	25.	5272
Xylenes (Total)	mg/l	0.110	0.109	0.91	24.	5270
Xylenes (Total)	mg/l	0.107	0.110	2.76	24.	5272
Methyl-t-butylether	mg/l	0.0526	0.0558	5.90	24.	5270
Methyl-t-butylether	mg/l	0.0504	0.0550	8.73	24.	5272
TRPH	mg/l	0.443	0.395	11.46	20.	6930
BTEX/GRO Surr., a,a,a-TFT	% Recovery		96.			5270
BTEX/GRO Surr., a,a,a-TFT	% Recovery		97.			5272
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00097	0.00098	1.03	51.	6956
Pyrene	mg/l	0.00113	0.00110	2.69	47.	6956
BNA Surr-Nitrobenzene-d5	% Rec		77.			6956
BNA Surr-2-Fluorobiphenyl	% Rec		69.			6956
BNA Surr-Terphenyl-d14	% Rec		75.			6956
Nitrite-N as N	mg/l	9.15	9.09	0.66	20	4527
Ortho Phosphate as P	mg/l	0.259	0.259	0.00	20	4512

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-41001/3
Project Name: BUILDING 46
Page: 3
Laboratory Receipt Date: 3/17/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0982	98	76 - 118	5270
Benzene	mg/l	0.100	0.0985	98	76 - 118	5272
Toluene	mg/l	0.100	0.0963	96	72 - 119	5270
Toluene	mg/l	0.100	0.0969	97	72 - 119	5272
Ethylbenzene	mg/l	0.100	0.0951	95	72 - 119	5270
Ethylbenzene	mg/l	0.100	0.0953	95	72 - 119	5272
Xylenes (Total)	mg/l	0.200	0.185	92	71 - 123	5270
Xylenes (Total)	mg/l	0.200	0.186	93	71 - 123	5272
Methyl-t-butylether	mg/l	0.100	0.0988	99	63 - 120	5270
Methyl-t-butylether	mg/l	0.100	0.0938	94	63 - 120	5272
TRPH	mg/l	0.430	0.395	92	55 - 118	6930
BTEX/GRO Surr., a,a,a-TFT	% Recovery			94	70 - 124	5270
BTEX/GRO Surr., a,a,a-TFT	% Recovery			94	70 - 124	5272
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00100	0.00088	88	46 - 125	6956
Acenaphthylene	mg/l	0.00100	0.00086	86	41 - 116	6956
Anthracene	mg/l	0.00100	0.00096	96	52 - 123	6956
Benzo(a)anthracene	mg/l	0.00100	0.00108	108	51 - 137	6956
Benzo(a)pyrene	mg/l	0.00100	0.00107	107	37 - 129	6956
Benzo(b)fluoranthene	mg/l	0.00100	0.00107	107	42 - 145	6956
Benzo(g,h,i)perylene	mg/l	0.00100	0.00075	75	37 - 142	6956
Benzo(k)fluoranthene	mg/l	0.00100	0.00112	112	51 - 157	6956
Chrysene	mg/l	0.00100	0.00109	109	60 - 142	6956
Dibenz(a,h)anthracene	mg/l	0.00100	0.00085	85	30 - 137	6956
Fluoranthene	mg/l	0.00100	0.00096	96	51 - 139	6956
Fluorene	mg/l	0.00100	0.00088	88	47 - 126	6956
Indeno(1,2,3-cd)pyrene	mg/l	0.00100	0.00083	83	37 - 135	6956

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-41001/3
Project Name: BUILDING 46
Page: 4
Laboratory Receipt Date: 3/17/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Methylnaphthalene	mg/l	0.00100	0.00077	77	29 - 119	6956
Naphthalene	mg/l	0.00100	0.00087	87	37 - 127	6956
Phenanthrene	mg/l	0.00100	0.00090	90	52 - 141	6956
Pyrene	mg/l	0.00100	0.00101	101	47 - 152	6956
1-Methylnaphthalene	mg/l	0.00100	0.00074	74	29 - 129	6956
BNA Surr-Nitrobenzene-d5	% Rec			64	25 - 121	6956
BNA Surr-2-Fluorobiphenyl	% Rec			61	33 - 111	6956
BNA Surr-Terphenyl-d14	% Rec			73	11 - 139	6956
MISC PARAMETERS						
Nitrate-N as N	mg/l	3.00	3.27	109	90 - 110	4527
Nitrite-N as N	mg/l	3.00	3.26	109	90 - 110	4527
Ortho Phosphate as P	mg/l	0.250	0.245	98	88 - 107	4512

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	< 0.300	< 0.300	N/A	15.	4527	04-A38742
Nitrite-N as N	mg/l	< 0.10	< 0.10	N/A	15.	4527	04-A38742
Ortho Phosphate as P	mg/l	< 0.100	< 0.100	N/A	15.	4512	04-A38706

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-41001/3
Project Name: BUILDING 46
Page: 5
Laboratory Receipt Date: 3/17/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
UST PARAMETERS					
Benzene	< 0.00071	mg/l	5270	3/18/04	22:56
Benzene	< 0.00071	mg/l	5272	3/20/04	13:57
Toluene	< 0.0007	mg/l	5270	3/18/04	22:56
Toluene	< 0.0007	mg/l	5272	3/20/04	13:57
Ethylbenzene	< 0.0008	mg/l	5270	3/18/04	22:56
Ethylbenzene	< 0.0008	mg/l	5272	3/20/04	13:57
Xylenes (Total)	< 0.0018	mg/l	5270	3/18/04	22:56
Xylenes (Total)	< 0.0018	mg/l	5272	3/20/04	13:57
Methyl-t-butylether	< 0.0008	mg/l	5270	3/18/04	22:56
Methyl-t-butylether	< 0.0008	mg/l	5272	3/20/04	13:57
TRPH	< 0.100	mg/l	6930	3/20/04	20:40
TPH Surr., O-Terphenyl	175.	% Recovery	6930	3/20/04	20:40
TPH Surr, C-35	126.	% Recovery	6930	3/20/04	20:40
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	5270	3/18/04	22:56
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	5272	3/20/04	13:57
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.00010	mg/l	6956	3/27/04	3:10
Acenaphthylene	< 0.00010	mg/l	6956	3/27/04	3:10
Anthracene	< 0.00010	mg/l	6956	3/27/04	3:10
Benzo(a)anthracene	< 0.00010	mg/l	6956	3/27/04	3:10
Benzo(a)pyrene	< 0.00010	mg/l	6956	3/27/04	3:10
Benzo(b)fluoranthene	< 0.00010	mg/l	6956	3/27/04	3:10
Benzo(g,h,i)perylene	< 0.00010	mg/l	6956	3/27/04	3:10
Benzo(k)fluoranthene	< 0.00010	mg/l	6956	3/27/04	3:10
Chrysene	< 0.00010	mg/l	6956	3/27/04	3:10
Dibenz(a,h)anthracene	< 0.00010	mg/l	6956	3/27/04	3:10
Fluoranthene	< 0.00010	mg/l	6956	3/27/04	3:10
Fluorene	< 0.00010	mg/l	6956	3/27/04	3:10
Indeno(1,2,3-cd)pyrene	< 0.00010	mg/l	6956	3/27/04	3:10
2-Methylnaphthalene	< 0.00010	mg/l	6956	3/27/04	3:10

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 04-41001/3
Project Name: BUILDING 46
Page: 6
Laboratory Receipt Date: 3/17/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Naphthalene	< 0.00010	mg/l	6956	3/27/04	3:10
Phenanthrene	< 0.00010	mg/l	6956	3/27/04	3:10
Pyrene	< 0.00010	mg/l	6956	3/27/04	3:10
1-Methylnaphthalene	< 0.00010	mg/l	6956	3/27/04	3:10
BNA Surr-Nitrobenzene-d5	81.	% Rec	6956	3/27/04	3:10
BNA Surr-2-Fluorobiphenyl	80.	% Rec	6956	3/27/04	3:10
BNA Surr-Terphenyl-d14	95.	% Rec	6956	3/27/04	3:10
MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	4527	3/17/04	11:05
Nitrite-N as N	< 0.10	mg/l	4527	3/17/04	11:05
Ortho Phosphate as P	< 0.100	mg/l	4512	3/17/04	14:18

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 367923

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 368260

Client Name : Terraine

Cooler Received/Opened On: 3/19/04 **Accessioned By:** Mark Beasley

M. Bly
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 3.4 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

UPS	Velocity	Airborne	Route	Off-street	Fedex	Misc.
9035		9057	9046	9024		

19. If a Non-Conformance exists, see attached or comments below:

368260

TestAmerica, Inc.

2960 Foster Creighton Dr.
Nashville, TN 37204
Tel. No. 800-765-0980
Fax No. 615-726-0954

Terraine, Inc. - Chain Of Custody Record

ACCOUNT INFORMATION		TERRAINE PROJECT NO.	
TAI ACCOUNT NO: 9463	NAME OF PM TO BILL: James L. Young	0 4 - 4 1 0 0 1	DATE: 3/18/04
TAI QUOTE NO: 09230210902	PURCHASE ORDER NO 04-41001/3.4.2	TERRAINE TASK NO.	PAGE: 1 of 1
		3.4.2	

CONSULTANT COMPANY: TERRAINE, INC.
BILLING ADDRESS: 7380 Phillips Highway, Suite 106
CITY: Jacksonville, Florida 32256
TELEPHONE: 904-296-6001 | FAX: 305-513-4902 (main) | E-MAIL: jly@terraine.com

QC DELIVERABLES
- [x] STANDARD
- [ ] LEVEL 2
- --------- BATCH QC ---------
- [ ] LEVEL 3
- [ ] LEVEL 4

SITE DESCRIPTION: Building 46
SITE ADDRESS (STREET, CITY, STATE): NAS Cecil Field, Jacksonville, Florida
PROJECT CONTACT (Report to): James L. Young | PROJECT CONTACT CELL PHONE: 305-490-7702 | PROJECT CONTACT E-MAIL: jly@terraine.com
FACILITY ID NO:
CONTRACT NO / CONTRACT TASK ORDER NO (for Federal Projects): N62467-02-G-0352 / CTO#0001
SAMPLER NAME(S) (Print): K.Baer L. Wolski
SAMPLER NAME(S) (Signature): [signature]
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): [x] STD [ ] 10 DAYS [ ] 5 DAYS [ ] 3 DAYS [ ] <24 HRS
ELECTRONIC DELIVERABLES: [x] FAX RESULTS [x] E-MAIL PDF [x] ELEC. DATA

TEMPERATURE ON RECEIPT (°C):

SPECIAL INSTRUCTIONS OR NOTES: 48 hour hold report nitrate/nitrite separately

REQUESTED ANALYSIS (if more than one method is listed, circle one)

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX (AIR, GW, SOIL, SLUDGE, WW, ETC)	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8015) GRO	TPH - Extractable (8015) DRO	BTEX / MTBE (8021B)	BTEX / MTBE + Oxygenates (8260B)	VOCs (8260B)	VOCs Aromatic (8021B)	VOCs Halogenated (8021B)	PAH (8270)	Metals (Specify)	TRPH (FL-PRO)	Vapor VOCs BTEX, MTBE/GRO (EPA-18, TO-18)	Vapor VOCs Full List (EPA-18, TO	Pre burn (8021, Halogenated, FL-Pro, As, Cd, Cr, Pb)	Nitrate	Nitrite	Orthophosphate				Container PID Readings or Laboratory Notes/Remarks
	SB-1 8'	3/18	1503	soil				2	3	5			X					X		X										40256
	SB-2 8'	3/18	1575	soil				2	3	5			X					X		X										57
	SB-14 4'	3/18	1344	soil				2	3	5			X					X		X										58
	CEF-46-1S	3/18	1117	GW	5			3		8			X					X		X				X	X	X				60
	CEF-46-2S	3/18	0748	GW	5			3		8			X					X		X				X	X	X				61
	CEF-46-7I	3/18	1017	GW	5			3		8			X					X		X				X	X	X				62
	CEF-46-26I	3/18	0850	GW	5			3		8			X					X		X				X	X	X				63
	CEF-46-5I	3/18	0805	GW	5			3		8			X					X		X				X	X	X				64
	CEF-46-12I	3/18	1005	GW	5			3		8			X					X		X				X	X	X				65
	CEF-46-13I	3/18	1045	GW	5			3		8			X					X		X				X	X	X				40266

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]		3/18/04	
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time
	[signature]	3/19/04	8:00

05/1/01 Revision

3.4

TestAmerica ANALYTICAL TESTING CORPORATION

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

368260

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Terraine Inc. Client #: 9463
Address: 7380 phillips Hwy. Suite 106
City/State/Zip Code: Jacksonville, FL 32256
Project Manager: James Young
Telephone Number: 904-296-6001 Fax: 305-513-4902
Sampler Name: (Print Name) Karen Baer / Larry Wolski
Sampler Signature: [signature]

Project Name: Building 46
Project #: 04-41001/3
Site/Location ID: State: FL
Report To: James Young
Invoice To: James Young
Quote #: 09230210902 PO#: 04-41001/3.4.2

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge DW - Drinking Water; GW - Groundwater S - Soil/Solid; WW - Wastewater Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	BTEX/MTBE 8021B	PAH 8270	TRPH FL-PRO	Nitrate	Nitrite	orthophosphate					QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: Standard — REMARKS
CEF-46-21I	3/18	0905			GW		5				3		X	X	X	X	X	X					40267
FB-BLDG 46	3/18	1217			~~DI~~		4				2		X	X	X	X	X	X					68
trip blank	—	—			DI								X										40269

Special Instructions:
48-hour hold

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3/18/04	1900	MB	3/19/04	8:00

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

TestAmerica
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4/ 1/04 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: BUILDING 46
Project Number: N62467-02-G-0352/CTO #1.
Laboratory Project Number: 368260.

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.

Sample Identification	Lab Number	Collection Date
SB-1 8	04-A40256	3/18/04
SB-2 8	04-A40257	3/18/04
SB-14 4	04-A40258	3/18/04
CEF-46-1S	04-A40260	3/18/04
CEF-46-2S	04-A40261	3/18/04
CEF-46-7I	04-A40262	3/18/04
CEF-46-26I	04-A40263	3/18/04
CEF-46-5I	04-A40264	3/18/04
CEF-46-12I	04-A40265	3/18/04
CEF-46-13I	04-A40266	3/18/04
CEF-46-21I	04-A40267	3/18/04
FB-BLDG 46	04-A40268	3/18/04
Trip Blank	04-A40269	

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Sample Identification	Lab Number	Collection Date

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: 4/ 1/04

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

Laboratory Certification Number: E87358

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40260
Sample ID: CEF-46-1S
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 11:17
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	401.	ug/L	10.0	10.0	3/23/04	18:07	H. Wagner	8021B	1879
Ethylbenzene	741.	ug/L	10.0	10.0	3/23/04	18:07	H. Wagner	8021B	1879
Toluene	1160	ug/L	10.0	10.0	3/23/04	18:07	H. Wagner	8021B	1879
Xylenes (Total)	2280	ug/L	30.0	10.0	3/23/04	18:07	H. Wagner	8021B	1879
Methyl-t-butylether	486.	ug/L	10.0	10.0	3/23/04	18:07	H. Wagner	8021B	1879
TRPH	16200	ug/L	2220	10.0	3/24/04	19:20	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	0.24	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Anthracene	0.27	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	98.5	ug/L	5.00	50.0	3/30/04	18:54	D. Harris	8270C-SIM	1754
Naphthalene	508.	ug/L	10.0	100.	3/31/04	15:10	D. Harris	8270C-SIM	1754
Phenanthrene	0.18	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	8:56	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	61.5	ug/L	5.00	50.0	3/30/04	18:54	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40260
Sample ID: CEF-46-1S
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/19/04	18:40	S. Overton	300	7231
Nitrite-N as N	ND	mg/L	0.30	3.0	3/19/04	18:40	S. Overton	300	7231
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	92.	70. - 124.
BNA Surr-Nitrobenzene-d5	68.	25. - 121.
BNA Surr-2-Fluorobiphenyl	68.	33. - 111.
BNA Surr-Terphenyl-d14	49.	11. - 139.

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.
The TRPH-Diesel surrogate was diluted out due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40261
Sample ID: CEF-46-2S
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 7:48
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	12.4	ug/L	1.00	1.0	3/23/04	17:03	H. Wagner	8021B	1879
Ethylbenzene	ND	ug/L	1.0	1.0	3/23/04	17:03	H. Wagner	8021B	1879
Toluene	ND	ug/L	1.0	1.0	3/23/04	17:03	H. Wagner	8021B	1879
Xylenes (Total)	3.7	ug/L	3.0	1.0	3/23/04	17:03	H. Wagner	8021B	1879
Methyl-t-butylether	24.3	ug/L	1.0	1.0	3/23/04	17:03	H. Wagner	8021B	1879
TRPH	436.	ug/L	222.	1.0	3/24/04	19:40	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	0.11	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	0.21	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Naphthalene	1.40	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	0.16	ug/L	0.10	1.0	3/30/04	16:25	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40261
Sample ID: CEF-46-2S
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/19/04	18:40	S. Overton	300	7231
Nitrite-N as N	ND	mg/L	0.30	3.0	3/19/04	18:40	S. Overton	300	7231
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	110.	82. - 142.
TPH Surr, C-35	92.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	98.	70. - 124.
BNA Surr-Nitrobenzene-d5	457. #	25. - 121.
BNA Surr-2-Fluorobiphenyl	79.	33. - 111.
BNA Surr-Terphenyl-d14	76.	11. - 139.

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.
SIMS 8270 surrogates outside QC range due to sample matrix.

End of Sample Report.

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ANALYTICAL TESTING CORPORATION

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40262
Sample ID: CEF-46-7I
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 10:17
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	386.	ug/L	5.00	5.0	3/24/04	10:44	H. Wagner	8021B	1886
Ethylbenzene	66.0	ug/L	5.0	5.0	3/24/04	10:44	H. Wagner	8021B	1886
Toluene	8.5	ug/L	5.0	5.0	3/24/04	10:44	H. Wagner	8021B	1886
Xylenes (Total)	414.	ug/L	15.0	5.0	3/24/04	10:44	H. Wagner	8021B	1886
Methyl-t-butylether	3460	ug/L	20.0	20.0	3/23/04	18:38	H. Wagner	8021B	1879
TRPH	1900	ug/L	222.	1.0	3/22/04	17:09	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Naphthalene	2.15	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	15:55	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40262
Sample ID: CEF-46-7I
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/19/04	18:40	S. Overton	300	7231
Nitrite-N as N	ND	mg/L	0.60	6.0	3/19/04	18:40	S. Overton	300	7231
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	1000 ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	109.	82. - 142.
TPH Surr, C-35	87.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	80.	70. - 124.
BNA Surr-Nitrobenzene-d5	128. #	25. - 121.
BNA Surr-2-Fluorobiphenyl	70.	33. - 111.
BNA Surr-Terphenyl-d14	64.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40263
Sample ID: CEF-46-26I
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 8:50
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	870.	ug/L	10.0	10.0	3/23/04	19:10	H. Wagner	8021B	1879
Ethylbenzene	8.3	ug/L	1.0	1.0	3/22/04	19:31	H. Wagner	8021B	8086
Toluene	6.3	ug/L	1.0	1.0	3/22/04	19:31	H. Wagner	8021B	8086
Xylenes (Total)	162.	ug/L	3.0	1.0	3/22/04	19:31	H. Wagner	8021B	8086
Methyl-t-butylether	20.3	ug/L	1.0	1.0	3/22/04	19:31	H. Wagner	8021B	8086
TRPH	524.	ug/L	222.	1.0	3/22/04	17:28	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Naphthalene	0.13	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	15:25	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40263
Sample ID: CEF-46-26I
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/19/04	18:40	S. Overton	300	7231
Nitrite-N as N	ND	mg/L	0.60	6.0	3/19/04	18:40	S. Overton	300	7231
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	105.	82. - 142.
TPH Surr, C-35	76.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	91.	70. - 124.
BNA Surr-Nitrobenzene-d5	61.	25. - 121.
BNA Surr-2-Fluorobiphenyl	67.	33. - 111.
BNA Surr-Terphenyl-d14	67.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40264
Sample ID: CEF-46-5I
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 8:05
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1.40	ug/L	1.00	1.0	3/22/04	20:02	H. Wagner	8021B	8086
Ethylbenzene	ND	ug/L	1.0	1.0	3/22/04	20:02	H. Wagner	8021B	8086
Toluene	1.1	ug/L	1.0	1.0	3/22/04	20:02	H. Wagner	8021B	8086
Xylenes (Total)	3.9	ug/L	3.0	1.0	3/22/04	20:02	H. Wagner	8021B	8086
Methyl-t-butylether	28.4	ug/L	1.0	1.0	3/22/04	20:02	H. Wagner	8021B	8086
TRPH	242.	ug/L	222.	1.0	3/22/04	17:48	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Naphthalene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	14:55	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40264
Sample ID: CEF-46-5I
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.600	6.0	3/19/04	18:40	S. Overton	300	7231
Nitrite-N as N	ND	mg/L	0.60	6.0	3/19/04	18:40	S. Overton	300	7231
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	100.	82. - 142.
TPH Surr, C-35	65.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	101.	70. - 124.
BNA Surr-Nitrobenzene-d5	74.	25. - 121.
BNA Surr-2-Fluorobiphenyl	73.	33. - 111.
BNA Surr-Terphenyl-d14	61.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40265
Sample ID: CEF-46-12I
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 10:05
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/22/04	20:33	H. Wagner	8021B	8086
Ethylbenzene	ND	ug/L	1.0	1.0	3/22/04	20:33	H. Wagner	8021B	8086
Toluene	ND	ug/L	1.0	1.0	3/22/04	20:33	H. Wagner	8021B	8086
Xylenes (Total)	ND	ug/L	3.0	1.0	3/22/04	20:33	H. Wagner	8021B	8086
Methyl-t-butylether	79.9	ug/L	1.0	1.0	3/22/04	20:33	H. Wagner	8021B	8086
TRPH	ND	ug/L	222.	1.0	3/22/04	18:07	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Naphthalene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	14:25	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40265
Sample ID: CEF-46-12I
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.600	6.0	3/19/04	18:40	S. Overton	300	7231
Nitrite-N as N	ND	mg/L	0.60	6.0	3/19/04	18:40	S. Overton	300	7231
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	103.	82. - 142.
TPH Surr, C-35	78.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	95.	70. - 124.
BNA Surr-Nitrobenzene-d5	117.	25. - 121.
BNA Surr-2-Fluorobiphenyl	76.	33. - 111.
BNA Surr-Terphenyl-d14	68.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40266
Sample ID: CEF-46-13I
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 10:45
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/22/04	21:04	H. Wagner	8021B	8086
Ethylbenzene	ND	ug/L	1.0	1.0	3/22/04	21:04	H. Wagner	8021B	8086
Toluene	ND	ug/L	1.0	1.0	3/22/04	21:04	H. Wagner	8021B	8086
Xylenes (Total)	ND	ug/L	3.0	1.0	3/22/04	21:04	H. Wagner	8021B	8086
Methyl-t-butylether	60.7	ug/L	1.0	1.0	3/22/04	21:04	H. Wagner	8021B	8086
TRPH	ND	ug/L	250.	1.0	3/22/04	18:27	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Naphthalene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	13:55	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40266
Sample ID: CEF-46-13I
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.600	6.0	3/19/04	23:44	S. Overton	300	7235
Nitrite-N as N	ND	mg/L	0.30	3.0	3/19/04	23:44	S. Overton	300	7235
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	800. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	122.	82. - 142.
TPH Surr, C-35	88.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	95.	70. - 124.
BNA Surr-Nitrobenzene-d5	38.	25. - 121.
BNA Surr-2-Fluorobiphenyl	60.	33. - 111.
BNA Surr-Terphenyl-d14	59.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40267
Sample ID: CEF-46-21I
Sample Type: Water
Site ID:

Date Collected: 3/18/04
Time Collected: 9:05
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/22/04	21:35	H. Wagner	8021B	8086
Ethylbenzene	ND	ug/L	1.0	1.0	3/22/04	21:35	H. Wagner	8021B	8086
Toluene	ND	ug/L	1.0	1.0	3/22/04	21:35	H. Wagner	8021B	8086
Xylenes (Total)	ND	ug/L	3.0	1.0	3/22/04	21:35	H. Wagner	8021B	8086
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/22/04	21:35	H. Wagner	8021B	8086
TRPH	ND	ug/L	222.	1.0	3/22/04	18:46	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Naphthalene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	13:25	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40267
Sample ID: CEF-46-21I
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.300	3.0	3/19/04	23:44	S. Overton	300	7235
Nitrite-N as N	ND	mg/L	0.30	3.0	3/19/04	23:44	S. Overton	300	7235
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	114.	82. - 142.
TPH Surr, C-35	89.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	96.	70. - 124.
BNA Surr-Nitrobenzene-d5	101.	25. - 121.
BNA Surr-2-Fluorobiphenyl	67.	33. - 111.
BNA Surr-Terphenyl-d14	66.	11. - 139.

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.

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ANALYTICAL REPORT

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

Lab Number: 04-A40268
Sample ID: FB-BLDG 46
Sample Type: Water
Site ID:

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Date Collected: 3/18/04
Time Collected: 12:17
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1.40	ug/L	1.00	1.0	3/22/04	22:07	H. Wagner	8021B	8086
Ethylbenzene	ND	ug/L	1.0	1.0	3/22/04	22:07	H. Wagner	8021B	8086
Toluene	1.0	ug/L	1.0	1.0	3/22/04	22:07	H. Wagner	8021B	8086
Xylenes (Total)	ND	ug/L	3.0	1.0	3/22/04	22:07	H. Wagner	8021B	8086
Methyl-t-butylether	1.0	ug/L	1.0	1.0	3/22/04	22:07	H. Wagner	8021B	8086
TRPH	ND	ug/L	222.	1.0	3/22/04	19:05	L. Watson	FPRO	9078
EXTRACTABLE ORGANICS									
Acenaphthene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Acenaphthylene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Anthracene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Benzo(a)anthracene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Benzo(a)pyrene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Benzo(b)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Benzo(g,h,i)perylene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Benzo(k)fluoranthene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Chrysene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Dibenz(a,h)anthracene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Fluoranthene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Fluorene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
2-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Naphthalene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Phenanthrene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
Pyrene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754
1-Methylnaphthalene	ND	ug/L	0.10	1.0	3/30/04	12:55	D. Harris	8270C-SIM	1754

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A40268
Sample ID: FB-BLDG 46
Project: N62467-02-G-0352/CTO #1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MISCELLANEOUS CHEMISTRY									
Nitrate-N as N	ND	mg/L	0.100	1.0	3/19/04	23:44	S. Overton	300	7235
Nitrite-N as N	ND	mg/L	0.10	1.0	3/19/04	23:44	S. Overton	300	7235
Ortho Phosphate as P	ND	mg/L	0.100	1.0	3/19/04	14:32	T. Beverly	365.2	7221

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH-SIM	950. ml	1.0 ml	3/22/04		M. Ricke	3510C
Fla Pro	900. ml	2.0 ml	3/20/04		K. Turner	FDEP

Surrogate	% Recovery	Target Range
TPH Surr., O-Terphenyl	108.	82. - 142.
TPH Surr, C-35	68.	41. - 122.
BTEX/GRO Surr., a,a,a-TFT	95.	70. - 124.
BNA Surr-Nitrobenzene-d5	105.	25. - 121.
BNA Surr-2-Fluorobiphenyl	68.	33. - 111.
BNA Surr-Terphenyl-d14	70.	11. - 139.

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.

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ANALYTICAL REPORT

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

Project: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Sampler: KB/LW

Lab Number: 04-A40269
Sample ID: Trip Blank
Sample Type: Water
Site ID:

Date Collected:
Time Collected:
Date Received: 3/19/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	1.00	1.0	3/22/04	17:25	H. Wagner	8021B	8086
Ethylbenzene	ND	ug/L	1.0	1.0	3/22/04	17:25	H. Wagner	8021B	8086
Toluene	3.8	ug/L	1.0	1.0	3/22/04	17:25	H. Wagner	8021B	8086
Xylenes (Total)	ND	ug/L	3.0	1.0	3/22/04	17:25	H. Wagner	8021B	8086
Methyl-t-butylether	ND	ug/L	1.0	1.0	3/22/04	17:25	H. Wagner	8021B	8086

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	97.	70. - 124.

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.

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 1
Laboratory Receipt Date: 3/19/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for 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	Q.C. Batch	Spike Sample
UST ANALYSIS								
Ethylbenzene	mg/kg	< 0.0010	0.0297	0.0500	59	16. - 151.	7637	04-A40860
Xylenes, total	mg/kg	0.0015	0.0542	0.100	53	45. - 155.	7637	04-A40860
TRPH	mg/kg	< 10.0	3.76	17.0	22#	62. - 163.	1455	04-A41653
Benzene	mg/l	0.00140	0.0565	0.0500	110	53. - 159.	8086	04-A40264
Benzene	mg/l	0.0516	0.103	0.0500	103	53. - 159.	1879	04-A41032
Toluene	mg/l	0.0011	0.0589	0.0500	116	54. - 156.	8086	04-A40264
Toluene	mg/l	< 0.0010	0.0549	0.0500	110	54. - 156.	1879	04-A41032
Ethylbenzene	mg/l	< 0.0010	0.0576	0.0500	115	50. - 159.	8086	04-A40264
Ethylbenzene	mg/l	< 0.0010	0.0543	0.0500	109	50. - 159.	1879	04-A41032
Xylenes (Total)	mg/l	0.0039	0.118	0.100	114	53. - 151.	8086	04-A40264
Xylenes (Total)	mg/l	< 0.0030	0.106	0.100	106	53. - 151.	1879	04-A41032
Methyl-t-butylether	mg/l	0.0284	0.0827	0.0500	109	36. - 158.	8086	04-A40264
TRPH	mg/l	< 0.100	0.293	0.430	68	41. - 101.	9078	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				99	70 - 124	8086	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				91	70 - 124	1879	
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/l	< 0.00010	0.00094	0.00100	94	46 - 125	1754	Blank
Pyrene	mg/l	< 0.00010	0.00094	0.00100	94	47 - 152	1754	Blank
BNA Surr-Nitrobenzene-d5	% Rec				95	25 - 121	1754	
BNA Surr-Nitrobenzene-d5	% Rec				119	10 - 164	289	
BNA Surr-2-Fluorobiphenyl	% Rec				81	33 - 111	1754	
BNA Surr-2-Fluorobiphenyl	% Rec				101	51 - 96	289	
BNA Surr-Terphenyl-d14	% Rec				103	11 - 139	1754	
BNA Surr-Terphenyl-d14	% Rec				148	52 - 106	289	

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 2
Laboratory Receipt Date: 3/19/04

MISC PARAMETERS								
Nitrate-N as N	mg/l	0.130	3.47	3.00	111	80 - 120	7231	04-A40251
Nitrate-N as N	mg/l	< 0.600	15.1	18.0	84	80 - 120	7235	04-A40266
Nitrite-N as N	mg/l	< 0.30	7.47	9.00	83	80 - 120	7235	04-A40266
Ortho Phosphate as P	mg/l	< 0.100	0.256	0.250	102	80 - 120	7221	04-A40268

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Ethylbenzene	mg/kg	0.0297	0.0339	13.21	40.	7637
Xylenes, total	mg/kg	0.0542	0.0604	10.82	44.	7637
TRPH	mg/kg	3.76	15.1	120.26#	25.	1455
Benzene	mg/l	0.0565	0.0595	5.17	21.	8086
Benzene	mg/l	0.103	0.103	0.00	21.	1879
Toluene	mg/l	0.0589	0.0613	3.99	25.	8086
Toluene	mg/l	0.0549	0.0568	3.40	25.	1879
Ethylbenzene	mg/l	0.0576	0.0604	4.75	25.	8086
Ethylbenzene	mg/l	0.0543	0.0564	3.79	25.	1879
Xylenes (Total)	mg/l	0.118	0.122	3.33	24.	8086
Xylenes (Total)	mg/l	0.106	0.110	3.70	24.	1879
Methyl-t-butylether	mg/l	0.0827	0.0856	3.45	24.	8086
Methyl-t-butylether	mg/l	0.0539	0.0559	3.64	24.	1879
TRPH	mg/l	0.293	0.343	15.72	20.	9078
BTEX/GRO Surr., a,a,a-TFT	% Recovery		99.			8086
BTEX/GRO Surr., a,a,a-TFT	% Recovery		90.			1879
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00094	0.00116	20.95	51.	1754
Pyrene	mg/l	0.00094	0.00107	12.94	47.	1754

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 3
Laboratory Receipt Date: 3/19/04

BNA Surr-Nitrobenzene-d5	% Rec		110.			1754
BNA Surr-Nitrobenzene-d5	% Rec		119.			289
BNA Surr-2-Fluorobiphenyl	% Rec		97.			1754
BNA Surr-2-Fluorobiphenyl	% Rec		98.			289
BNA Surr-Terphenyl-d14	% Rec		116.			1754
BNA Surr-Terphenyl-d14	% Rec		145.			289
Nitrate-N as N	mg/l	3.47	3.47	0.00	20	7231
Nitrate-N as N	mg/l	15.1	14.9	1.33	20	7235
Nitrite-N as N	mg/l	3.27	3.25	0.61	20	7231
Nitrite-N as N	mg/l	7.47	7.56	1.20	20	7235
Ortho Phosphate as P	mg/l	0.256	0.256	0.00	20	7221

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.0987	99	71 - 127	1639
Toluene	mg/kg	0.100	0.0955	96	73 - 121	1639
Ethylbenzene	mg/kg	0.100	0.0993	99	71 - 127	1639
Ethylbenzene	mg/kg	0.100	0.0916	92	71 - 127	7637
Xylenes, total	mg/kg	0.200	0.199	100	72 - 123	1639
Xylenes, total	mg/kg	0.200	0.184	92	72 - 123	7637
MTBE	mg/kg	0.100	0.111	111	61 - 126	1639
TRPH	mg/kg	17.0	13.7	81	63 - 153	1455
Benzene	mg/l	0.100	0.106	106	76 - 118	8086
Benzene	mg/l	0.100	0.101	101	76 - 118	1879
Benzene	mg/l	0.100	0.100	100	76 - 118	1886
Toluene	mg/l	0.100	0.110	110	72 - 119	8086
Toluene	mg/l	0.100	0.105	105	72 - 119	1879
Toluene	mg/l	0.100	0.103	103	72 - 119	1886
Ethylbenzene	mg/l	0.100	0.110	110	72 - 119	8086
Ethylbenzene	mg/l	0.100	0.105	105	72 - 119	1879

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 4
Laboratory Receipt Date: 3/19/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Ethylbenzene	mg/l	0.100	0.104	104	72 - 119	1886
Xylenes (Total)	mg/l	0.200	0.216	108	71 - 123	8086
Xylenes (Total)	mg/l	0.200	0.205	102	71 - 123	1879
Xylenes (Total)	mg/l	0.200	0.203	102	71 - 123	1886
Methyl-t-butylether	mg/l	0.100	0.104	104	63 - 120	8086
Methyl-t-butylether	mg/l	0.100	0.103	103	63 - 120	1879
TRPH	mg/l	0.430	0.297	69	55 - 118	9078
BTEX/GRO Surr., a,a,a-TFT	% Recovery			93	70 - 124	8086
BTEX/GRO Surr., a,a,a-TFT	% Recovery			92	70 - 124	1879
BTEX/GRO Surr., a,a,a-TFT	% Recovery			96	70 - 124	1886
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.00100	0.00106	106	46 - 125	1754
Acenaphthene	mg/kg	0.0330	0.0340	103	55 - 118	289
Acenaphthylene	mg/l	0.00100	0.00102	102	41 - 116	1754
Acenaphthylene	mg/kg	0.0330	0.0337	102	50 - 115	289
Anthracene	mg/l	0.00100	0.00110	110	52 - 123	1754
Anthracene	mg/kg	0.0330	0.0370	112	51 - 117	289
Benzo(a)anthracene	mg/l	0.00100	0.00105	105	51 - 137	1754
Benzo(a)anthracene	mg/kg	0.0330	0.0389	118 #	49 - 112	289
Benzo(a)pyrene	mg/l	0.00100	0.00096	96	37 - 129	1754
Benzo(a)pyrene	mg/kg	0.0330	0.0350	106	40 - 114	289
Benzo(b)fluoranthene	mg/l	0.00100	0.00106	106	42 - 145	1754
Benzo(b)fluoranthene	mg/kg	0.0330	0.0363	110	56 - 129	289
Benzo(g,h,i)perylene	mg/l	0.00100	0.00090	90	37 - 142	1754
Benzo(g,h,i)perylene	mg/kg	0.0330	0.0333	101	45 - 125	289
Benzo(k)fluoranthene	mg/l	0.00100	0.00105	105	51 - 157	1754
Benzo(k)fluoranthene	mg/kg	0.0330	0.0363	110	43 - 160	289
Chrysene	mg/l	0.00100	0.00080	80	60 - 142	1754
Chrysene	mg/kg	0.0330	0.0310	94	56 - 135	289
Dibenz(a,h)anthracene	mg/l	0.00100	0.00112	112	30 - 137	1754
Dibenz(a,h)anthracene	mg/kg	0.0330	0.0409	124	37 - 124	289

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 5
Laboratory Receipt Date: 3/19/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Fluoranthene	mg/l	0.00100	0.00134	134	51 - 139	1754
Fluoranthene	mg/kg	0.0330	0.0396	120	57 - 135	289
Fluorene	mg/l	0.00100	0.00111	111	47 - 126	1754
Fluorene	mg/kg	0.0330	0.0353	107	57 - 120	289
Indeno(1,2,3-cd)pyrene	mg/l	0.00100	0.00106	106	37 - 135	1754
Indeno(1,2,3-cd)pyrene	mg/kg	0.0330	0.0386	117	42 - 125	289
2-Methylnaphthalene	mg/l	0.00100	0.00063	63	29 - 119	1754
2-Methylnaphthalene	mg/kg	0.0330	0.0218	66	45 - 116	289
Naphthalene	mg/l	0.00100	0.00102	102	37 - 127	1754
Naphthalene	mg/kg	0.0330	0.0356	108	43 - 126	289
Phenanthrene	mg/l	0.00100	0.00120	120	52 - 141	1754
Phenanthrene	mg/kg	0.0330	0.0386	117	54 - 129	289
Pyrene	mg/l	0.00100	0.00103	103	47 - 152	1754
Pyrene	mg/kg	0.0330	0.0403	122	55 - 140	289
1-Methylnaphthalene	mg/l	0.00100	0.00060	60	29 - 129	1754
1-Methylnapthalene	mg/kg	0.0330	0.0208	63	50 - 113	289
BNA Surr-Nitrobenzene-d5	% Rec			102	25 - 121	1754
BNA Surr-Nitrobenzene-d5	% Rec			105	10 - 164	289
BNA Surr-2-Fluorobiphenyl	% Rec			88	33 - 111	1754
BNA Surr-2-Fluorobiphenyl	% Rec			90	51 - 96	289
BNA Surr-Terphenyl-d14	% Rec			113	11 - 139	1754
BNA Surr-Terphenyl-d14	% Rec			129	52 - 106	289
MISC PARAMETERS						
Nitrate-N as N	mg/l	3.00	3.11	104	90 - 110	7231
Nitrate-N as N	mg/l	3.00	3.10	103	90 - 110	7235
Nitrite-N as N	mg/l	3.00	3.15	105	90 - 110	7231
Nitrite-N as N	mg/l	3.00	3.15	105	90 - 110	7235
Ortho Phosphate as P	mg/l	0.250	0.258	103	88 - 107	7221

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 6
Laboratory Receipt Date: 3/19/04

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
Nitrate-N as N	mg/l	< 0.600	< 0.600	N/A	15.	7231	04-A40265
Nitrate-N as N	mg/l	< 0.100	< 0.100	N/A	15.	7235	04-A40268
Nitrite-N as N	mg/l	< 0.60	< 0.60	N/A	15.	7231	04-A40265
Nitrite-N as N	mg/l	< 0.10	< 0.10	N/A	15.	7235	04-A40268
Ortho Phosphate as P	mg/l	< 0.100	< 0.100	N/A	15.	7221	04-A40174

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	1639	3/24/04	8:51
Toluene	< 0.0010	mg/kg	1639	3/24/04	8:51
Ethylbenzene	< 0.0010	mg/kg	7637	3/23/04	15:44
Ethylbenzene	< 0.0010	mg/kg	1639	3/24/04	8:51
Xylenes, total	< 0.0010	mg/kg	7637	3/23/04	15:44
Xylenes, total	< 0.0010	mg/kg	1639	3/24/04	8:51
MTBE	< 0.005	mg/kg	1639	3/24/04	8:51
TRPH	< 5.00	mg/kg	1455	3/24/04	2:02
Benzene	< 0.00071	mg/l	8086	3/22/04	16:53
Benzene	< 0.00071	mg/l	1879	3/23/04	16:00
Benzene	< 0.00071	mg/l	1886	3/24/04	5:09
Toluene	< 0.0007	mg/l	8086	3/22/04	16:53
Toluene	< 0.0007	mg/l	1879	3/23/04	16:00
Toluene	< 0.0007	mg/l	1886	3/24/04	5:09

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 7
Laboratory Receipt Date: 3/19/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.0008	mg/l	8086	3/22/04	16:53
Ethylbenzene	< 0.0008	mg/l	1879	3/23/04	16:00
Ethylbenzene	< 0.0008	mg/l	1886	3/24/04	5:09
Xylenes (Total)	< 0.0018	mg/l	8086	3/22/04	16:53
Xylenes (Total)	< 0.0018	mg/l	1879	3/23/04	16:00
Xylenes (Total)	< 0.0018	mg/l	1886	3/24/04	5:09
Methyl-t-butylether	< 0.0008	mg/l	8086	3/22/04	16:53
Methyl-t-butylether	< 0.0008	mg/l	1879	3/23/04	16:00
TRPH	< 0.100	mg/l	9078	3/22/04	10:32
TPH Surr., O-Terphenyl	124.	% Recovery	9078	3/22/04	10:32
TPH Surr, C-35	52.	% Recovery	9078	3/22/04	10:32
UST surr-Trifluorotoluene	81.	% Recovery	1639	3/24/04	8:51
BTEX/GRO Surr., a,a,a-TFT	96.	% Recovery	8086	3/22/04	16:53
BTEX/GRO Surr., a,a,a-TFT	96.	% Recovery	1879	3/23/04	16:00
BTEX/GRO Surr., a,a,a-TFT	95.	% Recovery	1886	3/24/04	5:09
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.00010	mg/l	1754	3/30/04	5:57
Acenaphthene	< 0.00330	mg/kg	289	3/30/04	19:24
Acenaphthylene	< 0.00010	mg/l	1754	3/30/04	5:57
Acenaphthylene	< 0.00330	mg/kg	289	3/30/04	19:24
Anthracene	< 0.00010	mg/l	1754	3/30/04	5:57
Anthracene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(a)anthracene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(a)anthracene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(a)pyrene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(a)pyrene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(b)fluoranthene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(b)fluoranthene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(g,h,i)perylene	< 0.00010	mg/l	1754	3/30/04	5:57
Benzo(g,h,i)perylene	< 0.00330	mg/kg	289	3/30/04	19:24
Benzo(k)fluoranthene	< 0.00010	mg/l	1754	3/30/04	5:57

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 8
Laboratory Receipt Date: 3/19/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Benzo(k)fluoranthene	< 0.00330	mg/kg	289	3/30/04	19:24
Chrysene	< 0.00010	mg/l	1754	3/30/04	5:57
Chrysene	< 0.00330	mg/kg	289	3/30/04	19:24
Dibenz(a,h)anthracene	< 0.00010	mg/l	1754	3/30/04	5:57
Dibenz(a,h)anthracene	< 0.00330	mg/kg	289	3/30/04	19:24
Fluoranthene	< 0.00010	mg/l	1754	3/30/04	5:57
Fluoranthene	< 0.00330	mg/kg	289	3/30/04	19:24
Fluorene	< 0.00010	mg/l	1754	3/30/04	5:57
Fluorene	< 0.00330	mg/kg	289	3/30/04	19:24
Indeno(1,2,3-cd)pyrene	< 0.00010	mg/l	1754	3/30/04	5:57
Indeno(1,2,3-cd)pyrene	< 0.00330	mg/kg	289	3/30/04	19:24
2-Methylnaphthalene	< 0.00010	mg/l	1754	3/30/04	5:57
2-Methylnaphthalene	< 0.00330	mg/kg	289	3/30/04	19:24
Naphthalene	< 0.00010	mg/l	1754	3/30/04	5:57
Naphthalene	< 0.00330	mg/kg	289	3/30/04	19:24
Phenanthrene	< 0.00010	mg/l	1754	3/30/04	5:57
Phenanthrene	< 0.00330	mg/kg	289	3/30/04	19:24
Pyrene	< 0.00010	mg/l	1754	3/30/04	5:57
Pyrene	< 0.00330	mg/kg	289	3/30/04	19:24
1-Methylnaphthalene	< 0.00010	mg/l	1754	3/30/04	5:57
1-Methylnapthalene	< 0.00330	mg/kg	289	3/30/04	19:24
BNA Surr-Nitrobenzene-d5	107.	% Rec	1754	3/30/04	5:57
BNA Surr-Nitrobenzene-d5	113.	% Rec	289	3/30/04	19:24
BNA Surr-2-Fluorobiphenyl	64.	% Rec	1754	3/30/04	5:57
BNA Surr-2-Fluorobiphenyl	75.	% Rec	289	3/30/04	19:24
BNA Surr-Terphenyl-d14	67.	% Rec	1754	3/30/04	5:57
BNA Surr-Terphenyl-d14	95.	% Rec	289	3/30/04	19:24

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: N62467-02-G-0352/CTO #1
Project Name: BUILDING 46
Page: 9
Laboratory Receipt Date: 3/19/04

MISC PARAMETERS					
Nitrate-N as N	< 0.100	mg/l	7231	3/19/04	18:40
Nitrate-N as N	< 0.100	mg/l	7235	3/19/04	23:44
Nitrite-N as N	< 0.10	mg/l	7231	3/19/04	18:40
Nitrite-N as N	< 0.10	mg/l	7235	3/19/04	23:44
Ortho Phosphate as P	< 0.100	mg/l	7221	3/19/04	14:32

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 368260

APPENDIX C

1st Quarter 2004 Groundwater Sampling Logs

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-12I:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-12I**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 78.73	Northing: 0	Easting: 0
Static Depth to Water (ft): 6.45	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 27.00
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Hach 2100P
Purge Start: 09:40	Purge End: 09:49	Total Volume Purged (gal): 1.75	

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
09:43	6.60	1.00	0.00	0.80	24.70	129.9	5.35	0.0	60.70	orange	none
09:45	6.61	1.50	0.00	0.70	24.80	129.7	5.34	0.0	22.70		
09:49	6.59	1.75	0.06	0.60	24.90	129.2	5.37	0.0	22.70		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	09:49
Sample End Time:	10:24
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.60
Temp (*C):	24.90
SEC (uS/cm):	129.00
pH:	5.33
ORP (mV):	0.00
Turb (NTU):	22.20

Field Test Kit Readings (mg/L)

DO:	0.60	Sulfate:	0.00
CO2:	86.00	Sulfide:	0.00
Alkalinity:	5.00		
Ferrous Iron:	3.50		
H2S:	0.10		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-13I:3/18/04		
Notes: Interference on CO2		

Well Information

Well ID: **CEF-46-13I**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 78.87	Northing: 0	Easting: 0
Static Depth to Water (ft): 6.85	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 37.00
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Horiba U-22
Purge Start: 10:30	Purge End: 10:41	Total Volume Purged (gal): 2.25	

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
10:36	6.95	1.25	0.00	1.20	25.60	1,227.0	3.75	0.0	8.20	clear	none
10:39	6.96	1.75	0.00	0.70	25.60	1,264.0	3.75	0.0	5.20		
10:41	6.97	2.25	0.25	0.50	25.60	1,280.0	3.76	0.0	4.10		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	10:41
Sample End Time:	11:00
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.50
Temp (*C):	25.60
SEC (uS/cm):	1,282.00
pH:	3.76
ORP (mV):	0.00
Turb (NTU):	4.10

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	3.00		
H2S:	0.30		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: "Cloudy, Humid, Sunny"
Sampling ID: 04-41001/3:CEF-46-14D:3/16/04		
Notes:		

Well Information

Well ID: **CEF-46-14D**	Sampling Date: **3/16/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 78.88	Northing: 0	Easting: 0
Static Depth to Water (ft): 8.72	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 75.00
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Hach 2100P
Purge Start: 11:44	Purge End: 12:14	Total Volume Purged (gal): 3.00	

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
12:04	9.83	1.00	0.00	1.50	25.50	109.5	5.42	0.0	6.63	clear	sulfuric
12:06	9.91	1.50	0.00	1.20	25.60	109.5	5.42	0.0	6.26		
12:14	9.67	3.00	0.21	1.40	25.50	109.7	5.43	0.0	6.59		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	3/16/2004	DO (mg/L):	0.80	DO:	0.00	Sulfate:	0.00
Sample Start Time:	12:14	Temp (*C):	25.60	CO2:	154.00	Sulfide:	0.00
Sample End Time:	12:27	SEC (uS/cm):	105.90	Alkalinity:	20.00		
Field Filtered:	☐	pH:	5.43	Ferrous Iron:	2.40		
Duplicate:	☐	ORP (mV):	0.00	H2S:	5.00		
		Turb (NTU):	5.97	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"	

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-15I:3/16/04		
Notes:		

Well Information

Well ID: **CEF-46-15I**	Sampling Date: **3/16/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.75	Northing: 0	Easting: 0
Static Depth to Water (ft): 7.40	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 25.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 12:01	Purge End: 12:27	Total Volume Purged (gal): 3.50	

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
12:01	7.80	1.00	0.00	0.00	22.00	496.0	4.25	259.0	112.00	orange	none
12:03	7.80	1.25	0.12	0.00	22.30	495.0	4.28	252.0	90.50		
12:06	7.80	1.50	0.00	0.00	22.27	494.0	4.28	250.0	69.30		
12:14	7.80	2.00	0.00	0.00	22.30	495.0	4.30	243.0	46.60		
12:18	7.80	2.50	0.16	0.00	22.40	495.0	4.30	242.0	37.20		
12:23	7.80	3.00	0.12	0.00	22.59	495.0	4.31	241.0	27.60		
12:25	7.80	3.25	0.12	0.00	22.68	497.0	4.31	241.0	22.40		
12:27	7.80	3.50	0.00	0.00	22.86	499.0	4.30	241.0	19.50		

Sampling Data

Sample Information

Sample Date:	3/16/2004
Sample Start Time:	12:27
Sample End Time:	13:07
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	22.91
SEC (uS/cm):	501.00
pH:	4.30
ORP (mV):	241.00
Turb (NTU):	16.80

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	324.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	3.00		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-1S:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-1S**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.08	Northing: 0	Easting: 0
Static Depth to Water (ft): 5.92	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 8.00
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: 11:17	Total Volume Purged (gal): 1.90	

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
11:08	7.42	1.25	0.00	0.00	21.96	198.0	6.52	-268.0	5.72	black	strong HC
11:12	7.55	1.50	0.00	0.00	22.22	209.0	6.51	-273.0	4.73		
11:15	7.70	1.75	0.08	0.00	22.34	217.0	6.48	-277.0	4.92		
11:17	7.70	1.90	0.00	0.00	22.33	220.0	6.48	-278.0	5.23		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	11:17
Sample End Time:	12:00
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	22.33
SEC (uS/cm):	220.00
pH:	6.48
ORP (mV):	-278.00
Turb (NTU):	5.24

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	175.00		
Ferrous Iron:	2.00		
H2S:	5.00		
Manganese:	0.00		

Lab Analyses/Methods:

"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-21I:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-21I**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.31	Northing: 200	Easting: 10
Static Depth to Water (ft): 8.35	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 26.50
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Hach 2100P
Purge Start: 08:40	Purge End: 08:47	Total Volume Purged (gal): 1.50	

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
08:42	8.48	0.50	0.00	2.40	22.70	165.3	3.83	0.0	20.80	clear	none
08:44	8.47	1.00	0.00	2.30	22.90	162.5	3.87	0.0	12.90		
08:47	8.48	1.50	0.16	2.20	23.00	162.8	3.82	0.0	9.51		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	08:47
Sample End Time:	09:25
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	2.10
Temp (*C):	23.00
SEC (uS/cm):	162.20
pH:	3.81
ORP (mV):	0.00
Turb (NTU):	9.65

Field Test Kit Readings (mg/L)

DO:	1.00	Sulfate:	0.00
CO2:	91.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	2.40		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: "Cloudy, Sunny"
Sampling ID: 04-41001/3:CEF-46-24D:3/16/04		
Notes: "pump set at 50' due to splice failurealso interference on CO2"		

Well Information

Well ID: **CEF-46-24D**	Sampling Date: **3/16/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 78.74	Northing: 0	Easting: 0
Static Depth to Water (ft): 8.95	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 50.00
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Hach 2100P
Purge Start: 13:25	Purge End: 13:41	Total Volume Purged (gal): 3.25	

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
13:33	9.32	2.00	0.00	1.00	27.20	1,277.0	3.37	0.0	25.30	clear	none
13:36	9.35	2.75	0.00	1.25	26.90	1,284.0	3.37	0.0	24.40		
13:39	9.40	3.00	0.12	1.00	27.10	1,290.0	3.39	0.0	16.90		
13:41	9.41	3.25	0.25	0.90	27.30	1,276.0	3.40	0.0	11.40		

Sampling Data

Sample Information

Sample Date:	3/16/2004
Sample Start Time:	13:41
Sample End Time:	14:05
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.60
Temp (*C):	27.60
SEC (uS/cm):	1,285.00
pH:	3.45
ORP (mV):	0.00
Turb (NTU):	10.20

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	4.20		
H2S:	0.10		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Cloudy
Sampling ID: 04-41001/3:CEF-46-25I:3/16/04		
Notes:		

Well Information

Well ID: **CEF-46-25I**	Sampling Date: **3/16/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.17	Northing: 0	Easting: 0
Static Depth to Water (ft): 8.30	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 46.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 14:56	Purge End: 15:18	Total Volume Purged (gal): 3.50	

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
14:54	8.30	0.50	0.00	0.00	23.66	999.0	2.84	334.0	6.02	clear	sulfuric
14:56	8.30	1.00	0.00	0.00	23.68	999.0	2.97	249.0	2.22		
15:00	8.30	1.50	0.16	0.00	23.76	113.0	3.52	79.0	1.62		
15:05	8.30	2.00	0.12	0.00	23.83	127.0	3.84	11.0	3.96		
15:09	8.30	2.50	0.12	0.00	23.88	156.0	3.83	2.0	0.49		
15:12	8.30	3.00	0.25	0.00	23.89	166.0	3.79	1.0	1.26		
15:16	8.30	3.25	0.12	0.00	23.97	175.0	3.75	1.0	0.85		
15:18	8.30	3.50	0.00	0.00	23.99	177.0	3.74	0.0	1.33		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	3/16/2004	DO (mg/L):	0.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	15:20	Temp (*C):	23.99	CO2:	0.00	Sulfide:	0.00
Sample End Time:	15:37	SEC (uS/cm):	179.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	3.74	Ferrous Iron:	5.40		
Duplicate:	☐	ORP (mV):	-2.00	H2S:	5.00		
		Turb (NTU):	0.90	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"	

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-26I:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-26I**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.43	Northing: 0	Easting: 0
Static Depth to Water (ft): 8.05	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 44.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 08:37	Purge End: 08:50	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
08:44	8.80	0.50	0.00	0.00	22.54	204.0	3.07	317.0	11.30	clear	slight HC
08:47	8.80	0.75	0.00	0.00	22.48	282.0	3.36	256.0	19.10		
08:49	8.80	1.00	0.12	0.00	22.43	269.0	3.49	218.0	8.25		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	08:50
Sample End Time:	09:36
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	22.45
SEC (uS/cm):	268.00
pH:	3.51
ORP (mV):	203.00
Turb (NTU):	6.94

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	5.00		
H2S:	5.00		
Manganese:	0.00		

Lab Analyses/Methods:

"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-2S:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-2S**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.08	Northing: 0	Easting: 0
Static Depth to Water (ft): 6.02	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 8.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 07:30	Purge End: 07:47	Total Volume Purged (gal): 1.75	

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
07:40	6.40	1.25	0.00	0.00	20.22	122.0	6.66	-96.0	3.34	clear	strong HC
07:43	6.40	1.50	0.00	0.00	20.14	122.0	6.73	-101.0	3.33		
07:47	6.40	1.75	0.08	0.00	20.08	123.0	6.79	-110.0	1.77		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	07:47
Sample End Time:	08:23
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	20.09
SEC (uS/cm):	123.00
pH:	6.80
ORP (mV):	-111.00
Turb (NTU):	1.76

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	231.00	Sulfide:	0.00
Alkalinity:	190.00		
Ferrous Iron:	1.40		
H2S:	0.70		
Manganese:	0.00		

Lab Analyses/Methods:

"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-5I:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-5I**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.18	Northing: 0	Easting: 0
Static Depth to Water (ft): 7.89	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 47.00
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Hach 2100P
Purge Start: 07:40	Purge End: 07:50	Total Volume Purged (gal): 2.75	

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
07:42	8.70	1.00	0.00	0.70	24.30	4,049.0	2.51	0.0	73.90	orange	none
07:43	8.69	1.25	0.00	0.60	24.50	4,053.0	2.49	0.0	61.00		
07:46	8.70	1.75	0.25	0.80	24.70	4,059.0	2.47	0.0	52.80		
07:48	8.71	2.25	0.25	0.60	24.90	4,068.0	2.47	0.0	61.20		
07:50	8.66	2.75	0.25	0.60	25.00	4,070.0	2.48	0.0	65.60		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	07:50
Sample End Time:	08:25
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.50
Temp (*C):	25.00
SEC (uS/cm):	4,074.00
pH:	2.48
ORP (mV):	0.00
Turb (NTU):	68.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	172.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	4.20		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1:	Technician 2: Larry Wolski	Weather: Cloudy
Sampling ID: 04-41001/3:CEF-46-6D:3/16/04		
Notes: "Pump at 25, will not desced further"		

Well Information

Well ID: **CEF-46-6D**	Sampling Date: **3/16/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.17	Northing: 0	Easting: 0
Static Depth to Water (ft): 10.60	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 25.00
pH Meter: Accumet	Cond. Meter: YSI-33	DO Meter: YSI-51B	Turb. Meter: Hach 2100P
Purge Start: 15:21	Purge End: 15:30	Total Volume Purged (gal): 1.50	

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
15:26	11.23	0.50	0.00	7.10	24.20	74.4	2.56	0.0	430.00	orange	none
15:28	11.62	1.25	0.00	6.60	24.40	74.5	2.55	0.0	396.00		
15:30	11.70	1.50	0.12	6.40	24.50	74.4	2.53	0.0	361.00		

Sampling Data

Sample Information

Sample Date:	3/16/2004
Sample Start Time:	15:30
Sample End Time:	16:07
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	6.00
Temp (*C):	24.60
SEC (uS/cm):	74.60
pH:	2.53
ORP (mV):	0.00
Turb (NTU):	318.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	263.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.00		
H2S:	3.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-7I:3/18/04		
Notes:		

Well Information

Well ID: **CEF-46-7I**	Sampling Date: **3/18/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.02	Northing: 0	Easting: 0
Static Depth to Water (ft): 7.40	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 26.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 09:50	Purge End: 10:17	Total Volume Purged (gal): 1.75	

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
10:01	10.10	1.00	0.00	0.00	23.95	227.0	4.83	132.0	187.00	dark orange	slight HC
10:05	10.20	1.25	0.08	0.00	24.16	224.0	4.89	125.0	200.00		
10:08	9.95	1.50	0.08	0.00	24.20	225.0	4.99	123.0	223.00		
10:11	9.80	1.60	-0.12	0.00	24.22	229.0	4.90	121.0	253.00		
10:14	9.60	1.75	0.16	0.00	24.39	230.0	4.90	120.0	277.00		

Sampling Data

Sample Information

Sample Date:	3/18/2004
Sample Start Time:	10:17
Sample End Time:	10:47
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	24.42
SEC (uS/cm):	230.00
pH:	4.89
ORP (mV):	120.00
Turb (NTU):	269.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	75.00	Sulfide:	0.00
Alkalinity:	15.00		
Ferrous Iron:	4.00		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE
Environmental Consulting

Project Information

Project No: 04-41001/3	Project Name: Building 46 - Cecil Field LTM/RAO	
Technician 1: Karen Baer	Technician 2:	Weather: Sunny
Sampling ID: 04-41001/3:CEF-46-9I:3/16/04		
Notes:		

Well Information

Well ID: **CEF-46-9I**	Sampling Date: **3/16/2004**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 79.05	Northing: 0	Easting: 0
Static Depth to Water (ft): 7.20	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 45.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 13:38	Purge End: 13:50	Total Volume Purged (gal): 1.25	

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
13:42	7.21	0.50	0.00	0.00	24.95	361.0	3.37	291.0	11.30	clear	sulfuric
13:44	7.20	0.75	0.12	0.00	25.02	195.0	3.59	247.0	5.81		
13:46	7.20	1.00	0.25	0.00	25.03	171.0	3.65	223.0	5.59		
13:48	7.20	1.25	0.12	0.00	25.07	165.0	3.67	202.0	3.88		

Sampling Data

Sample Information

Sample Date:	3/16/2004
Sample Start Time:	13:50
Sample End Time:	14:29
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	25.08
SEC (uS/cm):	165.00
pH:	3.67
ORP (mV):	199.00
Turb (NTU):	3.22

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	0.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	2.80		
H2S:	2.00		
Manganese:	0.00		

Lab Analyses/Methods:

"BTEX/MTBE, TRPH, PAHs, Nitrate/Nitrite, Orthophosphate"

Technician Initials

APPENDIX D

1st Quarter 2004 Site Visit Reports

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pHA-ER OPERATION and MAINTENANCE LOG

Site Name: Cecil Field Site 46 East

Personnel on Site: L E Priester

Date: 1/20/2004

Arrival Time: 10:10 AM

Departure Time: 2:30 PM

Exterior Parameters	Arrival		Departure		Comments
Power Disconnect (On/Off)	On		On		
Power Hour Meter (Hours)			22,670.9		
Pressure Hour Meter (Hours)			22,587.7		
Air Supply					
Leg 1 (PSIG)		15	15		
Leg 2 (PSIG)		15	15		
Nitrous Oxide					
Cylinder 1 (psig, primary/secondary)	MT	AG	500/70	AG	Returned 2 empties to AG Jax.
Cylinder 2 (psig, primary/secondary)	MT	AG	500/70	AG	
Cylinder 3 (psig, primary/secondary)	500/70	AG	500/70	AG	
Cylinder 4 (psig, primary/secondary)	400/70	AG	400/70	AG	
Cylinder 5 (psig, primary/secondary)	500/70	AG	500/70	AG	
Flow Meter (CFH)		1.5		1	
Adjunct Gas					
Cylinder 1 (psig, primary/secondary)	NA		NA		
Flow Meter					
TEP					
Gallons (US, Liq.)	0.75		0.75		Approximately 4.5 inches. None added.
Air Flow (CFM)	1		1		
Air Flow					
Inj. Well I4 (Valve % Open/CFM)	0		0		No change to air flow distribution to leg 1 .
Inj. Well I5 (Valve % Open/CFM)	100		100		
Inj. Well D9 (Valve % Open/CFM)	0		0		
Inj. Well D10 (Valve % Open/CFM)	0		0		
Inj. Well D11 (Valve % Open/CFM)	0		0		
Inj. Well I2 (Valve % Open/CFM)	0		0		
Inj. Well I3 (Valve % Open/CFM)	100		100		
Inj. Well I6 (Valve % Open/CFM)	100		100		
Inj. Well I7 (Valve % Open/CFM)	100		100		
Inj. Well I8 (Valve % Open/CFM)	0		0		
Inj. Well I1 (Valve % Open/CFM)	0		0		
Inj. Well D1 (Valve % Open/CFM)	100		100		No change to air flow distribution to leg 2 .
Inj. Well D2 (Valve % Open/CFM)	100		100		
Inj. Well D3 (Valve % Open/CFM)	100		100		
Inj. Well D4 (Valve % Open/CFM)	50		50		
Inj. Well D5 (Valve % Open/CFM)	0		0		
Inj. Well D6 (Valve % Open/CFM)	25		25		
Inj. Well D7 (Valve % Open/CFM)	25		25		
Inj. Well D8 (Valve % Open/CFM)	0		0		

Maintenance Information	Maintenance Performed
Nitrous System Cylinders/Regulators	OK.
Nitrous Oxide Solenoid Valve	OK
TEP System	OK. IV 100%, OV 100%, BPV 50%
AC Gast M853 Mod 5K49ZN4223	
#1	OK
#2	Turned off
#3	Turned off
#4	Turned off
Air Legs/ Solenoid Valves	OK
Ventilation Fans	OK. Roof fan OK. Verified thermostat function.
Primary Electrical System	OK
PLC-Telemetry	Phone line not functioning.
Relay Assembly	OK
Pressure Switch	OK
Flow Switch	OK
Additional Notes:	Flow continues to be directed to plume hot spot. Checked filters--OK Returned two nitrous empties to AG Jax.

pHA-FR OPERATION and MAINTENANCE LOG		**Date:**	1/20/2001
Site Name: Cecil Field Site 46 West		**Arrival Time:**	10:00 AM
Personnel on Site:	L E Priester	**Departure Time:**	2:30 PM

Exterior Parameters	**Arrival**		**Departure**		**Comments**
Power Disconnect (On/Off)	On		On		
Power Hour Meter (Hours)			8,964.3		Meter is not functioning correctly.
Pressure Hour Meter (Hours)			23,246.8		
Air Supply					
Leg 1 (PSIG)	22		22		
Leg 2 (PSIG)	28		28		
Nitrous Oxide					
Cylinder 1 (psig, primary/secondary)	300/60	AG	700/60	AG	AG Jax
Cylinder 2 (psig, primary/secondary)	700/60	AG	700/60	AG	AG Jax
Cylinder 3 (psig, primary/secondary)	MT		700/60		AG Jax
Flow Meter (CFH)	0.2		0.2		
Adjunct Gas					
Cylinder 1 (psig, primary/secondary)	NA		NA		
Flow Meter					
TEP					
Gallons (US, Liq.)	0.5		0.75		Approximatley 3.0 inches. Added to 4.5
Air Flow (CFM)	1		1		No Change
Air Flow					
Inj. Well I1 (Valve % Open/CFM)	0		0		No change to flow rates.
Inj. Well I2 (Valve % Open/CFM)	25		25		
Inj. Well I3 (Valve % Open/CFM)	0		0		
Inj. Well I4 (Valve % Open/CFM)	25		25		
Inj. Well I5 (Valve % Open/CFM)	25		25		
Inj. Well I8 (Valve % Open/CFM)	25		25		No change to flow rates.
Inj. Well I6 (Valve % Open/CFM)	25		25		Set up for maintenance flow.
Inj. Well I7 (Valve % Open/CFM)	0		0		
Inj. Well D1 (Valve % Open/CFM)	100		100		
Inj. Well D2 (Valve % Open/CFM)	100		100		
Inj. Well D3 (Valve % Open/CFM)	0		0		

Maintenance Information	**Maintenance Performed**
Nitrous System Cylinders/Regulators	OK. No leaks.
Nitrous Oxide Solenoid Valve	OK
TEP System	OK. IV 100%. OV 100%. BPV 50%
AC Gast M853 Mod 5K49ZN4223	
#1 SN 0103706074	OK Checked inlet filters.
#2 SN 0103706070	Turned off.
#3 SN 0103706076	Removed
#4 SN0103706073	Turned off.
Air Legs/ Solenoid Valves	OK.
Ventilation Fan	OK.
Primary Electrical System	OK
PLC-Telemetry	Phone line disconnected
Relay Assembly	OK
Pressure Switch	OK
Flow Switch	OK

Additional Notes:

Flows continue to be directed towards maintenance of treatment area.

Returned 1 MT

pHA-ER OPERATION and MAINTENANCE LOG

Site Name: Cecil Field Site 46 East

Personnel on Site: L E Priester

Date: 2/17/2004

Arrival Time: 9:30 AM

Departure Time: 2:30 PM

Exterior Parameters	Arrival		Departure		Comments
Power Disconnect (On/Off)	On		On		
Power Hour Meter (Hours)			23,425.9		
Pressure Hour Meter (Hours)			23,342.5		
Air Supply					
Leg 1 (PSIG)		15	15		
Leg 2 (PSIG)		15	15		
Nitrous Oxide					
Cylinder 1 (psig, primary/secondary)	MT	AG	500/70	AG	Returned 3 empties to AG Jax.
Cylinder 2 (psig, primary/secondary)	MT	AG	500/70	AG	
Cylinder 3 (psig, primary/secondary)	MT	AG	500/70	AG	
Cylinder 4 (psig, primary/secondary)	400/70	AG	400/70	AG	
Cylinder 5 (psig, primary/secondary)	500/70	AG	500/70	AG	
Flow Meter (CFH)		1.5		1	
Adjunct Gas					
Cylinder 1 (psig, primary/secondary)	NA		NA		
Flow Meter					
TEP					
Gallons (US. Liq.)	0.75		0.75		Approximately 4.5 inches. None added.
Air Flow (CFM)	1		1		
Air Flow					
Inj. Well I4 (Valve % Open/CFM)	0		0		No change to air flow distribution to leg 1 .
Inj. Well I5 (Valve % Open/CFM)	100		100		
Inj. Well D9 (Valve % Open/CFM)	0		0		
Inj. Well D10 (Valve % Open/CFM)	0		0		
Inj. Well D11 (Valve % Open/CFM)	0		0		
Inj. Well I2 (Valve % Open/CFM)	0		0		
Inj. Well I3 (Valve % Open/CFM)	100		100		
Inj. Well I6 (Valve % Open/CFM)	100		100		
Inj. Well I7 (Valve % Open/CFM)	100		100		
Inj. Well I8 (Valve % Open/CFM)	0		0		
Inj. Well I1 (Valve % Open/CFM)	0		0		
Inj. Well D1 (Valve % Open/CFM)	100		100		No change to air flow distribution to leg 2 .
Inj. Well D2 (Valve % Open/CFM)	100		100		
Inj. Well D3 (Valve % Open/CFM)	100		100		
Inj. Well D4 (Valve % Open/CFM)	50		50		
Inj. Well D5 (Valve % Open/CFM)	0		0		
Inj. Well D6 (Valve % Open/CFM)	25		25		
Inj. Well D7 (Valve % Open/CFM)	25		25		
Inj. Well D8 (Valve % Open/CFM)	0		0		

Maintenance Information	Maintenance Performed
Nitrous System Cylinders/Regulators	OK.
Nitrous Oxide Solenoid Valve	OK
TEP System	OK. IV 100%, OV 100%, BPV 50%
AC Gast M853 Mod 5K49ZN4223	
#1	OK
#2	Turned off
#3	Turned off
#4	Turned off
Air Legs/ Solenoid Valves	OK
Ventilation Fans	OK. Roof fan OK. Verified thermostat function.
Primary Electrical System	OK
PLC-Telemetry	Phone line not functioning.
Relay Assembly	OK
Pressure Switch	OK
Flow Switch	OK
Additional Notes:	Flow continues to be directed to plume hot spot. Checked filters--OK Returned three nitrous empties to AG Jax.

pHA-ER OPERATION and MAINTENANCE LOG		Date:	2/17/2004
Site Name: Cecil Field Site 46 West		Arrival Time:	9:30 AM
Personnel on Site:	L E Priester	Departure Time:	2:30 PM

Exterior Parameters	Arrival		Departure		Comments
Power Disconnect (On/Off)	On		On		
Power Hour Meter (Hours)			8,964.1		Meter is not functioning correctly.
Pressure Hour Meter (Hours)			24,003.5		
Air Supply					
Leg 1 (PSIG)	22		22		
Leg 2 (PSIG)	28		28		
Nitrous Oxide					
Cylinder 1 (psig, primary/secondary)	300/60	AG	700/60	AG	AG Jax
Cylinder 2 (psig, primary/secondary)	700/60	AG	700/60	AG	AG Jax
Cylinder 3 (psig, primary/secondary)	MT		700/60		AG Jax
Flow Meter (CFH)	0.2		0.2		
Adjunct Gas					
Cylinder 1 (psig, primary/secondary)	NA		NA		
Flow Meter					
TEP					
Gallons (US, Liq.)	0.5		0.50		Approximatley 3.0 inches. None added
Air Flow (CFM)	1		1		No Change
Air Flow					
Inj. Well I1 (Valve % Open/CFM)	0		0		No change to flow rates.
Inj. Well I2 (Valve % Open/CFM)	25		25		
Inj. Well I3 (Valve % Open/CFM)	0		0		
Inj. Well I4 (Valve % Open/CFM)	25		25		
Inj. Well I5 (Valve % Open/CFM)	25		25		
Inj. Well I8 (Valve % Open/CFM)	25		25		No change to flow ratee.
Inj. Well I6 (Valve % Open/CFM)	25		25		Set up for maintenance flow.
Inj. Well I7 (Valve % Open/CFM)	0		0		
Inj. Well D1 (Valve % Open/CFM)	100		100		
Inj. Well D2 (Valve % Open/CFM)	100		100		
Inj. Well D3 (Valve % Open/CFM)	0		0		

Maintenance Information	Maintenance Performed
Nitrous System Cylinders/Regulators	OK. No leaks.
Nitrous Oxide Solenoid Valve	OK
TEP System	OK. IV 100%, OV 100%, BPV 50%
AC Gast M853 Mod 5K49ZN4223	
#1 SN 0103706074	OK Checked inlet filters.
#2 SN 0103706070	Turned off.
#3 SN 0103706076	Removed
#4 SN0103706073	Turned off.
Air Legs/ Solenoid Valves	OK.
Ventilation Fan	OK.
Primary Electrical System	OK
PLC-Telemetry	Phone line disconnected
Relay Assembly	OK
Pressure Switch	OK
Flow Switch	OK

Additional Notes:

Flows continue to be directed towards maintenance of treatment area.

Returned 1 empty cylinder

pHA-ER OPERATION and MAINTENANCE LOG		**Date:**	3/22/2004 3/23/2004
Site Name: Cecil Field Site 46 East		**Arrival Time:**	10:00 AM 12:00 PM
Personnel on Site:	L E Priester	**Departure Time:**	3:00 AM 2:30 PM

Exterior Parameters	**Arrival**		**Departure**		**Comments**
Power Disconnect (On/Off)	On		On		
Power Hour Meter (Hours)			23,926.4		System turned off for sampling during the past month
Pressure Hour Meter (Hours)			23,842.9		
Air Supply					
Leg 1 (PSIG)		15	15		
Leg 2 (PSIG)		15	15		
Nitrous Oxide					
Cylinder 1 (psig, primary/secondary)	MT	AG	500/70	AG	Returned 3 empties to AG Jax.
Cylinder 2 (psig, primary/secondary)	MT	AG	500/70	AG	
Cylinder 3 (psig, primary/secondary)	MT	AG	500/70	AG	
Cylinder 4 (psig, primary/secondary)	400/70	AG	400/70	AG	
Cylinder 5 (psig, primary/secondary)	500/70	AG	500/70	AG	
Flow Meter (CFH)		1.5		1	
Adjunct Gas					
Cylinder 1 (psig, primary/secondary)	NA		NA		
Flow Meter					
TEP					
Gallons (US, Liq.)	0.6		0.75		
Air Flow (CFM)	1		1		
Air Flow					
Inj. Well I4 (Valve % Open/CFM)	0		0		No change to air flow distribution to leg 1 .
Inj. Well I5 (Valve % Open/CFM)	100		100		
Inj. Well D9 (Valve % Open/CFM)	0		0		
Inj. Well D10 (Valve % Open/CFM)	0		0		
Inj. Well D11 (Valve % Open/CFM)	0		0		
Inj. Well I2 (Valve % Open/CFM)	0		0		
Inj. Well I3 (Valve % Open/CFM)	100		100		
Inj. Well I6 (Valve % Open/CFM)	100		100		
Inj. Well I7 (Valve % Open/CFM)	100		100		
Inj. Well I8 (Valve % Open/CFM)	0		0		
Inj. Well I1 (Valve % Open/CFM)	0		0		
Inj. Well D1 (Valve % Open/CFM)	100		100		No change to air flow distribution to leg 2 .
Inj. Well D2 (Valve % Open/CFM)	100		100		
Inj. Well D3 (Valve % Open/CFM)	100		100		
Inj. Well D4 (Valve % Open/CFM)	50		50		
Inj. Well D5 (Valve % Open/CFM)	0		0		
Inj. Well D6 (Valve % Open/CFM)	25		25		
Inj. Well D7 (Valve % Open/CFM)	25		25		
Inj. Well D8 (Valve % Open/CFM)	0		0		

Maintenance Information	**Maintenance Performed**
Nitrous System Cylinders/Regulators	OK.
Nitrous Oxide Solenoid Valve	OK
TEP System	OK. IV 100%, OV 100%, BPV 50%
AC Gast M853 Mod 5K49ZN4223	
#1	OK
#2	Turned off
#3	Turned off
#4	Turned off
Air Legs/ Solenoid Valves	OK
Ventilation Fans	OK. Roof fan OK. Verified thermostat function.
Primary Electrical System	OK
PLC-Telemetry	Phone line not functioning.
Relay Assembly	OK
Pressure Switch	OK
Flow Switch	OK
Additional Notes:	Flow continues to be directed to plume hot spot. Checked filters--OK Returned three nitrous empties to AG Jax.

pHA ER OPERATION and MAINTENANCE LOG		**Date:**	3/22/2004 3/23/2004
Site Name: Cecil Field Site 46 West		**Arrival Time:**	10:00 AM 12:00 PM
Personnel on Site:	L E Priester	**Departure Time:**	3:00 AM 2:30 PM

Exterior Parameters	**Arrival**		**Departure**		**Comments**
Power Disconnect (On/Off)	On		On		
Power Hour Meter (Hours)			9,031.1		Meter is not functioning correctly.
Pressure Hour Meter (Hours)			24,504.2		System shut down for sampling during the month
Air Supply					
Leg 1 (PSIG)	22		22		
Leg 2 (PSIG)	28		28		
Nitrous Oxide					
Cylinder 1 (psig, primary/secondary)	300/60	AG	700/60	AG	AG Jax
Cylinder 2 (psig, primary/secondary)	MT	AG	700/60	AG	AG Jax
Cylinder 3 (psig, primary/secondary)	MT		700/60		AG Jax
Flow Meter (CFH)	0.2		0.2		
Adjunct Gas					
Cylinder 1 (psig, primary/secondary)	NA		NA		
Flow Meter					
TEP					
Gallons (US, Liq.)	0.45		0.75		
Air Flow (CFM)	1		1		No Change
Air Flow					
Inj. Well I1 (Valve % Open/CFM)	0		0		No change to flow rates.
Inj. Well I2 (Valve % Open/CFM)	25		25		
Inj. Well I3 (Valve % Open/CFM)	0		0		
Inj. Well I4 (Valve % Open/CFM)	25		25		
Inj. Well I5 (Valve % Open/CFM)	25		25		
Inj. Well I8 (Valve % Open/CFM)	25		25		No change to flow rates.
Inj. Well I6 (Valve % Open/CFM)	25		25		Set up for maintenance flow.
Inj. Well I7 (Valve % Open/CFM)	0		0		
Inj. Well D1 (Valve % Open/CFM)	100		100		
Inj. Well D2 (Valve % Open/CFM)	100		100		
Inj. Well D3 (Valve % Open/CFM)	0		0		

Maintenance Information	**Maintenance Performed**
Nitrous System Cylinders/Regulators	OK. No leaks.
Nitrous Oxide Solenoid Valve	OK
TEP System	OK. IV 100%, OV 100%, BPV 50%
AC Gast M853 Mod 5K49ZN4223	
#1 SN 0103706074	OK Checked inlet filters.
#2 SN 0103706070	Turned off.
#3 SN 0103706076	Removed
#4 SN0103706073	Turned off.
Air Legs/ Solenoid Valves	OK.
Ventilation Fan	OK.
Primary Electrical System	OK
PLC-Telemetry	Phone line disconnected
Relay Assembly	OK
Pressure Switch	OK
Flow Switch	OK
Additional Notes:	Flows continue to be directed towards maintenance of treatment area. Returned 2 empty cylinder