GROUNDWATER SAMPLING REPORT
FEBRUARY 1995
Pacific Bell Facility
2610 Norbridge Avenue
Castro Valley, California

Prepared For:

Pacific Bell
2600 Camino Ramon
San Ramon, California

- DRAFT -
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IT Project No. 151933

FEBRUARY 1995

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Pacific Bell Facility
2610 Norbridge Avenue
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Prepared For:

Pacific Bell
2600 Camino Ramon
San Ramon, California

Prepared By:

IT CORPORATION
2055 Junction Avenue
San Jose, California

Project Number 151933

FEBRUARY 1995

INTERNATIONAL
TECHNOLOGY
CORPORATION

February 28, 1995

IT Project No. 151933

Mr. Lyle Stuck
Pacific Bell
2600 Camino Ramon, Room 3E400Q
San Ramon, California 94583

Subject: **GROUNDWATER SAMPLING-FEBRUARY 1995**
Pacific Bell Facility
2610 Norbridge Avenue
Castro Valley, California

Dear Mr. Stuck:

IT Corporation (IT) has prepared this report to present the results of groundwater sample collection and analysis at the above referenced site (Figures 1 and 2). Groundwater sampling was performed by IT on February 15, 1995. Data collected at the site is summarized on the attached Table 1.

BACKGROUND

The site is a Pacific Bell equipment storage and maintenance yard (Figure 2). One 10,000 gallon fiberglass unleaded gasoline UST was used at the site primarily to supply fuel for Pacific Bell vehicles.

On May 4, 1993, Balch Petroleum, a Pacific Bell contractor, removed the UST. The removal was observed by Pacific Bell, IT, the Eden Consolidated Fire Protection District (ECFPD, Inspector Tony Rocha), and the Alameda County Department of Environmental Health (ACDEH, Mr. Amir Gholami). This fiberglass UST was replaced with a 10,000 gallon double-wall glass-steel tank manufactured by Modern Welding (Fresno, California).

IT collected and analyzed three soil samples (SOIL-1, SOIL-2, and SOIL-3) from the original excavation sidewalls, approximately 6 feet below ground surface (BGS). The southern sidewall sample (SOIL-3) contained 12 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPH-G). Benzene, toluene, ethyl benzene, and xylenes (BTEX) were not detected (ND) in any of the samples.

A second round of over-excavation was initiated to remove hydrocarbon impacted soil adjacent to the southwest corner of the excavation. Three verification samples (SOIL-8, SOIL-9, and SOIL-10) were collected from this over-excavated area. A groundwater grab sample

GRABWATER-1 was collected from standing water within the excavation following the tank removal. This sample contained 7,900 parts per billion (ppb) TPH-G and BTEX concentrations up to 110 ppb ethyl benzene and total xylenes (IT Corporation, 1993).

Additional field investigation was conducted between February 2 and 15, ~~1995~~ 1994, and involved the drilling and sampling of four borings (SB-1, SB-2, SB-3, and MW-1) with subsequent construction of a monitoring well (MW-1) within one of the borings. A groundwater sample was collected from the completed well. Laboratory analysis did not detect TPH-G/BTEX in the soil and groundwater samples.

SCOPE OF WORK

On February 15, 1995, the depth to water was measured from the top of the well casing with an electronic meter. A depth of 4.0 feet was recorded. Afterward, three well casing volumes were purged from the well with a disposable bailer. Temperature, conductivity, and pH parameters were measured and recorded on a field log. Once the well recovered to at least 80% of its initial level, a groundwater sample was collected and poured into laboratory supplied sample containers and stored in a pre-chilled ice chest. The sample was shipped, under chain of custody protocol, to Inchcape Testing Services of San Jose, California, a State-certified hazardous waste laboratory. The sample was analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethyl benzene, and xylenes (BTEX) using modified EPA Methods 8015 and 8020 in series. The water from the well development and sampling is currently stored onsite in 55 gallon drums pending disposal.

RESULTS

Laboratory analyses reported that TPH-G was detected at a concentration of 74 parts per billion (ppb) and BTEX did not exceeded the laboratory detection limits. The detection limits were 50 μg/l (ppb), for TPH-G, and 0.5 ppb for BTEX.

CONCLUSIONS

Field and analytical data from the February 15, 1995, quarterly groundwater sampling and analysis at the site indicate the following:

- Shallow groundwater is present at a depth of approximately 4.0 feet below the ground surface.
- No detectable concentrations of BTEX were present in the groundwater sample from the monitoring well.
- TPH-G was present in the groundwater sample at a concentration of 74 ppb.

If you have any questions please call us at (408) 894-1200.

Respectfully submitted,
IT CORPORATION

Michael D. Miller, R.G., R.E.A.
Project Manager

Jesus M. Mata
Engineering Technician

cc: Irene Soto, Pacific Bell
Scott Seery, Alameda County Health Agency

Attachments:

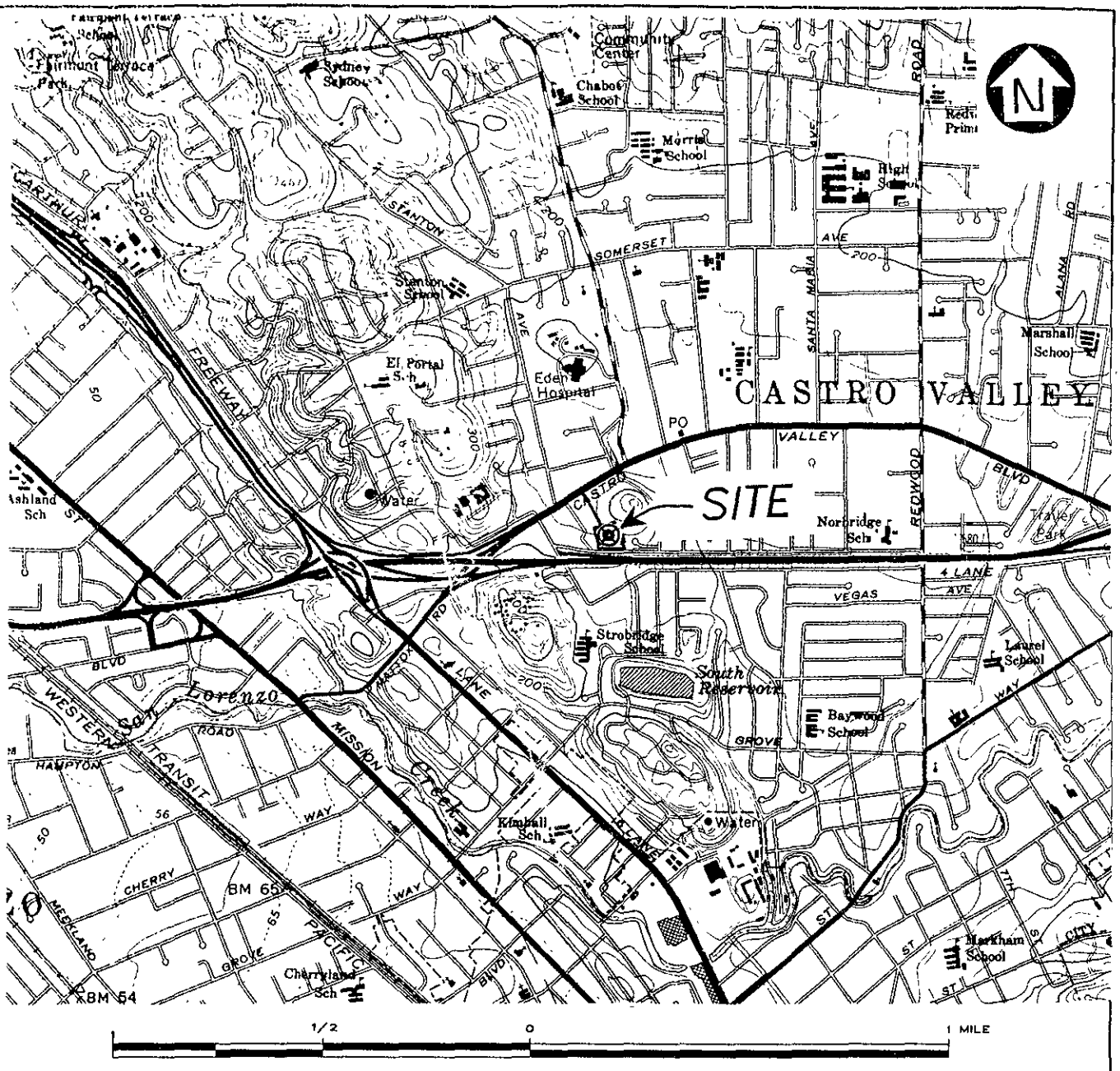
1) Table 1: Groundwater Sample Collection Data
2) Figure 1: Site Vicinity Map
3) Figure 2: Site Map
4) Laboratory Report

TABLE 1
GROUNDWATER SAMPLE COLLECTION DATA
PACIFIC BELL FACILITY
INDUSTRIAL DRIVE, FREMONT, CALIFORNIA

Sample I.D.	MW-1(2-95)
Date Sampled	02/15/95
TPH-G	74 ppb*
Benzene	ND < 0.5 ppb
Toluene	ND < 0.5 ppb
Ethyl benzene	ND < 0.5 ppb
Xylenes	ND < 0.5 ppb
Depth to Water	4.0 feet
Total Depth	15.57 feet
Well Diameter	4 inch
Casing Volume	7.75 gallon
Volume Purged	23.25 gallons
Purged Dry	No
Purging Device	Disposable Teflon Bailer
Sampling Device	Disposable Teflon Bailer
Laboratory	Inchcape Testing Services

* Laboratory results reported in μg/l (parts per billion-ppb)

DRAWN BY	JM	QA/QC BY	APPROVED BY	DRAWING NO	FILE/DISK
	06-30-93		M. Miller 3/31/94	151933-VM	5193JGCD04



NOTES:

HAYWARD QUADRANGLE 7.5 MINUTE SERIES (TOPOGRAPHICS). MAPPED, EDITED AND PUBLISHED BY THE U.S. GEOLOGICAL SURVEY. PHOTOREVISED 1980.

FIGURE 1
VICINITY MAP

IT PROJECT NO. 151933

PACIFIC BELL FACILITY
2610 NORBRIDGE AVENUE
CASTRO VALLEY, CALIFORNIA

PREPARED FOR

PACIFIC BELL
SAN RAMON, CALIFORNIA

INTERNATIONAL TECHNOLOGY CORPORATION

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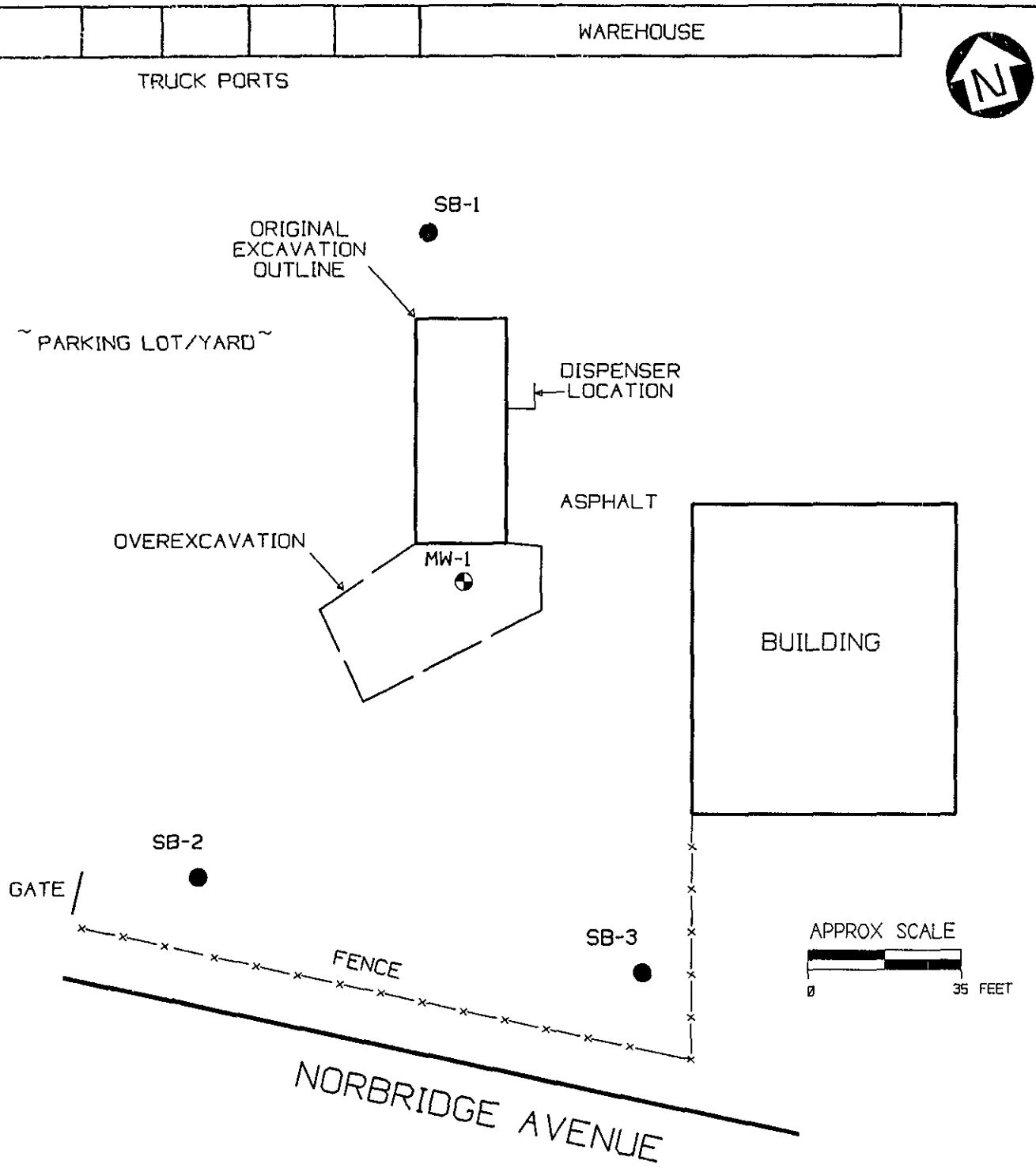
	06-30-93	APPROVED BY	FILE/DISK	51933/GC004

M. Miller 3-31-94



LEGEND

- ◒ MONITORING WELL
- ● SOIL BORING

FIGURE 2

SITE PLAN

IT PROJECT NO. 151933

PACIFIC BELL FACILITY
2610 NORBRIDGE AVENUE
CASTRO VALLEY, CALIFORNIA

PREPARED FOR

PACIFIC BELL
SAN RAMON, CALIFORNIA

INTERNATIONAL TECHNOLOGY CORPORATION

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. MIKE MILLER
IT CORPORATION - SAN JOSE
2055 JUNCTION AVENUE
SAN JOSE, CA 95131

Workorder # : 9502172
Date Received : 02/16/95
Project ID : 151933.01
Purchase Order: 27570

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9502172- 1	MW1(295)

This report is organized in sections according to the specific Anametrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anametrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Corinne Chan for
Susan Kraska Yeager
Laboratory Director

02/23/95
Date

Project Manager

This report consists of 9 pages.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. MIKE MILLER
IT CORPORATION - SAN JOSE
2055 JUNCTION AVENUE
SAN JOSE, CA 95131

Workorder # : 9502172
Date Received : 02/16/95
Project ID : 151933.01
Purchase Order: 27570
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9502172- 1	MW1(295)	WATER	02/15/95	TPHgBTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. MIKE MILLER
IT CORPORATION - SAN JOSE
2055 JUNCTION AVENUE
SAN JOSE, CA 95131

Workorder # : 9502172
Date Received : 02/16/95
Project ID : 151933.01
Purchase Order: 27570
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentration reported as gasoline for sample MW1(295) is primarily due to the presence of a discrete peak not indicative of gasoline.

Cheryl Bauman 2/22/95
Department Supervisor Date

Lucia Shor 2/22/95
Chemist Date

Organic Analysis Data Sheet
Total Petroleum Hydrocarbons as Gasoline with BTEX
ITS - Anametrix Laboratories - (408)432-8192

Lab Workorder : 9502172 Client Project ID : 151933.01

Matrix : WATER Units : ug/L

Compound Name	Method Reporting Limit*	Client ID MW1(295) Lab ID 9502172-01	Client ID Lab ID METHOD BLANK	Client ID Lab ID 	Client ID Lab ID 	Client ID Lab ID
Benzene	0.50	ND	ND			
Toluene	0.50	ND	ND			
Ethylbenzene	0.50	ND	ND			
Total Xylenes	0.50	ND	ND			
TPH as Gasoline	50	74	ND			
Surrogate Recovery		96%	96%			
Instrument ID		HP12	HP12			
Date Sampled		02/15/95	N/A			
Date Analyzed		02/17/95	02/17/95			
RLMF		1	1			
Filename Reference		FPF17201.D	BF1701E1.D			

* The Method Reporting Limit must be multiplied by the Reporting Limit Multiplication Factor (RLMF) to achieve the compound's reporting limit in the analysis.

ND : Not detected at or above the reporting limit for the analysis as performed.
TPHg : Determined by GC/FID following sample purge & trap by EPA Method 5030.
BTEX : Determined by modified EPA Method 8020 following sample purge & trap by EPA Method 5030.

Lab Control Limits for surrogate compound p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Irma Steer 2/22/95
Analyst Date

Cheryl Bedman 2/22/95
Supervisor Date

INTERNATIONAL TECHNOLOGY CORPORATION PACIFIC BELL

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 506292
Page 1 of 1

Project Name/No.[1] 151933.01
Sample Team Members[2] D.M.
Profit Center No.[3]
Project Manager[4] MIKE MILLER
Purchase Order No.[6]
Required Report Date[11] NORMAL

Samples Shipment Date[7] 2-16-95
Lab Destination[8] INCHCAPE
Lab Contact[9] SIMON
Project Contact/Phone[12] MIKE MILLER (408) 894-1200
Carrier/Waybill No.[13]

Bill to:[5] IT CORPORATION
4585 PACHECO BLVD.
MARTINEZ, CA 94553

Report to:[10] IT CORPORATION
2055 JUNCTION AV
SAN JOSE, CA 95131
ATT: MIKE MILLER

ONE CONTAINER PER LINE

Sample Number[14]	Sample Description/Type[15]	Date/Time Collected[16]	Container Type[17]	Sample Volume[18]	Preservative[19]	Requested Testing Program[20]	Condition on Receipt[21]	Disposal Record No.[22]
MW-1(2-95)	GROUNDWATER	2-15-95 @ 11:15	3x40ml. VOA	120ml.	HCL	TPHG/BTEX	FOR LAB USE ONLY	
							FOR LAB USE ONLY	

Special Instructions:[23]

Possible Hazard Identification:[24]
Non-hazard ☑ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal:[25]
Return to Client ☐ Disposal by Lab ☑ Archive _____ (mos.)

Turnaround Time Required:[26]
Normal ☑ Rush ☐

QC Level:[27]
I. ☑ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by[28] (Signature/Affiliation) John M. Motz	Date: 2-16-95 @ Time:	1. Received by[28] (Signature/Affiliation) ITS	Date: 2/16/95 Time: 0940
2. Relinquished by (Signature/Affiliation) ITS	Date: 2/16/95 Time: 0955	2. Received by (Signature/Affiliation) Josephine DeCarli	Date: 2/16/95 Time: 09:55
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments:[29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

INTERNATIONAL
TECHNOLOGY
CORPORATION

RESPONSIVE TO THE NEEDS OF ENVIRONMENTAL MANAGEMENT