PHILIP
ENVIRONMENTAL

Environmental Services Group
Southern Region

Dwip

Lindrith Unit #23 D - 9 - 24N - 03W
Meter Code 74692

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 434 parts per million. Soil analytical were as follows; benzene - < 0.5 mg/kg, total BTEX - 39.3 mg/kg, TPH - 555 mg/kg.

One soil boring was completed and no monitoring well installed. Groundwater was encountered at 17.4 feet. No groundwater or soil samples were collected.

The pit was re-excavated with analytical for the soil samples as follows; benzene - 0.063 mg/kg, total BTEX - 2.88 mg/kg, TPH - 96.3 mg/kg.

A RECON® survey was conducted and three groundwater samples were collected between the pit and Largo wash. The samples were collected and analyzed using a laboratory-grade gas chromatograph by Philip Environmental's RECON® System. The on-site analytical results are as follows; PH-01: benzene - not detected (ND) , toluene - ND , ethylbenzene - ND, xylenes - ND, PH-02 : benzene - ND , toluene - ND , ethylbenzene - ND, xylenes - ND, PH-03: benzene <1 ug/L, toluene - 3 ug/L, ethylbenzene - ND, xylenes - 2 ug/l.

Denny L. Foust
DEPUTY OIL & GAS INSPECTOR
FEB 0 6

PHILIP ENVIRONMENTAL SERVICES CORPORATION
4000 Monroe Road • Farmington, NM 87401
(505) 326-2262 • Fax (505) 326-2388

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FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 74692 Location: Lindrith Unit 23
Operator #: 2999 Operator Name: MOI P/L District: OJITO
Coordinates: Letter: D Section 9 Township: 24 Range: 3
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: ✓ Line Drip: ___ Other: _____
Site Assessment Date: 8/2/94 Area: 08 Run: 83

SITE ASSESSMENT

NMOCD Zone:
(From NMOCD Maps)

Inside	☒ (1)
Outside	☐ (2)

Land Type:

BLM	☐ (1)
State	☐ (2)
Fee	☒ (3)
Indian	_____

Depth to Groundwater

Less Than 50 Feet (20 points)	☒ (1)
50 Ft to 99 Ft (10 points)	☐ (2)
Greater Than 100 Ft (0 points)	☐ (3)

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points)	☒ (1)
200 Ft to 1000 Ft (10 points)	☐ (2)
Greater Than 1000 Ft (0 points)	☐ (3)

Name of Surface Water Body Cañada Larga
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 **POINTS**

Remarks : Redline Book - Inside Vulnerable Zone Topo - Inside
pit. Will close. Pit dry

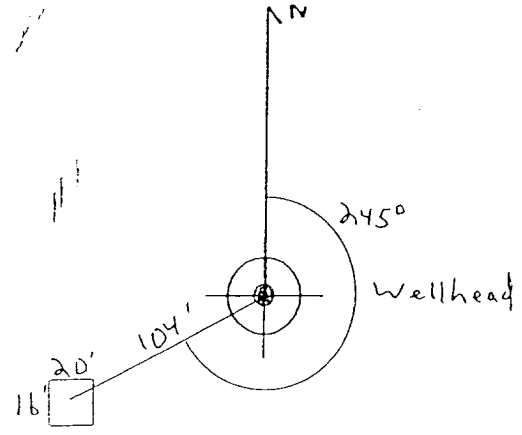
74692

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 245° Footage from Wellhead 104'

b) Length : 20' Width : 16' Depth : 3'



Remarks :

Pictures @ 0937

ompleted By:

Cory Chang 8/2/94

Signature Date

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 74692 Location: Lindrith Unit #23

Coordinates: Letter: D Section 9 Township: 24 Range: 3

Or Latitude _____ Longitude _____

Date Started : 10/11/94 Run: 08 83

FIELD OBSERVATIONS

Sample Number(s): KD 328 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 434 ppm PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards ~~60~~ 180 cy 9/28/95

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☒ ☐ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 10/11/94 Pit Closed By: BEI

REMARKS

Remarks : Took pit to 12', Took pid Sample, closed pit. pit had approximately 4' of over burden.

Signature of Specialist: Kurt Dam

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD328	946402
MTR CODE | SITE NAME:	74692	Lindrith Unit #23
SAMPLE DATE | TIME (Hrs):	10/11/94	1215
PROJECT:	Phase I	
DATE OF TPH EXT. | ANAL.:	10/17/94	10/17/94
DATE OF BTEX EXT. | ANAL.:	10/19/94	10/23/94
TYPE | DESCRIPTION:	VC	Brown sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG	20			
TOLUENE	32	MG/KG	20			
ETHYL BENZENE	<0.5	MG/KG	20			
TOTAL XYLENES	6.3	MG/KG	20			
TOTAL BTEX	39.3	MG/KG				
TPH (418.1)	555	MG/KG			2.20	28
HEADSPACE PID	434	PPM				
PERCENT SOLIDS	93.9	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 82 % for this sample All QA/QC was acceptable.

Narrative:

A performed analyses.

DF = Dilution Factor Used

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER: # 24324

PROJECT NAME: Pit Closure Project

SAMPLERS: (Signature) [illegible]

DATE: 10/11/94

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
	10/11/94	0850	Soil	KD 327	1	VC	X	X				297	
	10/11/94	1215	Soil	KD 328	1	VC	X	X				298	
	10/11/94	1545	Soil	KD 329	1	VC	X	X				299	
	10/11/94	1545	Soil	KD 330	1	D	X	X				–	
	10/11/94	1550	Soil	KD 331	1	B	X	X				–	
	10/11/94	1615	Soil	KD 332	1	VG	X	X				300	

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[illegible]	10/13/94 1850	Brenda Kiess	Brenda Kiess	10/14/94 0925	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
					Kim Kind

REQUESTED TURNAROUND TIME: ☐ ROUTINE ☐ RUSH

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565 A (Rev. 05-94)

Phase II Soil Boring

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL
000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well #
Page 1 of 1

Project Name: EPNG PITS
Project Number: 14509 Phase: 6000 / 77
Project Location: Lindrith Unit #23 74692

Elevation
Borehole Location
GWL Depth
Logged By: CM CHANCE
Drilled By: ~~M DONOHUE~~ K. Padilla
Date/Time Started: 6/1/95 - 0950
Date/Time Completed: 6/1/95 - 1100

Well Logged By: CM Chance
Personnel On-Site: K Padilla, F. Rivera
Contractors On-Site
Client Personnel On-Site

Drilling Method: 4 1/4" ID HSA
Air Monitoring Method: PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	S HS	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	8"	Blk silty CLAY, tr vf sand, med stiff, med plastic, odor			8'	300	358/450	1000 GW @ 17.4' BGS ~~Water @ 17.4'~~
20	2	20-22	0				0	150	NA	Cuttings have strong odor + Black
				TOB 22'						
25										
30										
35										
40										

Comments: Hit GW @ ~19'. After 15 min water level is 17.4' Last sample above GW was visibly contaminated + contaminated on PID. No sample sent to lab

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE III

GENERAL

Meter: 74692 Location: Lindrith unit #23

Coordinates: Letter: O Section 09 Township: 24 Range: 03

Or Latitude _____ Longitude _____

Date Started : _____ Area: 08 Run: 83

FIELD OBSERVATIONS

Sample Number(s): 1P39 _____ _____ _____

Sample Depth: 18' Feet

Final PID Reading 107.8 PID Reading Depth 18' Feet

	Yes	No
Groundwater Encountered	☒ (1)	☐ (2)

Approximate Depth 18'6" Feet

Final Dimensions: Length 29' Width 25' Depth 18'

CLOSURE

Remediation Method :

Excavation	☒ (1)	Approx. Cubic Yards 1450
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☐ (3)	

Overburden Cubic Yards 280

Soil Disposition:

Envirotech	☒ (1)	☐ (3)	Tierra
Other Facility	☐ (2)	Name:	

Pit Closure Date: 6-29-95 Pit Closed By: Phillip Env.

REMARKS

Remarks : Remediated to 18', Alton James said to pull Sample & close pit. Final composite sample showed 107.8 at 76° closed pit. Backfill came out perfect with 1 ft Cap. Phase III

Signature of Specialist: James T Powers

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP39	946936
MTR CODE | SITE NAME:	74692	Lindrith Unit #23
SAMPLE DATE | TIME (Hrs):	06/28/95	1200
PROJECT:	Phase II Excavation	
DATE OF TPH EXT. | ANAL.:	07/04/95	07/04/95
DATE OF BTEX EXT. | ANAL.:	07/06/95	07/06/95
TYPE | DESCRIPTION:	VC	Brown clay w/fine sand

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	0.063	MG/KG	1			
TOLUENE	1.1	MG/KG	1			
ETHYL BENZENE	0.22	MG/KG	1			
TOTAL XYLENES	1.5	MG/KG	1			
TOTAL BTEX	2.88	MG/KG				
TPH (418.1)	96.3	MG/KG			2.00	28
HEADSPACE PID	108	PPM				
PERCENT SOLIDS	85.6	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 96 % for this sample All QA/QC was acceptable.

Narrative:

/ performed analyses.

DF = Dilution Factor Used

Approved By: [illegible] Date: 7/10/95

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						CONTACT LABORATORY P. O. NUMBER
	Pit Closure Project # 24324									
SAMPLERS: (Signature) James L Power	DATE: 6/16/94									
LAB ID	DATE / TIME / MATRIX / SAMPLE NUMBER			TPH EPA 418.1	BTEX EPA 8020				FEQ #	REMARKS
	6/16/94 1210 soil 4P39	1	VC	X	X				35	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
James L Power	6/16/94 1930 35	Brenda Lies	Brenda Lies	6/17/94 0907 23	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
					Kim King

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

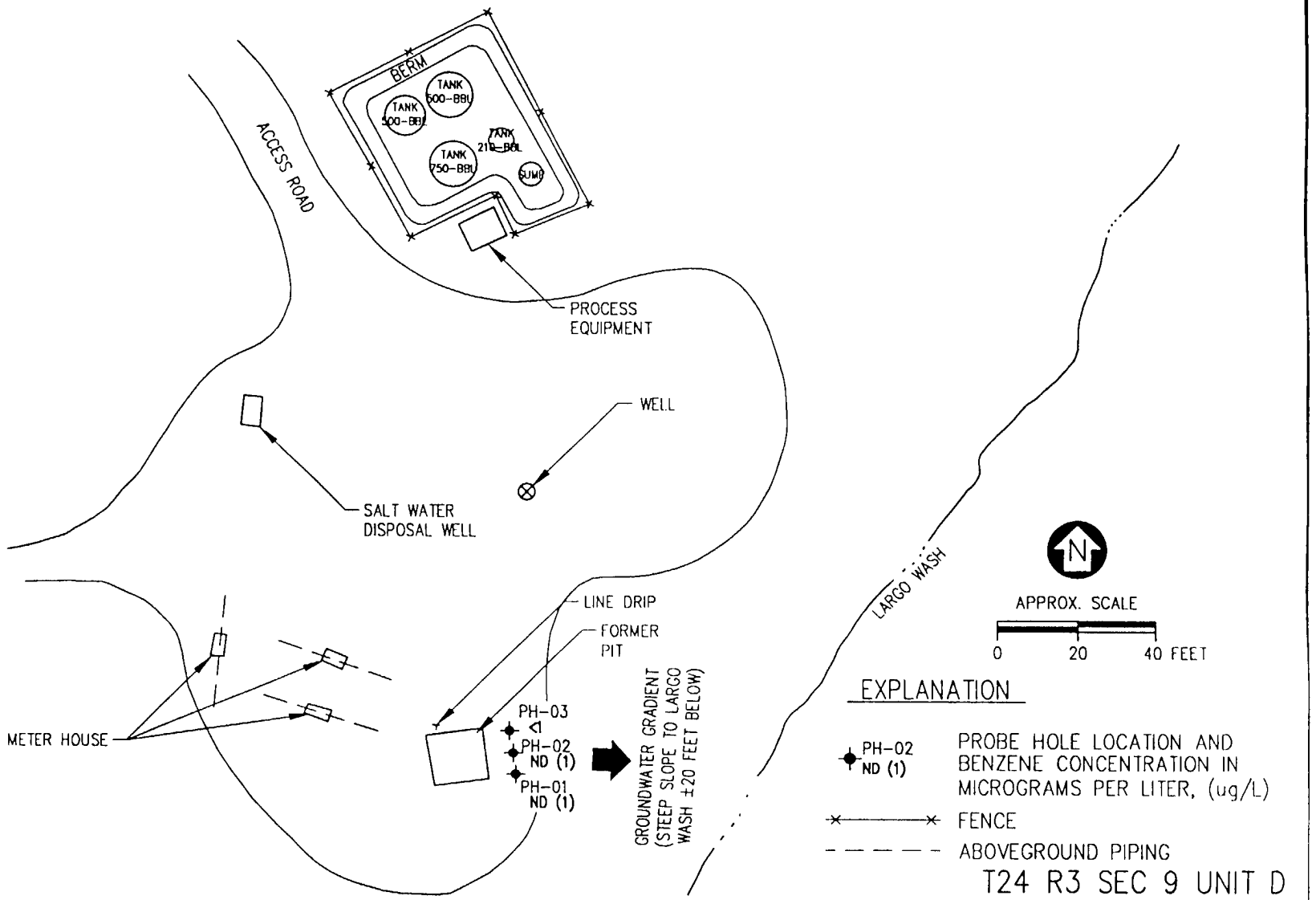
FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565A (Rev. 03-94)

RECON®



PHILIP ENVIRONMENTAL

TITLE:
LINDRITH UNIT NO. 23
METER 74692

SCALE	AS NOTED	DATE
DWN:	M.R.W.	12/12/95
DES:		
CHKD:	K.B.G.	12/15/95
APPD:		

PROJECT NO: 13947
EPNG-RECON PITS

FIGURE 30

REV: 0

COL J:\13947\CIV\CL030

PHILIP

RECON SAMPLE ANALYSIS

DATA SUMMARY TABLE

Project: 13947

Sample I.D.	Probe Hole Number	Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments
EGC#S1-08	PH-02	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-09	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-10	PH-03	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-11	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-12	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-01	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-02	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-03	PH-01	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-04	PH-01	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-07	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-08	PH-02	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-09	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-10	PH-03	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-11	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-12	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#M1-12-D	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Duplicate
Blank-91	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-30	N/A	N/A	11	611	534	532	512	QC - Retention Times
Blank-92	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1205	N/A	N/A	12	705	705	706	707	Calibration Standard
Blank-93	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-94	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
LINDRITH23-01	PH-01	21-27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
LINDRITH23-02	PH-02	21-27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
LINDRITH23-03	PH-03	21-27	<1	3	ND(1)	2	ND(1)	Groundwater
LINDRITHB24-01	PH-01	21-27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater

D = duplicate analysis.
QC = quality control.
ug/L = micrograms of compound detected per liter of soil or groundwater vapor analyzed.
ND = not detected at the lower quantifiable limit indicated in parenthesis.
N/A = not applicable.
MS = matrix spike.

QA Review: Paul E Anderson

Review Date: 1-31-96 AK 2/13/96