

Hammond Federal No. 5 *D-25-27N-c80*
Meter Code 75336

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 710 parts per million. Soil analytical from a composite sample was as follows; benzene - < 1 mg/kg, total BTEX - 106 mg/kg, TPH - 270 mg/kg.

One soil boring was completed and a monitoring well installed. Soil boring analytical results were as follows; benzene - 2 mg/kg, total BTEX - 12 mg/kg, TPH - 146 mg/kg. Groundwater was encountered at 44.4 feet. Initial groundwater analytical were as follows; benzene - 2.9 ug/L, toluene - 54.9 ug/L, ethylbenzene - 19.4 ug/L, xylenes - 239 ug/l. Second groundwater analytical were as follows; benzene - 2 ug/L, toluene - <1.0 ug/L, ethylbenzene - 46.6 ug/L, xylenes - 80 ug/l.

Dennis E. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 06

H. J. ...

FIELD PIT SITE ASSESSMENT FORM

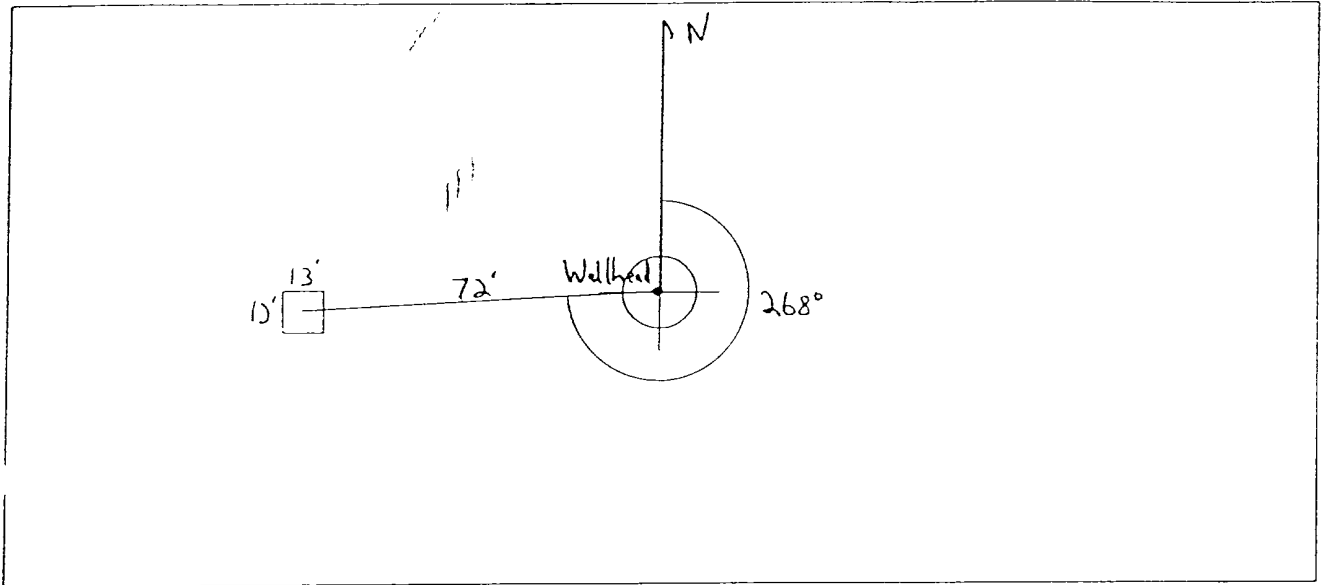
GENERAL	Meter: <u>75336</u> Location: <u>HAMMOND Fed No 5</u> Operator #: <u>0286</u> Operator Name: <u>Concho</u> P/L District: <u>Blanco</u> Coordinates: Letter: <u>D</u> Section <u>25</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: ☒ Line Drip: _____ Other: _____ Site Assessment Date: <u>5/24/94</u> Area: <u>13</u> Run: <u>31</u>	
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 <u>Large Canyon</u> (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: <u>40</u> POINTS	
REMARKS	Remarks : <u>Redline + Vols - Inside</u> <u>1 pit. Will close. Pit Dry</u> D/11/HAU	

75226

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 268° Footage from Wellhead 72'
b) Length : 13' Width : 13' Depth : 2'

ORIGINAL PIT LOCATION



Remarks :

Pictures @ 1535 (6-9)

End Dump

REMARKS

Completed By:

Cory Chase

5/24/94

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>75336</u> Location: <u>HAMMOND Fld No 5</u> Coordinates: Letter: <u>D</u> Section <u>25</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Date Started : <u>6-6-94</u> Area: <u>13</u> Run: <u>31</u>
FIELD OBSERVATIONS	Sample Number(s): <u>KP #84</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>710</u> PID Reading Depth <u>12'</u> Feet Yes No Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet
CLOSURE	Remediation Method : Excavation ☒ (1) Approx. Cubic Yards <u>60</u> Onsite Bioremediation ☐ (2) Backfill Pit Without Excavation ☐ (3) Soil Disposition: Envirotech ☐ (1) ☒ (3) Tierra Other Facility ☐ (2) Name: _____ Pit Closure Date: <u>6-6-94</u> Pit Closed By: <u>B.E.I.</u>
REMARKS	Remarks : <u>Some line markers on location. Small pit</u> <u>Started Remediating To 12' Soil Turned Black. Smell Bad</u>
	Signature of Specialist: <u>Kelly Padilla</u>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP84	945360
MTR CODE SITE NAME:	75336	Hammond Federal #5
SAMPLE DATE TIME (Hrs):	06/06/94	1102
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	06/07/94	06/07/94
DATE OF BTEX EXT. ANAL.:	06/09/94	06/11/94
TYPE DESCRIPTION:	VC	Black sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.62	MG/KG	25			
TOLUENE	<0.62	MG/KG	25			
ETHYL BENZENE	5.2	MG/KG	25			
TOTAL XYLENES	100	MG/KG	25			
TOTAL BTEX	106	MG/KG				
TPH (418.1)	270	MG/KG			2.06	28
HEADSPACE PID	710	PPM				
PERCENT SOLIDS	90.0	%				

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

The Surrogate Recovery was at 348 % for this sample All QA/QC was acceptable.

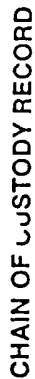
Narrative:

1 performed analyses. Surrogate recovery was outside ATI QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By: _____

Date: 7/15/01

[illegible]

Phase II Soil Boring

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

100 Monroe Road

Albuquerque, New Mexico 87401

(506) 326-2262 FAX (506) 326-2388

Borehole # BH-1

Well #

Page 1 of 2

Project Name

EPNG PITS

Project Number

14509

Phase

6000 77

Project Location

Hammond Fed No. 5 75334

Well Logged By

CM Chance

Personnel On-Site

K Padilla, F. Rivera, D. Charlie

Contractors On-Site

Client Personnel On-Site

Elevation

Borehole Location QD-S25-727-R8

GWL Depth

42' BGS

Logged By

CM CHANCE

Drilled By

K Padilla

Date/Time Started

8/29/95 - 1250

Date/Time Completed

8/30/95 1150

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			Drilling Conditions & Blow Counts	
							BZ	SH	HS		
0				Backfill to 12'							
5											
10											
15	1	15-16	14"	Redish Br SANDSTONE, f. sand, tr med sand, poorly cemented,			0	10	296 972	1300	
20	2	20-22	8"	Br clayey SAND, vf-f sand, med dense, sl moist			0	132	26 318	1209	
25	3	25-27	8"	Br/gry mottled sandy CLAY, soft med plastic, sl moist			0	200	202 300	1315	
30	4	30-32	10"	AA lt gry silty SAND, vf sand, med dense, sl moist			1	50	457 1200	1327	
35	5	35-37	18"	DK Br sandy CLAY, vf sand, soft low plastic, sl moist			0	180	700 1238	1236	
40	6	40-42	0"	lt Br SANDSTONE, vf sand, sl xtn, hard			0	202	254	1250	gravel-hard dnly

Comments:

Geologist Signature

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
 Well # _____
 Page 2 of 2

PHILIP ENVIRONMENTAL

700 Monroe Road
 Alhambra, New Mexico 87401
 (505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
 Project Number 14509 Phase 6000 77
 Project Location Hammond Field No. 5 75376

Elevation _____
 Borehole Location QD-SAS-T27-RK
 GWL Depth _____
 Logged By CM CHANCE
 Drilled By K Padilla
 Date/Time Started 8/29/95-1250
 Date/Time Completed 8/30/95-1150

Well Logged By CM Chance
 Personnel On-Site K Padilla, F. Rivero, D. Charles
 Contractors On-Site J. Johnson 8/29
 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 HS			Drilling Conditions & Blow Counts
40	6	40-42	6"	Bl silty SAND, vff sand, dense, sl moist			D	202	354 994	-1250
45	7	45-46	8"	off wh SAND, F-med sand, med dense, saturated			D	120	0 VA	-GW @ 44.4' BGS -1404 8/29/95 8/30/95 -GW rose to 42.0' overnight -v. hard to in.
50				TAB 50'						
55										
60										
65										
70										
75										
80										

Comments:

Ground water @ 44.4' BGS. Sample CMC98 (40-42') sent to lab (BTEX/PAH). Sample
 bagged & iced prior to containerization. Will drill to 54.5' w/ 8 1/4" ID auger-s.
 Refusal @ 50' BGS. Set well @ 50' BGS.

Geologist Signature

Comm. C.D.



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC98	947359
MTR CODE SITE NAME:	75336	Hammond Federal #5
SAMPLE DATE TIME (Hrs):	08/29/95	1350
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	08/30/95	09/06/95
DATE OF BTEX EXT. ANAL.:	08/30/95	09/05/95
TYPE DESCRIPTION:	VG	Light brown sand & sandstone

Field Remarks: _____

RESULTS

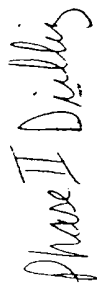
PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 2	MG/KG	4	D		
TOLUENE	< 2	MG/KG	4	D		
ETHYL BENZENE	< 2	MG/KG	4	D		
TOTAL XYLENES	< 6	MG/KG	4	D		
TOTAL BTEX	< 12	MG/KG	4	D		
TPH (418.1)	146	MG/KG			2.12	28
HEADSPACE PID	994	PPM				
PERCENT SOLIDS	92.1	%				

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

The Surrogate Recovery was at 92 % for this sample All QA/QC was acceptable.
Narrative: _____

DF = Dilution Factor Used

Approved By: *John L. Lantieri*Date: *7/18/96*



Page _____ of _____

White • Testing Laboratory Canary • EPNG Lab Pink • Field Sampler

MONITORING WELL INSTALLATION RECORD

Philip Environmental Services Corp.
4000 Marvot Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2368

Borehole # BH-1
Well # MW-1
Page 1 of 1

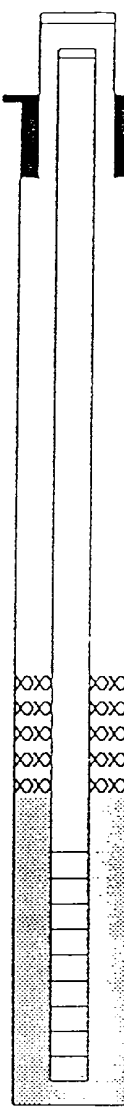
Project Name EPNG PITS

Project Number 14509 Phase 6001.77
Project Location Hammond Fed No. 5 75326

On-Site Geologist CM Chance
Personnel On-Site ERisco, J. Johnson
Contractors On-Site _____
Client Personnel On-Site _____

Elevation _____
Well Location QD-S25-T27-R8
GWL Depth _____
Installed By K. Padilla

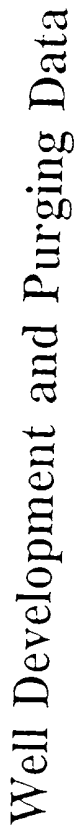
Date/Time Started 8/20/95-1210
Date/Time Completed 8/31/95-1130

Depths in Reference to Ground Surface				
Item	Material	Depth		
Top of Protective Casing		NA		Top of Protective Casing <u>NA</u>
Bottom of Protective Casing		NA		Top of Riser <u>+3</u>
Top of Permanent Borehole Casing		NA		Ground Surface <u>0'</u>
Bottom of Permanent Borehole Casing		NA		
Top of Concrete		NA		
Bottom of Concrete		NA		
Top of Grout	7-94# Type I-II Portland Cement	0'		
Bottom of Grout	25-50# Portland Cement	29.5'		
Top of Well Riser	37.5' 4" dia SCH40	+3'		
Bottom of Well Riser	Flush Thread PVC	34.5'		
Top of Well Screen	15' 4" dia SCH40 Flush Thread	34.5'		
Bottom of Well Screen	0.01 slot PVC	49.5'		Top of Seal <u>29.5'</u>
Top of Peltonite Seal	1.5-50# Enviro plug	29.5'		
Bottom of Peltonite Seal	Bentonite	31.5'		Top of Gravel Pack <u>31.5'</u>
Top of Gravel Pack	22-50# 10-20	31.5'		Top of Screen <u>34.5'</u>
Bottom of Gravel Pack	Silica Sand	49.5'		
Top of Natural Cave-In		49.5'		
Bottom of Natural Cave-In		50'		
Top of Groundwater		42'		
Total Depth of Borehole		50'		Bottom of Screen <u>49.5'</u> Bottom of Borehole <u>50'</u>

Comments: Added 15 gal potable water while drilling at ~25 gal while installing well. Total 40 gal.
Bentonite hydrated w/ 5 gal potable water. Locking well cap & padlock placed on well.
GW had no odor or visible contamination.

Geologist Signature

CM Chance



☒ Development
☐ Purging

Well Number MW-1

Page _____ of _____

Project No. 14509

Project Manager Cory Chance

Phase.Task No. 6003.77

Site Address

Development Criteria

- ☒ 3 to 5 Casing Volumes of Water Removal
- ☐ Stabilization of Indicator Parameters

Instruments

#413AC

☐ DO Monitor☒ Conductivity Meter

~~1~~ Temperature Meter

☐ Other _____

Water Disposal

Drummed & TR Assorted To KUTZ Separators
in Bloomfield

Water Removal Data 55-1848-

[illegible]

				Circle the date and time that the development criteria are met.
--	--	--	--	---

Comments: Bailed day after 20 (yellow) waiting for well to recharge at Bailed day after 20 (yellow) via 1.5 ft (yellow)

Developer's Signature(s) James S. Long Date 09/22/55 Reviewer _____ Date _____



Water Sampling Data

Location No. MW-1Serial No. WSD-Group List Number Sample Type: ☒ Groundwater ☐ Surface Water ☐ Other Date 05-12-2015Project Name EPNG PITS Project No. 14505Project Manager Cory Chance Phase/Task No. 0003.77Site Name HAMMOND FGD #5 (75336)

Sampling Specifications

Requested Sampling

Depth Interval (feet) Top 3'

Requested Wait Following

Development/Purging (hours) N/A

Initial Measurements

Time Elapsed From Final Development/Purging (hours) 15Initial Water Depth (feet) 45.03Nonaqueous Liquids Present (Describe) N/A

Water Quality/Water Collection

DO = Dissolved Oxygen; Cond. = Conductivity

Date	Time	Sampler Initials	Water Quality Readings				Water Collection Data					Notes (Explain in Comments Below)
			Temp. (°C)	pH	DO (mg/L)	Cond. (µmhos/ cm)	Volume Removed (gallons)	Removal Rate (gal/min)	Pump Intake Depth (feet)	Bail	Final Water Depth (feet)	
5/6/15	well	Development + Purging					DATA Sheet					

Sample Containers

Container Type: G = Clear Glass; A = Amber Glass; P = Plastic; V = VOA Vial (Glass); O = Other (Specify)

Preservatives: H = HCl; N = HNO₃; S = H₂SO₄; A = NaOH; O = Other (Specify); - = None

Analytical Parameter List	Container			Field Filtered		Preserved	Cooled During Collection		Comments
	Number	Type	Volume (mL)	Yes	No		Yes	No	
BTEX	2	A	40		X	H	X		JAL 18 T 1735
TDS	1	P	250		X	N/A	X		

Filter Type Chain-of-Custody Form Number Comments Signature James A. Long Date 05.12.2015 Reviewer Date



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	947449
FIELD ID:	JAL19
MTR CODE:	75336
SAMPLE DATE:	9/12/95
SAMPLE TYPE:	Monitor Well
SITE NAME:	Hammond Fed #5
PROJECT:	Phase II MW
DATE OF BTEX ANALYSIS:	14-Sep-95

FIELD COMMENTS:

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	2092		None
BENZENE (PPB)	2.9		10
TOLUENE (PPB)	54.9		740
ETHYL BENZENE (PPB)	19.4		750
TOTAL XYLENES (PPB)	239		620
SURROGATE % RECOVERY	99	Allowed Range 80 to 120 %	

NOTES:

Approved By:

John Lardner

9-15-95

CHAIN OF CUSTODY RECORD

EPFS

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960190
SITE NAME:	Blanco Pipeline
SAMPLE SITE:	Hammond Federal #5 MW-1
SAMPLE DATE:	02/22/96
SAMPLE TIME (Hrs):	1054
SAMPLED BY:	D. Bird
DATE OF BTEX ANALYSIS:	02/23/96
SAMPLE TYPE:	Water

HHG. Gdr: 75336

JL.
3/14/96

REMARKS:

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT PPB	QUALIFIER	WQCC LIMIT PPB
BENZENE	2.0		10
TOLUENE	<1.0		740
ETHYL BENZENE	46.6		750
TOTAL XYLENES	80.3		620
SURROGATE % RECOVERY	98.9	Allowed Range 80 to 120 %	

NOTES:

Approved By:

John L. Bird

Date: 2-26-96

MEMORANDUM

To: John Lambdin

Date: March 4, 1996

From: Dennis Bird

Place: Laboratory Services

Subject: Blanco Pipeline Pit Monitor Wells

On Thursday, February 22, 1996, Richard Benson and myself went to Blanco Pipeline and sampled the following pit monitor wells. The following analytical parameters are to be performed on these groundwater samples: BTXE, General Chemistry, Nitrate as NO₃-N, Metals As, Ba, Cd, Cr, Hg, Se, Ag, Pb, and Dissolved Oxygen. The samples were assigned the laboratory numbers 960190 and 960191. The samples for metals were filtered with a 0.45 micron filter in the field at the time of sampling. The dissolved oxygen results were taken at the time of sampling with a ChemMets Kit. The Field Service Laboratory will be performing all of the analysis.

The following information was collected on each well.

Monitor Well#	Pipe ID	Static Level	Total Depth	Gallons Bailed	Dissolved Oxygen
Hammond Fed. #5	4"	45.07'	53.55'	12.8	1.5 ppm
Federal R #2	4"	33.15'	42.80'	20.0	1.0 ppm

All bailing and sampling was done with disposable, one time use equipment and bottles. All samples were preserved on ice immediately after collection. The static level and total depth was measured from the top of the pipe.

Should you have any question or comments, please let me know.

DB
Dennis P. Bird
Chief Technician

cc: Nancy Prince
Ann Allen
Sandra Miller

EL PASO FIELD SERVICES

Field Services Laboratory Water Analysis Report

LOCATION: Blanco Pipeline PROJECT: M.W.
DATE OF REPORT: 2/28/96 SAVE FILE: 960190
SAMPLED BY: Dennis Bird & Richard Benson

All Results By Standard Methods (AWWA) Or EPA Method 300

[illegible]

****All Results Expressed as ppm or umhos****

REMARKS:

Fluoride results were with the HACH DR/2000 using the spadns fluoride reagents.

* It is not unusual for shallow groundwater in New Mexico to naturally exceed these limits.

Approvals:

• Lab Super.:

Date:

3/14/94



EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960190
LOCATION:	Blanco Pipeline
SAMPLE DATE:	02/22/96
SAMPLE TIME (Hrs):	1054
SAMPLED BY:	D. Bird
SAMPLE POINT:	Hammond Fed #5

REMARKS:

RESULTS

PARAMETER	DISSOLVED RESULT (mg/L)	TOTAL RESULT (mg/L)	N. M. WQCC LIMIT (mg/L)
ARSENIC	0.010	0.017	0.10
BARIUM	0.07	0.26	1.00
CADMIUM	<0.0005	<0.0005	0.01
CHROMIUM	0.008	0.019	0.05
LEAD	0.005	0.020	0.05
MERCURY	0.0001	0.0002	0.002
SELENIUM	<0.005	<0.005	0.05
SILVER	0.0006	0.0012	0.05

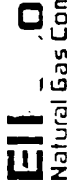
NOTE: The sample results have been corrected for volume adjustment associated with Method 3015.

References:

- Method 3015, Microwave Assisted Acid Digestion of Aqueous Samples and Extracts, Test Methods for Evaluating Solid Waste, SW-846, Sept., 1994.
- Method 7061A, Arsenic (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.
- Method 7081, Barium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.
- Method 7131, Cadmium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1986.
- Method 7191, Chromium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1986.
- Method 7421, Lead (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1986.
- Method 245.5, Mercury (Automated Cold Vapor Technique), Methods for the Determination of Metals in Environmental Samples, EPA600/4-91/010, USEPA, June, 1991.
- Method 7741A, Selenium (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1994.
- Method 7761, Silver (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Reported By: *mbh*

Approved By: *Val Tordella*



CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD

5400 Juan aptro Form 71-65