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November 4, 1992

QUARTERLY MONITORING WELL SAMPLING
FOURTH QUARTER, OCTOBER 15, 1992

Performed at:

21065 Foothill Blvd.
Hayward, CA

Prepared for:

Mr. Roy Breitenbach
2358 Loma Vista Drive
Prescott, AZ 86301

Prepared by:

Aqua Science Engineers, Inc.
2411 Old Crow Canyon Road, #4
San Ramon, CA 94583





November 4, 1992

Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

ATTENTION: Mr. Scott Seery

SUBJECT: Quarterly Groundwater Monitoring Report
Fourth Quarter
21065 Foothill Boulevard
Hayward, California

INTRODUCTION

The following report and accompanying data represents Aqua Science Engineer's (ASE) findings of groundwater sampling and analysis for the monitoring well located at 21065 Foothill Boulevard, Hayward, CA (see Figure 1 Location Map). The enclosed Site Plan, Figure 2, shows the location of monitoring well MW-1 in relation to site buildings and right-of-ways. This quarter's sample routine, conducted on October 15, 1992, represents the fourth quarter sampling round of a one year program initiated in February of 1992 with the placement and initial sampling of the well.

WELL SAMPLING

On October 15, 1992 ASE personnel, Steve DeHope, arrived on site to perform sampling activities on groundwater monitoring well MW-1. See the Well Sampling Field Log at the end of this report for field measurements and sampling criteria. After measuring for depth to water, a clear, disposable, teflon bailer was slowly lowered into the well and retrieved when approximately half full. No free-product or sheen was observed, no odors were detected. The well was purged the necessary well volumes, and allowed to regenerate to 90% of original volume. Two (2) 40 mil VOA bottles were filled with the sample groundwater, capped and labeled. The water samples were transported in a cold ice-chest to Priority

Breitenback Quarterly Sampling - October 1992

Labs in Milpitas, CA under proper chain-of-custody procedures. The samples were analyzed for Total Petroleum Hydrocarbons as Gasoline, and the fractions BTEX (EPA methods 5030/8015, and 8020). The samples were also tested for pH and Conductivity. The following table, Table One, details results of analytical testing of MW-1 groundwater for this fourth quarter and the previous three quarters.

TABLE ONE
GROUNDWATER ANALYSIS RESULTS

Sample Date	TPH Gas (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl Benzene (ppm)	Total Xylenes (ppm)	pH	Cond. (uS)
2/3/92	N.D.	N.D.	N.D.	N.D.	N.D.	---	---
4/29/92	N.D.	N.D.	N.D.	N.D.	N.D.	---	---
7/10/92	N.D.	N.D.	N.D.	N.D.	N.D.	---	---
10/15/92	N.D.	N.D.	N.D.	N.D.	N.D.	7.3	1100

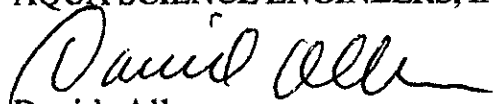
ppm Parts per million
 N.D. Not Detected
 --- Not Analyzed

CONCLUSIONS AND RECOMMENDATIONS

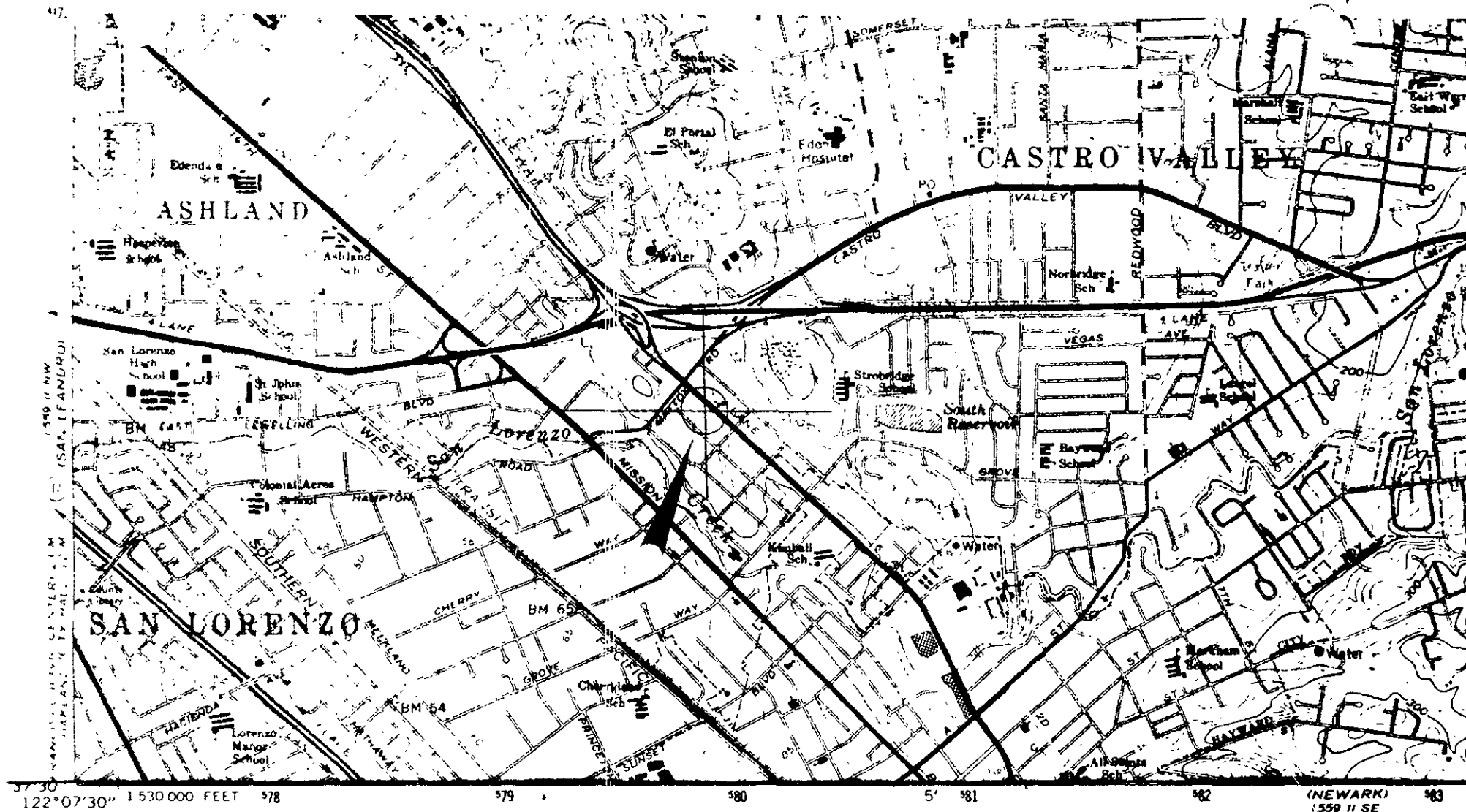
As per current Alameda County Water District guidelines, the well has been monitored quarterly for one year. Since the results of analytical testing detect N.D. levels for the constituents of interest for four consecutive quarters, it is recommended that an application be filed for groundwater sampling to be discontinued, and the monitoring well be properly abandoned.

If you have any questions regarding the enclosed information, please feel free to contact us at (510) 820-9391

Respectfully submitted,
 AQUA SCIENCE ENGINEERS, INC.


 David Allen
 Project Manager

- cc. Mr. Roy Breitenbach, Property Owner
- Mr. Hugh Murphy, Hayward Fire Department
- Mr. Eddie So, RWQCB, San Francisco Bay Region



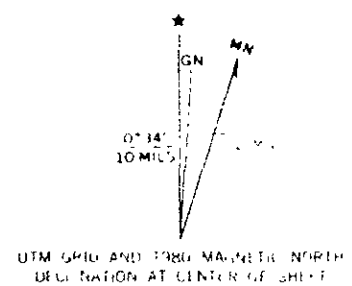
Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, USCE, and Alameda County

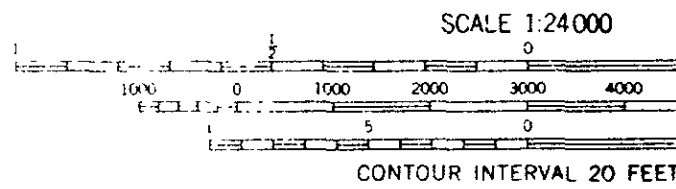
Topography from aerial photographs by photogrammetric methods and by planetable surveys 1947 Revised from aerial photographs taken 1958 Field check 1959

Polyconic projection
 10,000 foot grid based on California coordinate system, zone 3
 1000 meter Universal Transverse Mercator grid ticks, zone 10, shown in blue
 1927 North American Datum
 Topographic map projected North American Datum 1983
 1927 datum is 14 meters north and 98 meters east, shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown
 There may be private inholdings within the boundaries



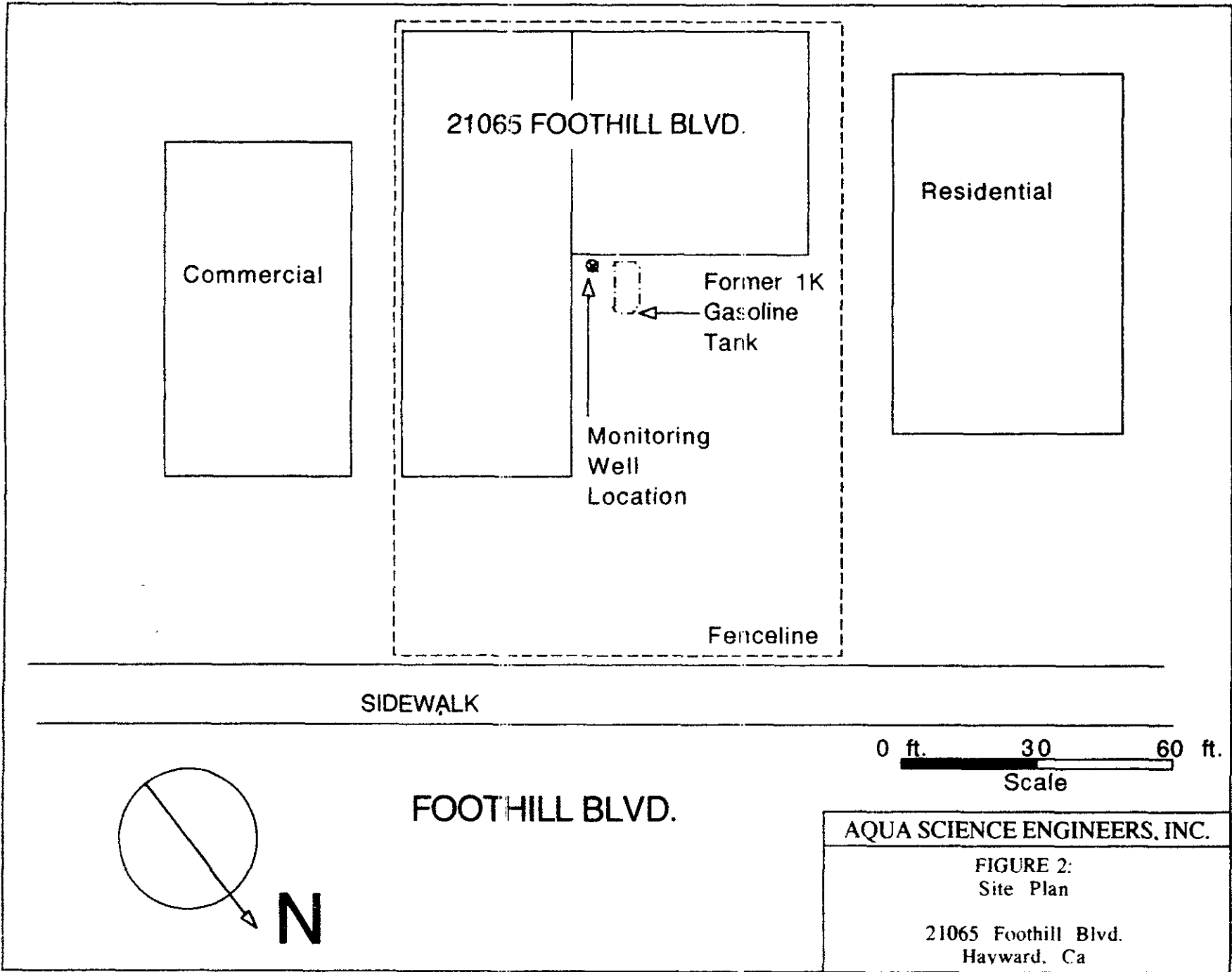
Peatlands shown in purple and woodland areas shown in green on the aerial photographs taken 1979 and 1980



AQUA SCIENCE ENGINEERS, INC.

FIGURE 1:
 Site Location Map

21065 Foothill Blvd.
 Hayward, Ca



Commercial

21065 FOOTHILL BLVD.

Residential

Former 1K
Gasoline
Tank

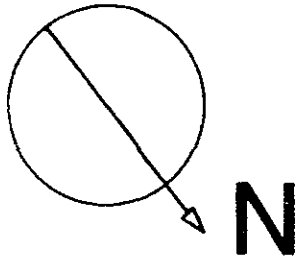
Monitoring
Well
Location

Fenceline

SIDEWALK

FOOTHILL BLVD.

0 ft. 30 60 ft.
Scale



AQUA SCIENCE ENGINEERS, INC.

FIGURE 2:
Site Plan

21065 Foothill Blvd.
Hayward, Ca



PRIORITY ENVIRONMENTAL LABS

October 18, 1992

PEL # 109206

AQUA SCIENCE ENGINEERING, INC.

Attn: Steve DeHope

Re: One water sample for pH, Conductivity, and Gasoline/BTEX analyses.

Project name: Breitenbach

Project location: 21065 Foothill Blvd., -Hayward

Date sampled: Oct 15 1992

Date submitted: Oct 16, 1992

Date extracted: Oct 16-17, 1992

Date analyzed: Oct 16-17, 1992

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Conductivity (uS)	pH
MW-1	N.D.	N.D.	N.D.	N.D.	N.D.	1100	7.3
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	0.0	7.0
Spiked Recovery	93.2%	100.1%	98.8%	103.2%	99.6%	---	---
Detection limit	50	0.5	0.5	0.5	0.5	10	0.05
Method of Analysis	5030 / 8015	602	602	602	602	120.1	9045

David Duong
Laboratory Director

RECEIVED

OCT 20 1992

AQUA SCIENCE ENG

Aqua Science Engineers, Inc.
 2411 Old Crow Canyon Road, #4,
 San Ramon, CA 94583
 (510) 820-9391 - FAX (510) 837-4853

Chain of Custody

PEL # 109206

INV # 201143

DATE 10/16/92 PAGE 1 OF 1

SAMPLERS (SIGNATURE) [Signature] (PHONE NO.) (510) 820-9391 PROJECT NAME Greentech NO. _____
 ADDRESS 21665 Foothill Blvd Hayward

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

... [unclear] ...

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH- GASOLINE (EPA 5030/8015)	TPH- GASOLINE/BTEX (EPA 5030/8015-8020)	TPH- DIESTER, (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NEUTRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 EAF or B&F)	LOFT METALS (5) (EPA 6010+7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC- CAM WET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	P.H.	Conductivity
<u>MW-1</u>	<u>10/16</u>		<u>W</u>	<u>2</u>		<input checked="" type="checkbox"/>												<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

RELINQUISHED BY: <u>[Signature]</u> (signature) (time)	RECEIVED BY: (signature) (time)	RELINQUISHED BY: (signature) (time)	RECEIVED BY LABORATORY: <u>[Signature]</u> 12:15 PM (signature) (time)	COMMENTS:
<u>[Printed Name]</u> (printed name) (date)	 (printed name) (date)	 (printed name) (date)	<u>DAVID DUONG</u> 10/16/92 (printed name) (date)	
Company- <u>[Signature]</u>	Company-	Company-	Company- PEL	



WELL SAMPLING FIELD LOG

Aqua Science Engineers, Inc. San Ramon, CA 94583

Project Name: Breitenbach
Project Address: 21065 Foothill Blvd., Hayward, CA
Job # 2544 Date of sampling: 10/15/92
Completed by: Steve DeHope
Well Number / Designation: MW-1
Top of casing elevation: -4" from grade
Total depth of well casing: 43.76 Well diameter: 2"
Depth to water (before sampling): 34.7
Thickness of floating product if any: None
Depth of well casing in water: 9.06
Req'd volume of groundwater to be purged before sampling: 7.5 Gallons
Approximate volume of groundwater purged: 7.5
Type of seal at grade: Portland cement
Type of cap on the casing: Locking cap
Is the seal water tight? Yes Is the cap water tight? Yes
Number of samples (containers) collected (2) 40 ml VOA
Did 40 ml VOA vials have headspace: No
Were sample containers chilled after sampling & for delivery ? Yes
Are Chain of Custody documents accompanying the samples: Yes
Sample temperature: 68 deg. F
Sample pH: _____ Test method: _____

Physical description of water during initial bailing period:

Slightly cloudy and clearing

Physical description of water sample: Clear

Type of analysis requested: TPH, Gas, BTEX

pH

Conductivity

Type of bailer/sampling equipment used: 1.67' x 3' PVC Bailer

Equipment decontamination procedures: TSP wash and tap water rinse

Disposition of bailed water volume:

Temporarily stored on site.