

MAR -7 1994
DEPT. OF ECOLOGY

GROUNDWATER MONITORING REPORT SR 522 and NE 180th Street RIVERSIDE PROPERTY BOTHELL, WASHINGTON

February 9, 1994

Prepared for:

Mr. Tony Palagyi Texaco Environmental Services, Inc. 3400 188th Street S.W.,Suite 630 Kirkland, Washington 98083 Prepared by:

Groundwater Technology, Inc. 19033 West Valley Highway, Suite D-104 Kent, Washington 98032

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Senior Project Manager/ Hydrogeologist





March 4, 1994

Texaco Refining and Marketing Inc

3400 188th Street SW Suite 630 A Lynnwood WA 98037

MAR -7 1994

DEPT. OF ECOLOGY

ENV - SERVICE STATIONS
Former Texaco Service Station
SR 522 and NE 180th Street, Bothell, WA

Mr. Roger Nye Washington State Department of Ecology Northwest Regional Office 3190 160th Avenue SE Bellevue, Washington 98008-5452

Dear Mr. Nye,

Please find enclosed one copy of the report documenting groundwater monitoring and sampling results at the referenced site in October 1993. The report was prepared by Texaco's environmental consultant, Groundwater Technology, Inc. (GTI). A total of six monitoring wells have been installed at the site. Three wells designated "A" are installed in a shallow perched water zone and did not contain sufficient water to sample in October 1993. One of the wells (MW-2A) has never contained sufficient water to sample. The other two shallow wells (MW-1A and MW-3A) were last sampled in February 1993 and did not contain petroleum hydrocarbon compounds at concentrations above MTCA Method A Compliance Cleanup levels. Both wells contained slightly elevated levels of lead in February 1993. However, these water samples were reported to be silty, and were not filtered prior to laboratory analysis, and in our opinion, are not representative of groundwater conditions at the site.

The three other wells on site are installed in a deeper confined aquifer. Results of analyses of samples collected from these wells indicated that no constituents of concern were detected above analytical method reporting limits. Based on these groundwater sampling results and on results of remediation activities conducted at the site in 1993 and documented in previous GTI reports forwarded to your office, Texaco Environmental Services requests that Ecology issue a letter stating that No Further Action (NFA) is required at the site.

If you have any questions or need additional information, please do not hesitate to contact me at (206) 774-6090, extention 227.

Sincerely,

Anthony J. Palagyi REA

Project Manager

Texaco Environmental Services

Enclosure

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LAChun-DVWatson-File-UCPFile (w/enclosures) PNWRead (w/o enclosures)

PR: HWS

EXECUTIVE SUMMARY

Groundwater Technology, Inc. conducted groundwater monitoring and sampling at the property located near the intersection of State Route 522 and NE 180th Street in Bothell, Washington, known as the Riverside Property. The work was performed to assess the current groundwater conditions underlying the site with respect to substances regulated under the Washington Department of Ecology (WDOE) Model Toxics Control Act (MTCA). Groundwater Technology personnel gauged the depth to water in six groundwater monitoring wells and collected water samples from three (MW-1, MW-2 and MW-3). The water samples were analyzed for benzene, toluene, ethylbenzene, xylenes, total petroleum hydrocarbons-as-gasoline (TPH-G), TPH, purgeable halocarbons and dissolved lead.

- The apparent groundwater flow direction was toward the southeast at a gradient of approximately 0.05.
- Analytes tested were not detected above the MTCA Method A Compliance Cleanup Levels.



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GROUNDWATER MONITORING REPORT SR 522 and NE 180TH STREET RIVERSIDE PROPERTY BOTHELL, WASHINGTON

February 9, 1994

1.0 INTRODUCTION

Presented in this report are the worksteps and results associated with groundwater monitoring and sampling conducted for Texaco Refining and Marketing Inc. at the Riverside Property located at State Route 522 and NE 180th Street, Bothell, Washington (See Figure 1, Site Location Map). The work was performed to assess the current groundwater conditions with respect to substances regulated under the Washington Department of Ecology (WDOE) Model Toxics Control Act¹ (MTCA). The site is owned by the City of Bothell.

2.0 SCOPE OF WORK

The following outline summarizes the specific worksteps involved:

- Gauged the depth to water in each of the six site groundwater monitoring wells;
- Purged and sampled three (MW-1, MW-2 and MW-3) of the six groundwater monitoring wells;
- Analyzed one water sample from monitoring wells MW-1, MW-2, and MW-3 for benzene, toluene, ethylbenzene, xylenes (BTEX), total petroleum hydrocarbons-as-gasoline (TPH-G), TPH, purgeable halocarbons and dissolved lead;
- Analyzed, summarized and presented the information obtained in report form.



Washington Department of Ecology (WAC 173-340)

3.0 WELL MONITORING AND SAMPLING

On October 12, 1993 water levels were measured in groundwater monitoring wells MW-1, MW-1A, MW-2, MW-2A, MW-3, and MW-3A to evaluate groundwater flow direction and gradient. Table 1 shows the measured well-head and relative groundwater elevations in the monitoring wells. The gradient was approximately 0.05 to the southeast. Relative groundwater elevations are shown and contoured in Figure 3.

Table 1 Groundwater Monitoring Data											
Well Number	MW-1	MW-1A	MW-2	MW-2A	MW-3	MW-3A					
Well-Head Elevation (Feet)	101.82	101.74	101.57	101.47	100.22	100.34					
Date: July 15, 1992											
DTW	8.57	7.63*	9.16	7.70*	10.02	5.63					
Elevation (Feet)	93.25	94.11	94.41	93.77	90.22	94.71					
Date: August 24, 19	92										
DTW	9.08	7.89*	9.64	7.69*	10.29	NM					
Relative Elev. (Ft)	92.74	93.85	91.93	93.78	89.93						
Date: August 31, 19	92										
DTW	9.18	7.88*	9.75	7.70*	10.32	6.59					
Relative Elev. (Ft)	92.64	93.86	91.85	93.77	89.90	93.75					
Date: February 25,	1993										
DTW	7.87	6.99	9.45	7.74*	9.56	4.45					
Relative Elev. (Ft)	93.95	94.75	92.12	93.73	90.66	95.89					
Date: October 12, 1	993										
DTW	7.29	7.91*	9.72	7.19*	10.12	6.88*					
Relative Elev. (Ft.)	94.53	93.83	91.85	94.28	90.10	93.46					

DTW = Depth to Water

NM = Not Measured (inaccessible)

Note: Elevations are relative based on an arbitrary common datum of 100 feet.

^{*} Not a representative groundwater elevation and insufficient water column to sample.



Following groundwater monitoring on October 12, 1993, wells MW-1, MW-2 and MW-3, which are completed in a confined aquifer below an aquitard, were purged of approximately three well volumes and water samples were collected in accordance with the Standard Operating Procedures in Appendix A. Samples collected were designated MW-1, MW-2, and MW-3 and sent to GTEL with the sample Chain-of-Custody. Wells MW-1A, MW-2A, and MW-3A, which are completed above the site aquitard, were not sampled, due to an insufficient amount of water in the wells. Purged water was treated through two 55-gallon carbon canisters connected in series prior to disposal to the ground.

4.0 LABORATORY ANALYSIS

Groundwater samples collected were analyzed at GTEL Environmental Laboratories in Concord, California. Water samples from MW-1, MW-2, and MW-3 were analyzed for BTEX and TPH-G by EPA Methods 8020 and modified 8015, TPH by WTPH 418.1, purgeable halocarbons by EPA Method 8010, and dissolved lead by EPA Method 7421. Due to turbidity levels observed during past sampling events, water samples collected for lead analysis were filtered in the field prior to acidification. This procedure is allowed under WAC 173-340-720 (8)(a)(i). Water analyses results from this and previous sampling events are summarized in Table 2. Complete laboratory results are contained in Appendix B.



	EPA	Methods 802	ical results B 0, modified 8 ults in micro	3015, 418.1,	7421 and 8)		
Well Number	Date	Benzene	Toluene	Ethyl- benzene	Xylenes	TPH-G	TPH	Lead	TCE
MW-1	July 15, 1992	< 0.3	< 0.3	< 0.3	< 0.5	<10	1,000	<5	< 5
	February 25, 1993	< 0.3	< 0.3	< 0.3	< 0.5	< 10	<1,000	<5	< 5
	October 12, 1993	< 0.3	< 0.3	< 0.3	< 0.5	< 10	< 1,000	<5	< 0.5
MW-1A	July 15, 1992	NS	NS	NS	NS	NS	NS	NS	NS
	February 25, 1993	< 0.3	< 0.3	< 0.3	< 0.5	< 10	< 1,000	56	< 5
	October 12, 1993	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	July 15, 1992	< 0.3	0.3	< 0.3	3	200	< 1,000	6	< 5
	February 25, 1993	< 0.3	< 0.3	< 0.3	< 0.5	< 10	< 1,000	<5	< 5
	October 12, 1993	1	< 0.3	< 0.3	< 0.5	< 10	< 1,000	<5	< 0.5
MW-2A	July 15, 1992	NS	NS	NS	NS	NS	NS	NS	NS
	February 25, 1993	NS	NS	NS	NS	NS	NS	NS	NS
	October 12, 1993	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	July 15, 1992	< 0.3	< 0.3	< 0.3	< 0.5	< 10	< 1,000	40	< 5
	February 25, 1993	< 0.3	< 0.3	< 0.3	< 0.5	< 10	< 1,000	<5	< 5
	October 12, 1993	< 0.3	<0.3	< 0.3	< 0.5	< 10	< 1,000	<5	< 0.5
MW-3A	July 15, 1992	< 0.3	<0.3	< 0.3	< 0.5	< 10	< 1,000	240	110
	February 25, 1993	< 0.3	<0.3	< 0.3	< 0.5	< 10	< 1,000	53	< 5
	October 12, 1993	NS	NS	NS	NS	NS	NS	NS.	NS
CCL		5	40	30	20	1,000	1,000	250	5

MDL = Method Detection Limit

CCL = WAC-340, Model Toxics Act, Method A Compliance Cleanup Levels - Groundwater

TCE = Trichloroethene

NS = Not sampled

The only detected analyte was benzene in sample MW-2. The reported concentration, 1 microgram/Liter (μ g/L), is below the MTCA Method A Compliance Cleanup Level (CCL) of 5 μ g/L.



5.0 CONCLUSIONS AND RECOMMENDATIONS

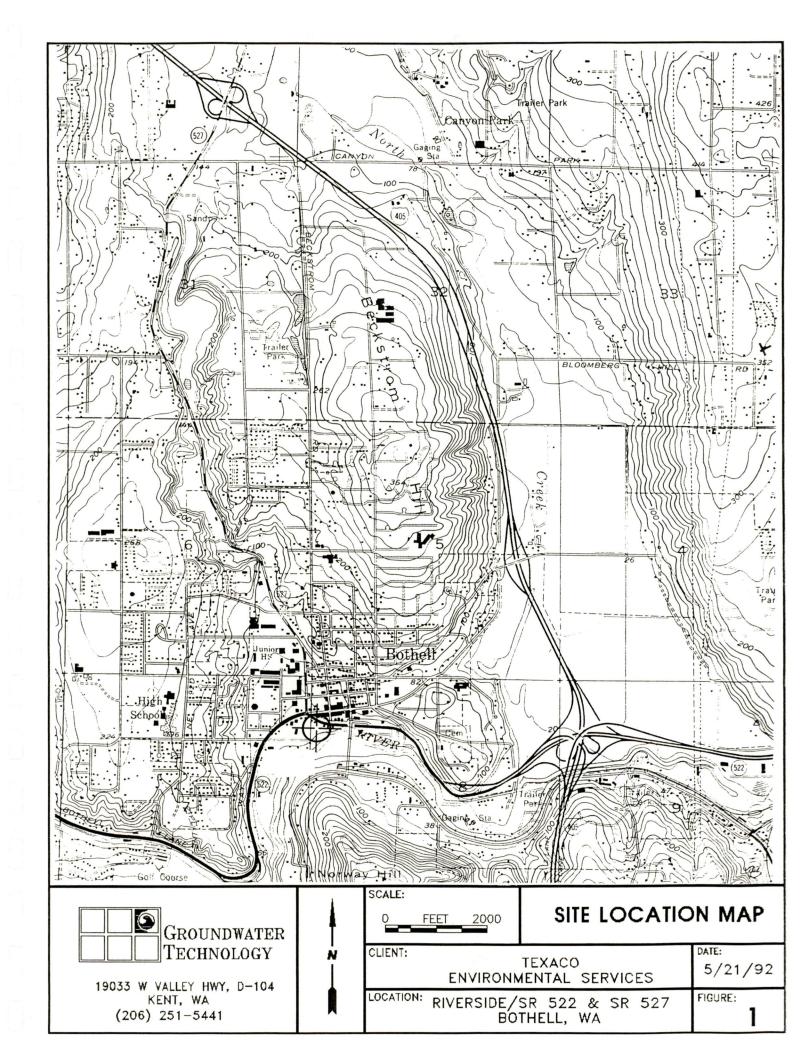
Groundwater monitoring and sampling was completed at the Riverside Property, Bothell, Washington in October, 1993. BTEX, TPH-G, TPH, dissolved lead, and purgeable halocarbon concentrations were either not-detected at the respective method detection limits or were below groundwater CCLs in samples collected from monitoring wells MW-1, MW-2, and MW-3. The apparent groundwater gradient is 0.05 to the southeast.

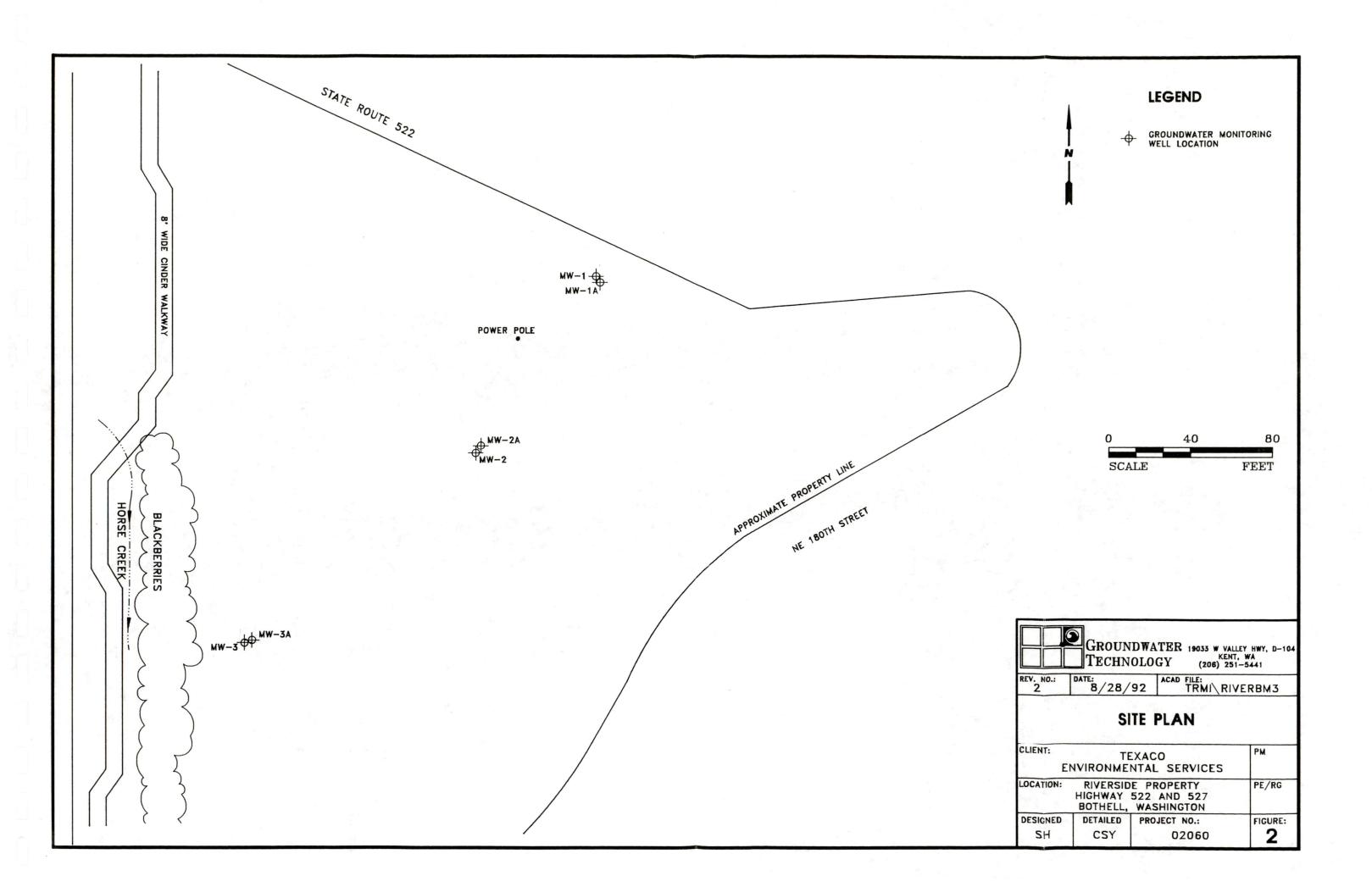
Two previous groundwater sampling events were conducted at the site in July, 1992 and February, 1993. Groundwater concentrations above CCLs were reported in July, 1992 in samples collected from monitoring wells MW-1 (TPH), MW-2 (lead), MW-3 (lead) and MW-3A (lead and trichloroethene (TCE)). The February, 1993 sampling event reported only lead concentrations above CCLs in monitoring wells MW-1A and MW-3A.

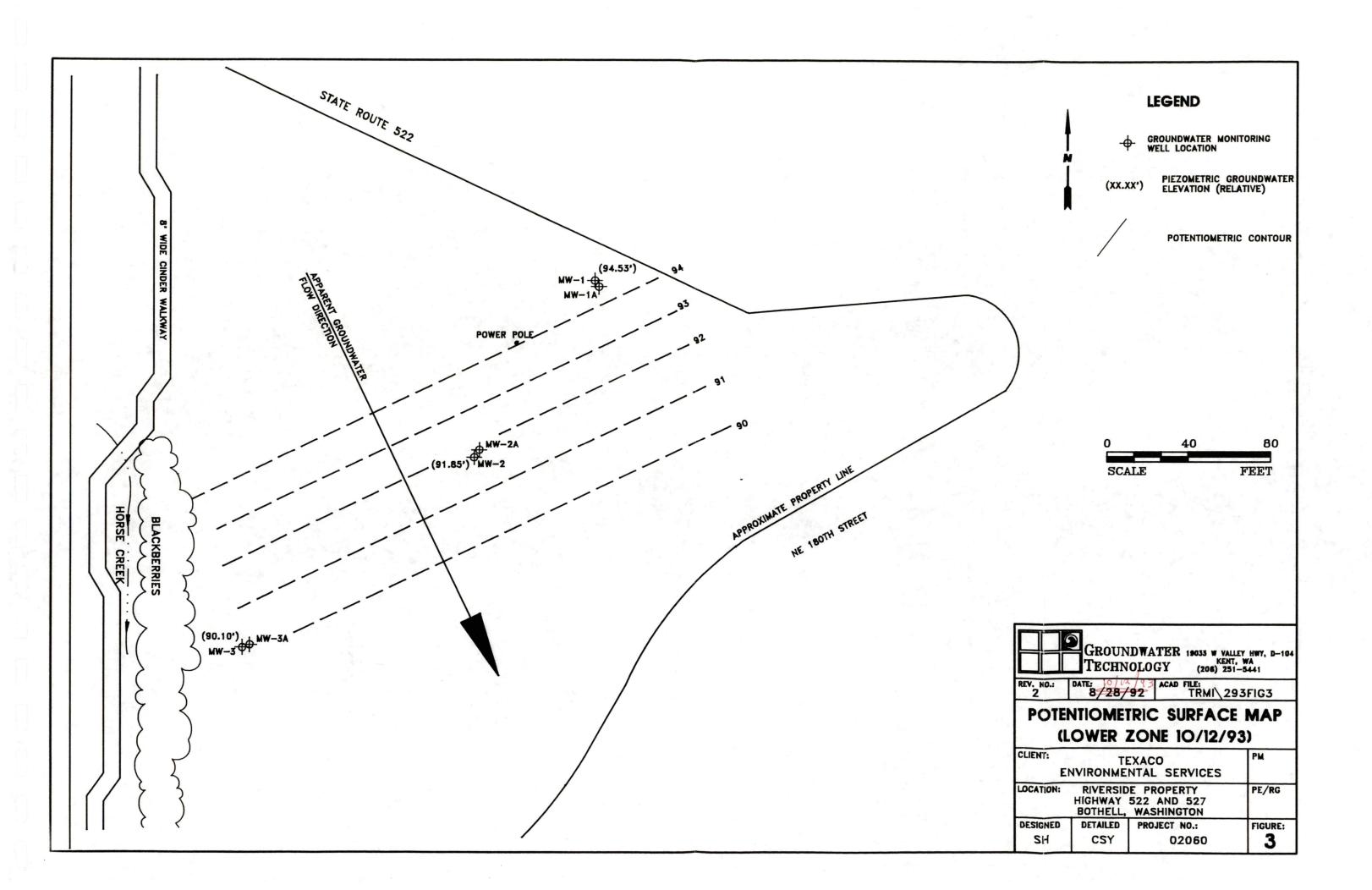
The last two consecutive sampling events have not detected BTEX, TPH-G, TPH, lead or TCE in concentrations above Method A CCLs in the lower aquifer. Therefore, Groundwater Technology recommends discontinuing groundwater monitoring operations at this site and petitioning the WDOE for "No Further Action" status.











APPENDIX A STANDARD OPERATING PROCEDURES



3.0 WATER QUALITY SAMPLING

- 3.1 Water samples should not be taken from the stagnant water in the well.
- 3.2 Water samples should be taken in triplicate.
- 3.3 Remove 3 to 5 volumes of water in the well prior to sampling. The water may be removed by bailing, submersible pump, or purge system. Wells with a slow recovery period should be bailed dry and then sampled within 1 hour or when recovered to 80%. Monitor pH, temperature and specific conductivity with each well volume to insure water quality stabilization has occurred. However, this is not necessary at every well or in all circumstances.
- 3.4 Use only Teflon, stainless steel, or glass bailers to obtain the sample. Use Teflon only for sampling water containing chlorinated compounds and also for bacteriological samples. PVC bailers can be used for one-time sampling for other than EPA 624 analysis. Using a bailer for a one-time sampling reduces the possibility for cross-contamination.
- 3.5 When sampling, avoid stirring up any sediments in the well and agitating the water to reduce volitization of any dissolved compounds that may be present.
- 3.6 All sampling equipment must be cleaned following the appropriate procedure to avoid cross contamination from site to site and sample to sample. The sampling equipment should be cleaned before each well sampling, between each sampling, and at the end of each sampling round.
- 3.7 Monitoring wells should be gauged prior to sampling.
- 3.8 If possible, the monitoring wells should be sampled starting with the cleanest well and ending with the most contaminated well.
- 3.9 Wells containing free-phase contaminants should not be sampled.
- 3.10 When filling out the chain of custody form:
 - enter the samples in the order in which they were collected;
 - make a note as to the cleaning fluid used to clean the sampling equipment;
 - attempt to identify which samples are the most contaminated;
 - complete all other requested information.
- 3.11 The laboratory sample identification label should be filled out with a waterproof pen and firmly affixed to each sample container. Typically, identification labels require that the following information be supplied:
 - job name
 - job number
 - sampler's name
 - sample identification
 - date sampled and time
 - analysis requested
- 3.12 Acidification is required for samples that will be analyzed by the EPA 624 method. (see Acidification Procedure in this section)



- 3.13 Acidification is recommended for EPA method 601 and 602 samples to preserve them and increase their holding life. (see Acidification Procedure in this section)
- 3.14 Field blanks should be taken as part of each sampling round. A field blank consists of a sample of distilled water which has been collected by putting the distilled water into a sampling bailer after the bailer has been cleaned following the procedure used to clean that bailer during the sampling round. The field blank is stored with the samples. It is not analyzed unless requested by the Project Manager. The field blank should not be identified as such to the laboratory.
- 3.15 Handling of decontaminated equipment:
 - Always use "pristine" gloves (latex, solvex, etc.).
 - Place decontaminated bailers on clean surface (plastic).
 - Do not wipe down bailer with paper towels or cloth. Follow decontamination procedure.
- 3.16 Sample accuracy can be adversely affected by the entrainment of sediment in wells which have not been properly developed. Contaminants adhering to the sediments can be released when samples are acidified for preservation. Therefore, if sediments are present, field filtering of the samples is recommended.
- 3.17 Chemical changes can take place because the sample was oxidized during sampling. It is critical to avoid oxidation of samples when sampling for volatile organic compounds (VOC). Therefore, take care to insure minimal agitation occurs during sampling.
- 3.18 All samples should be properly and promptly preserved.
- 3.19 All samples should be analyzed quickly; arrangements should be made with the testing laboratory to insure prompt analysis is performed within the allowable times for the specific analyses to be done.
- 3.20 Bailer strings that have contacted water or contaminants should be replaced between each well to avoid contamination from a bailer string which has absorbed contamination. A good practice is to replace the string between wells. <u>Caution</u>: some bailer strings are treated with a fungicide which may be detected in priority pollutant analysis.
- 3.21 Notify laboratory that samples are being shipped in advance of sampling to insure proper delivery and turnaround.
- 3.22 On the chain of custody, note what type of decontamination or preservation fluids, chemicals were used.



4.0 ACIDIFICATION PROCEDURE (EPA Methods 601,602, and 624)

- 4.1 At the start of each sampling round, the amount of acid required to lower a sampling container of water to be sampled to a pH of less than 2 should be determined.
- 4.2 After removing 3 to 5 well volumes from the first well to be sampled, put 5-10 drops of 50% HCL into a 40 ml sample vial (larger sampling container will require more acid) and fill the vial with water form the well; determine the pH of water in the vial with pH paper; if the pH is too high, repeat the procedure using 15-20 drops of acid in the vial; repeat until the pH of the water in the sample vial is a pH of less than 2 on the pH paper. Note the amount of acid required to lower the pH of the volume of water in the sampling vial. (pH paper should not be placed into sampling container. Pour sample onto pH paper to check for proper pH.)
- 4.3 Discard the practice acidified sample.
- 4.4 Once the amount of acid required to reach a pH of <2 is known, the acid can be routinely added to each sample container directly; the water to be analyzed is added to vial or container containing the appropriate amount of acid.
- 4.5 Note that the amount of acid required is site specific and should be noted on the Chain of Custody form.
- 4.6 The procedure should be repeated for each site at the start of each sampling round.
- 4.7 Equipment
 - Bailer or other means to remove 3 to 5 well volumes
 - Sampling bailer
 - Polyethylene squirt bottle of 50% hydrochloric (HCL) acid
 - Narrow range pH paper (1.0 2.5 pH range)
 - Paper towels
 - Waterproof pen
 - Laboratory sample identification labels
 - Cooler with ice
 - Chain of custody forms
 - Sample containers (usually 40 ml glass vials with teflon faced septums)
 - Alconox solution and/or methanol
 - Distilled water
 - Safety equipment (gloves, etc.)
 - Dissolved oxygen meter (sometimes used in limited biorec projects in conjunction with bacteriological testing)





APPENDIX B LABORATORY ANALYTICAL RESULTS





RECEIVED OCT 2 8 1993

Client Number: 020603778 Project ID: Bothell, WA Work Order Number: C3-10-0289

October 27, 1993

Northwest Region

4080 Pike Lane Suite C Concord, CA 94520 (510) 685-7852 (800) 544-3422 Inside CA FAX (510) 825-0720

Mark Nichols Groundwater Technology, Inc. 19033 W. Valley Hwy., D-104 Kent, WA 98032

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 10/13/93, under chain of custody record 27466.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Willen J. Bullen

Eileen F. Bullen

Laboratory Director

Table 1

ANALYTICAL RESULTS

Dissolved Lead in Water by Graphite Furnace AA2

EPA Methods 74211

GTEL Sample Number		01	02	03	101893 MET				
Client Identification		MW1	MW2	МЖЗ	METHOD BLANK				
Date Sampled		10/12/93	/12/93 10/12/93 10/12/93						
Date Analyzed		10/18/93	0/18/93 10/18/93 10/18/93 10/18						
Analyte	Detection Limit, ug/L		Concentra	ition, ug/L					
Lead, total	5	<5	<5	<5	<5				
Detection Limit Multiplier		1	1						

- 1. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, November 1986.
- 2. Unpreserved water sample passed through a 0.45 micron membrane and analyzed as a dissolved metal. Samples were field filtered.



Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Water by Infrared Spectrometry

WTPH 418.1¹(SM 5520 FC²)

Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-202, Revised March 1983, U.S. Environmental

Protection Agency.
Standard Methods for the Examination of Water and Wastewater, 17th ed., 1989, American Public Health Association. "Modification in TPH Methods as per the state of Washington Department of Ecology, Appendix L, April, 1992."

GTEL Sample Number	01	02	03	102193 TPO						
Client Identification		MW1	METHOD BLANK							
Date Sampled		10/12/93								
Date Prepared	×	10/20/93	10/20/93 10/20/93 10/20/93 10/3							
Date Analyzed		10/20/93	10/20/93 10/20/93 10/20/93 10/20							
Analyte	Detection Limit, mg/L		Concentra	tion, mg/L						
Total Petroleum Hydrocarbons	11	<1	<1	<1						
Detection Limit Multiplier	1	1	1	1						



Table 1 ANALYTICAL RESULTS

Volatile Organics in Water

EPA Methods 8020 and WTPH-Ga

GTEL Sample Number		01	02	03	S102293			
Client Identification		MW1	METHOD BLANK					
Date Sampled		10/12/93	10/12/93	10/12/93				
Date Analyzed		10/22/93	10/22/93	10/22/93	10/22/93			
Analyte	Detection Limit, ug/L		Concentra	ation, ug/L	,			
Benzene	0.3	< 0.3	1	< 0.3	<0.3			
Toluene	0.3	< 0.3	< 0.3	< 0.3	<0.3			
Ethylbenzene	0.3	< 0.3	<0.3	<0.3	<0.3			
Xylene, total	0.5	<0.5	<0.5	<0.5	<0.5			
BTEX, total			1					
Gasoline	10	<10	<10	<10	<10			
Detection Limit Multiplier		1	1 1 1					
BFB surrogate, % recovery		78.9	78.9 82.6 79.6					

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. "Method in TPH Methods as per the state of Washington Department of Ecology, Appendix L, April, 1992." Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.



Table 1 ANALYTICAL RESULTS Purgeable Halocarbons in Water EPA Method 8010^a

GTEL Sample Number		01	02	03	P102593						
Client Identification		MW1	MW2	MW3	METHOD BLANK						
Date Sampled		10/12/93	10/12/93	10/12/93	-						
Date Analyzed		10/26/93	10/26/93	10/26/93	10/25/93						
Analyte	Detection Limit, ug/L	Concentration, ug/L									
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5						
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5						
Vinyl chloride	1	<1	<1	<1	<1						
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5						
Methylene chloride	0.5	<0.5	<0.5	<0.5	<0.5						
1,1-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5						
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5						
1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5						
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5						
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5						
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5						
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5						
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5						
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5 <0.5							
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5 <0.5						
Trichloroethene	0.5	< 0.5	<0.5	<0.5	<0.5						
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5						
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5						
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5						
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5						
2-Chloroethylvinyl ether	1	<1	<1	<1	<1						
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5						
Tetrachloroethene	0.5	<0.5	< 0.5	<0.5	<0.5						
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5						
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5						
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5						
1,3-Dichlorobenzene	0.5	<0.5	<0.5	< 0.5	<0.5						
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5						
Trichlorofluoromethane	0.5	<0.5	< 0.5	< 0.5	<0.5						
Detection Limit Multiplier		1	1	1	1						
BFB surrogate, % recovery		83.2	98.4	92.2	83.2						

a. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. 0, U.S. EPA, November, 1986. BFB surrogate recovery acceptability limits are 65-135%.



GTEL	4080 PIKE LANE, SUITE C CONCORD, CA 94520 (510) 685-7852								CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 27466												76												
ENVIRONMENTAL LABORATORIES, INC.	(510)) 42	3-71	143																	表			2000年 2月最		AMI P	10 to	4年			(0)		
ompany Name:	Ly Yeah. Phone #: 251-51/4/ FAX #: 251-8452 Site location: Bothe 11, WA.							2007.54	WALL ST						2784	(A) (2)	AN SHEAT	SA SARRES	71075	and the same				A.C.					8				
Drogune WHT mpany Address: 1903	Ly Yeah.	FAX #: 751-8452						-	MTBE	Screen											Herb [A	S										
Kent. Wt.	98032									\geq			T SNC								l sol	est 🗆	BCR,				ty 🗆						
oject Marlager:	Client Project ID: (#) 020603778 de020						with MTBE	PID/FID With	Diesel □	1	N N			3			NBS (+1	625/PPL 8270/TAL NBS (+25)		VOA 🗆 P	O TAL		1 7421		Reactivity								
ittest that the proper field s	sampling : g the collection	San	npler	Nam	ne (Pri	nt):		(4			-	with	s PID/	as 🗆	(SIMDIS)	413.2		0.2	J		3 only	AL C	AL	Pides	Semi-	llutant	STLC	7420 □		int	*		
trester samples.	×	10	T	V		y	Me	etho	4	T	- 4	20 🗆	arbon	/FID G	ile (SII	3. N. 50.	3CP by	EPA 502.2	3010	3020 □		240/1	1/0/28	Pesti	OA	rity Po		7 0 7.		Flash Point	7		
Field	GTEL	iners	_	Mat			Pres	serv		San	npling	8	Hydroc	ns GC	n Prof	ase 4	000	D EP/	EPA (EPA 8	8080		3310	tals	S 🖸 V	- Prio	тГС	□ 200	□ p		100		
Sample ID	Lab # (Lab use only)	# Containers	WATER	AIR	SLUDGE	JTHER 1CI	HNO ₃	ICE	UNPRESERVED	DATE	TIME	BTEX/602	BTEX/Gas Hydrocarbons	Hydrocarbons GC/FID Gas □	Hydrocarbon Profile (SIMDIS) □	TPH/IR 418.1 SM 503	EDB by 504 □ DBCP by 504	EPA 503.1 □	EPA 601 🗆 EPA 8010 💢	EPA 602 □ EPA 8020 □	EPA 608 □ 8080 □ PCB only	EPA 624/PPL 8240/TAL NBS (+15)	EPA 625/PPL U 82	EP TOX Metals	TCLP Metals VOA Semi-VOA Pest	EPA Metals - Priority Pollutant TAL RCRA	CAM Metals	Lead 239.2 □ 200.7 □ 7420 □ 7421 □ 6010	Organic Lead	Corrosivity	Disolv		
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