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STID 1879

November 10, 2000
Project H9042.Q

Mr. Jeffrey S. Lawson
Silicon Valley Law Group
152 North Third Street, Suite 900
San Jose, California 95112

Subject: **Groundwater Monitoring Report - Third Quarter 2000**
Harbert Transportation
19984 Meekland Avenue, Hayward, California

Dear Mr. Lawson:

This report describes groundwater monitoring activities conducted by Weber, Hayes and Associates at the former Harbert Transportation facility, 19984 Meekland Avenue, Hayward, California, during the third quarter 2000. This report has been prepared pursuant to a request from the Alameda County Health Care Services Agency/Environmental Health Services regarding a release of petroleum hydrocarbons from an underground storage tank at the site.

EXECUTIVE SUMMARY

The groundwater monitoring event for the third quarter 2000 took place on September 27, 2000.

The calculated groundwater flow direction on September 27, 2000 was to the southeast, which appears to be consistent with historical data.

Groundwater analytical results from third quarter 2000 indicate that dissolved petroleum hydrocarbons (PHCs) are present at concentrations that exceed water quality goals in on-site monitoring wells downgradient of the removed underground storage tanks (USTs) at the site.

Neither MTBE nor any other fuel oxygenate were detected in the groundwater samples collected this quarter, though the detection limit for MTBE was elevated in the most severely impacted well due to sample dilution. We believe that this result, coupled with the fact that the USTs were removed from the site in 1989, before the widespread use of fuel oxygenates, indicates that it is unlikely that MTBE or any fuel oxygenate is present in groundwater at the site.

A review of historical data indicates a decrease of at least an order of magnitude in dissolved PHC concentrations at the site since September 1996.

We recommend:

- Continuing quarterly groundwater monitoring of dissolved PHC concentrations at the site.

- Collecting soil samples from the site to determine the extent of PHCs remaining in the unsaturated zone. We submitted a Work Plan for soil sampling dated September 7, 2000. The Work Plan was approved by Environmental Health on November 1, 2000.

- Evaluating soil and groundwater sample analytical data to determine if active cleanup of PHCs in either soil or groundwater at the site is necessary. This should include developing site-specific cleanup goals for all of the PHCs detected in soil and groundwater at the site. Cleanup goals for some PHCs detected at the site have already been developed and approved by Environmental Health and the Regional Water Quality Control Board.

INTRODUCTION

This report documents quarterly monitoring of dissolved petroleum hydrocarbon (PHC) concentrations in groundwater, groundwater elevations and flow direction at the former Harbert Transportation facility, 19984 Meekland Avenue, Hayward, California (the site), during the third quarter 2000. This report has been prepared pursuant to a request from the Alameda County Health Care Services Agency/Environmental Health Services (Environmental Health, August 8, 2000) regarding a release of PHCs from underground storage tanks (USTs) at the site.

Groundwater monitoring activities conducted during this quarter included:

1. Measuring groundwater levels and checking for the presence of free product in all monitoring wells.
2. Measuring the physical parameters of pH, temperature, electrical conductivity, and dissolved oxygen concentration in each well.
3. Collecting groundwater samples from each of the monitoring wells.
4. Submitting the groundwater samples to a state-certified analytical laboratory for analysis of dissolved PHC concentrations following proper chain-of-custody procedures.
5. Determining groundwater elevations, flow direction, and gradient in the vicinity of the site.
6. Mapping the extent of the dissolved PHC plume in groundwater beneath the site.
7. Preparing this summary report.

Site Description And Background

The site is located at the corner of Meekland Avenue and Blossom Way in Alameda County California, at an elevation of approximately 80 feet above sea level (Figure 1). The site is relatively flat and is currently vacant.

The site was operated as a motor vehicle fueling station since the 1940's. Harbert Transportation used the site as a vehicle and fueling yard before selling the site to Durham Transportation in 1986.

In August 1989, four underground storage tanks (USTs) were removed from the site and properly disposed of. Soil and groundwater investigations at the site, conducted by Applied Geosystems, CTTS, and AGI Technologies, indicated that PHCs were present in soil and groundwater at the site. A list of reports documenting the soil and groundwater investigations is included in the Reference section. Ten groundwater monitoring wells currently exist at the site (Figure 2). Groundwater samples were not collected from these wells between September 1996 and September 2000. Documentation indicates that excavated soil from the UST removals was returned to the (plastic-lined) excavations (CTTS, November 1, 1992).

Documentation also indicates that two USTs were removed from the site in the early 1950's, and that a sump located in the northern portion of the site contained PHCs (CTTS, November 27, 1990) (see Figure 2).

We prepared a Work Plan (Weber, Hayes and Associates, September 7, 2000) for soil sampling to assess the current extent of PHCs in unsaturated soil at the site. The Work Plan was approved by Environmental Health on November 1, 2000.

GROUNDWATER MONITORING

The groundwater monitoring event for the third quarter 2000 took place on September 27, 2000. Field methods followed Weber, Hayes and Associates' standard field methodology for groundwater monitoring, which is described in Appendix A. Groundwater samples were collected from all monitoring wells at the site in accordance with directives from Environmental Health, and analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g) by EPA Method 8015M, and benzene, toluene, ethylbenzene, and xylenes (BTEX), Methyl tert Butyl Ether (MTBE), and other organic compounds, including fuel oxygenates by EPA Method 8260. Field data forms are also presented in Appendix A.

Free Product

Free product was not observed in any of the monitoring wells this quarter.

Groundwater Elevation and Flow Direction

Groundwater elevations were calculated by subtracting the measured depth-to-groundwater from the top-of-casing elevations, which were surveyed by a state-licensed Land Surveyor. Field

measurements and the calculated groundwater elevations for the site are summarized in Table 1. Calculated groundwater elevations from the gauging data collected on September 27, 2000 are shown on Figure 2. Data from this quarter indicate that groundwater flow is to the southwest (see Figure 2). The calculated groundwater gradient on September 27, 2000 was to the southwest at approximately 0.002 feet per foot. Previous reports indicate that the groundwater flow direction in the vicinity of the site has generally been in a northwesterly to southwesterly direction. A table and figures summarizing previous depth to groundwater data is presented as Appendix B.

Groundwater Analytical Results

Groundwater samples were collected from all of the monitoring wells associated with the site this quarter, in accordance with directives from Environmental Health. The groundwater analytical results for this quarter are summarized below.

Summary of Groundwater Sample Analytical Results, September 27, 2000 (µg/L, ppb)

Well ID	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Fuel Oxygenates
MW-3	430	ND	ND	44	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND
MW-5	18,000	840	570	1,200	3,500	< 30	ND
MW-6	1,300	ND	4.3	200	17	ND	ND
MW-7	270	13	6.6	11	ND	ND	ND
MW-8	ND	ND	ND	ND	ND	ND	ND
MW-9	1,000	40	6.7	110	55	ND	ND
MW-10	880	ND	ND	ND	ND	ND	ND
MW-11	63	ND	ND	ND	ND	ND	ND
MW-12	ND	ND	ND	ND	ND	ND	ND
AL/MCL	1,000	1	150	700	1,750	5	varies

The concentration of TPH-g, BTEX and MTBE in well MW-5 exceed the respective groundwater quality goals/drinking water Action Levels (ALs) and Maximum Contaminant Limits (MCLs).

The concentration of TPH-g in well MW-6 exceeds the groundwater quality goal/AL.

The concentration of TPH-g and benzene in well MW-9 exceed the respective groundwater quality goals/AL and MCL

MTBE was not detected in any of the wells associated with the site. The detection limit for MTBE was elevated to 30 micrograms per liter (µg/L, parts per billion, ppb) in well MW-5 due to sample dilution.

No fuel oxygenates (Di-isopropyl Ether, tertiary Butyl Alcohol, Ethyl tertiary Butyl Ether, and tertiary Amyl Methyl Ether) were detected in any of the groundwater samples.

Seven other organic compounds (1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, Napthalene, and p-Isopropyltoluene) were detected in wells MW-3, 5, 6, 7, and 9 by EPA Method 8260. Only the concentration of napthalene in well MW-5 exceeded a water quality goal. **We do not believe that these compounds pose a significant risk to human health or the environment.** A literature review indicates that napthalene is biodegradable (Howard, 1990). We believe napthalene at the site will be naturally degraded. We believe that addressing the elevated concentrations of TPH-g and BTEX in well MW-5 will also address the napthalene in this well.

Please see the Conclusions section for a discussion of the groundwater analytical results.

The current groundwater sample analytical results are summarized in Table 1. PHC concentrations detected in groundwater during the current monitoring event are shown on Figure 3. The extent of dissolved PHCs greater than 1,000 ppb TPH-g and 1 ppb benzene in groundwater are shown on Figure 4.

The Certified Analytical Report for the groundwater samples is presented as Appendix C. A summary of the other compounds detected by EPA Method 8260 is also presented in Appendix C. All laboratory quality control and quality assurance data were within acceptable limits. A table and figures summarizing previous groundwater analytical results is presented as Appendix D.

Dissolved Oxygen Measurements

Dissolved oxygen field measurements were collected to monitor bioremediation of PHCs in groundwater. Measurements indicate lower levels of dissolved oxygen in PHC impacted wells compared to levels in non-impacted wells. We believe this indicates that natural attenuation of PHCs via bioremediation is occurring in groundwater, with microbes using dissolved PHCs as a food source during aerobic respiration (see Bushek and O'Reilly, 1995, Table 1 and Figure 3).

SUMMARY

- Free product was not observed in any of the monitoring wells at the site.
- The groundwater flow direction on September 27, 2000 was to the southwest at a gradient of approximately 0.002 feet per foot. This direction is in general agreement with previous data collected by others at the site.
- TPH-g, benzene, ethylbenzene, and xylenes were detected above their respective ALs/MCLs in on-site well MW-5, which is located directly downgradient of the removed USTs.
- TPH-g was detected above the AL in on-site well MW-6.
- Benzene was detected above the MCL in on-site well MW-7.
- TPH-g and benzene were detected above their respective ALs/MCLs in on-site well MW-9.
- MTBE was not detected in any of the groundwater samples collected this quarter. The detection limit for MTBE in the most severely PHC-impacted well, MW-5, was elevated to 30 ppb due to sample dilution.
- No fuel oxygenates were detected in the groundwater samples collected this quarter.
- Measurements of dissolved oxygen indicated aerobic bioremediation is occurring in the PHC-impacted wells. We believe that this is a significant mechanism for the reduction of dissolved PHC concentrations at this site.

CONCLUSIONS AND RECOMMENDATIONS

Based on a review of the current and previous groundwater monitoring data, we conclude:

- PHCs are present in several on-site wells downgradient of the removed USTs at concentrations above groundwater quality goals.
- The highest concentrations of PHCs are in well MW-5, which is located immediately downgradient of removed USTs.
- A review and comparison of previous groundwater analytical data with the current data suggests there has been a reduction in PHC concentrations at the site of at least an order of magnitude since September 1996 (see Table 1, Figures 3 and 4, and Appendix D).

- Neither MTBE nor any other fuel oxygenate was detected in the groundwater samples collected this quarter. We believe that this result, coupled with the fact that the USTs were removed from the site in 1989, before the widespread use of fuel oxygenates, indicates that it is unlikely that MTBE or any fuel oxygenate is present in groundwater at the site.

- We believe that natural attenuation/bioremediation will continue to remove PHCs from groundwater at the site.

- Low levels of other compounds detected by EPA Method 8260 in wells MW-3, 5, 6, 7, and 9 do not pose a threat to human health or the environment.

We recommend:

- Continuing quarterly groundwater monitoring of dissolved PHC concentrations at the site.

- Collecting soil samples from the site to determine the extent of PHCs remaining in the unsaturated zone. We submitted a Work Plan for soil sampling dated September 7, 2000. The Work Plan was approved by Environmental Health on November 1, 2000.

- Evaluating soil and groundwater sample analytical data to determine if active cleanup of PHCs in either soil or groundwater at the site is necessary. This should include developing site-specific cleanup goals for the PHCs detected in soil and groundwater at the site. Cleanup goals for some PHCs detected at the site have already been developed and approved by Environmental Health and the Regional Water Quality Control Board.

SCHEDULE OF ACTIVITIES FOR THE FOLLOWING QUARTER

The following activities are scheduled for the next quarter:

- Quarterly groundwater monitoring of all monitoring wells as directed by Environmental Health, including measuring the depth-to-groundwater, dissolved oxygen concentration, and physical parameters, and collecting samples from all wells and analyzing them for TPH-g, BTEX and MTBE by EPA Methods 8015M and 8020. All detections of MTBE will be confirmed by EPA Method 8260.

- Soil sampling in the unsaturated zone and analysis per our September 7, 2000 Work Plan, which was approved by Environmental Health on November 1, 2000, pending approval by the Underground Storage Tank Cleanup Fund.

LIMITATIONS

Our service consists of professional opinions and recommendations made in accordance with generally accepted geologic and engineering principles and practices. This warranty is in lieu of all others, either expressed or implied. The analysis and proposals in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modification of the opinions expressed herein.

Thank you for the opportunity to aid in the assessment and cleanup of this site. If you have any questions or comments regarding this project please call us at (831) 722 - 3580.

Sincerely yours,

Weber, Hayes And Associates

By: _____
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Attachments:

Table 1:	Summary of Groundwater Elevation and PHC Analytical Results
Figure 1:	Location Map
Figure 2:	Site Plan with Groundwater Elevations
Figure 3:	Site Plan with PHC Concentrations in Groundwater
Figure 4:	Site Plan with Extent of TPH-g and Benzene in Groundwater
Appendix A:	Field Methodology for Groundwater Monitoring and Field Data Forms
Appendix B:	Summary of Historical Depth to Groundwater Measurements, Groundwater Elevations, and Groundwater Flow Direction - AGI Technologies, Inc.
Appendix C:	Certified Analytical Report - Groundwater Samples
Appendix D:	Summary of Historical Groundwater Analytical Results - AGI Technologies, Inc.

c: Mr. Amir Gholami, Alameda County Environmental Health
Mr. Jerry Harbert
Mr. Gregg Petersen, Durham Transportation
Mr. Chuck Headlee, San Francisco Bay Regional Water Quality Control Board

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Table 1: Summary of Groundwater Elevation and PHC Analytical Data
Former Harbert Transportation Facility, 19984 Meekland Avenue, Hayward, Ca.
Weber, Hayes and Associates Project H9042

Well I.D.	Date	Screened Interval (feet below ground surface)	Surveyed T.O.C. Elevation (feet)	Depth to Groundwater (feet below ground surface)	Calculated Groundwater Elevation (feet)	Laboratory Analytical Results							
						TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	F.O.'s (ug/L)	D.O. (mg/L)
MW-3		20 - 40?	55.44										
	27-Sep-2000			23.09	32 35	430	ND	ND	44	ND	ND	ND	1 0
MW-4		20 - 40?	55.71										
	27-Sep-2000			23.25	32.46	ND	ND	ND	ND	ND	ND	ND	2 5
MW-5		25 - 45	56 03										
	27-Sep-2000			23.69	32.34	18,000	840	2 9	1,200	3,500	< 30	ND	0.4
MW-6		25 - 45	56 01										
	27-Sep-2000			23.56	32.45	1,300	ND	4.3	200	17	ND	ND	0.5
MW-7		25 - 45	56.66										
	27-Sep-2000			24.18	32.48	270	13	6.6	11	ND	ND	ND	0.5
MW-8		20 - 40	56 16										
	27-Sep-2000			23.59	32.57	ND	ND	ND	ND	ND	ND	ND	1.9
MW-9		20 - 40	55.21										
	27-Sep-2000			22.90	32.31	1,000	40	6.7	110	55	ND	ND	0.5
MW-10		25 - 40	54 74										
	27-Sep-2000			22.72	32.02	880	ND	ND	ND	ND	ND	ND	0.4
MW-11		25 - 40	55.20										
	27-Sep-2000			22.43	32.31	63	ND	ND	ND	ND	ND	ND	0 6
MW-12		25 - 40	56.49										
	27-Sep-2000			23.98	32.51	ND	ND	ND	ND	ND	ND	ND	1 2
Laboratory's Practical Quantitation Limit (PQL):						**50**	**0.5**	**0.5**	**0.5**	**0.5**	**5**	**5**	Field
State Maximum Contaminant Level (MCL):						**1,000****	**1**	**150**	**700**	**1,750**	**5*****	**0.5**	Instrument

Notes:

T O C. = Top of Casing Elevation. Calculated groundwater elevation = TOC - Depth to Groundwater Referenced to NGVD.

TPH-g = Total Petroleum Hydrocarbons as gasoline. MTBE = Methy - tert - Butyl Ether

F O.'s = Fuel Oxygenates = Di-isopropyl ether (DIPE), tertiary Butyl Alcohol (TBA), Ethyl tertiary Butyl Ether (ETBE), tertiary amyl Methyl Ether (TAME)

VOC's = Volatile Organic Compounds D O. = Dissolved Oxygen

ug/L = micrograms per liter, parts per billion; mg/L = milligrams per liter, parts per million

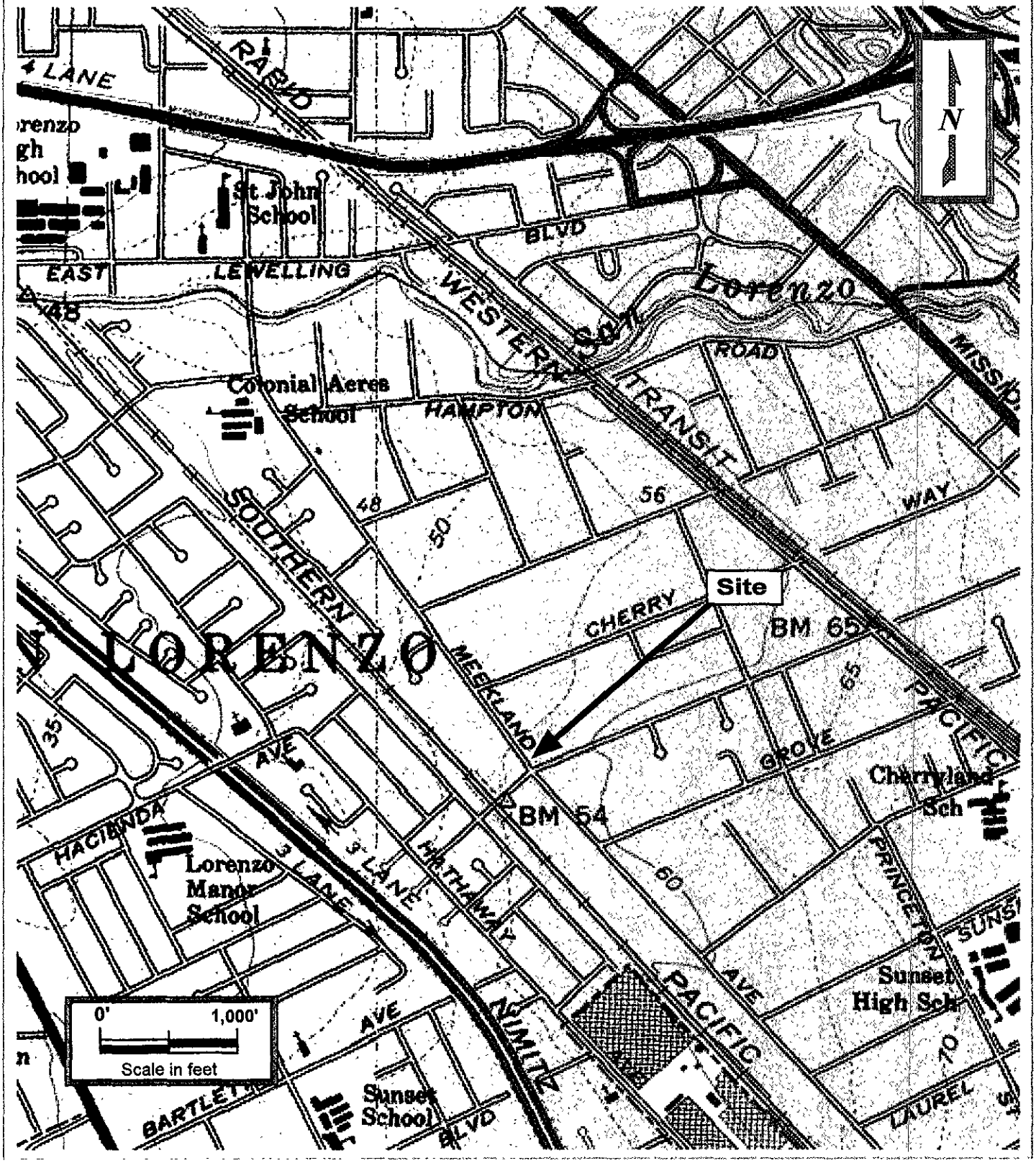
ND = Not Detected at the Practical Quantitation Limit (PQL); <X = Not Detected at the elevated PQL, X PQL elevated because of sample dilution

-- = Data not collected or measured, or analysis not conducted

MCL = Maximum Contaminant Level for drinking water in California (Department of Health Services).

* Confirmed by GC/MS method 8260

** = Action Level *** = RWQCB water quality goal



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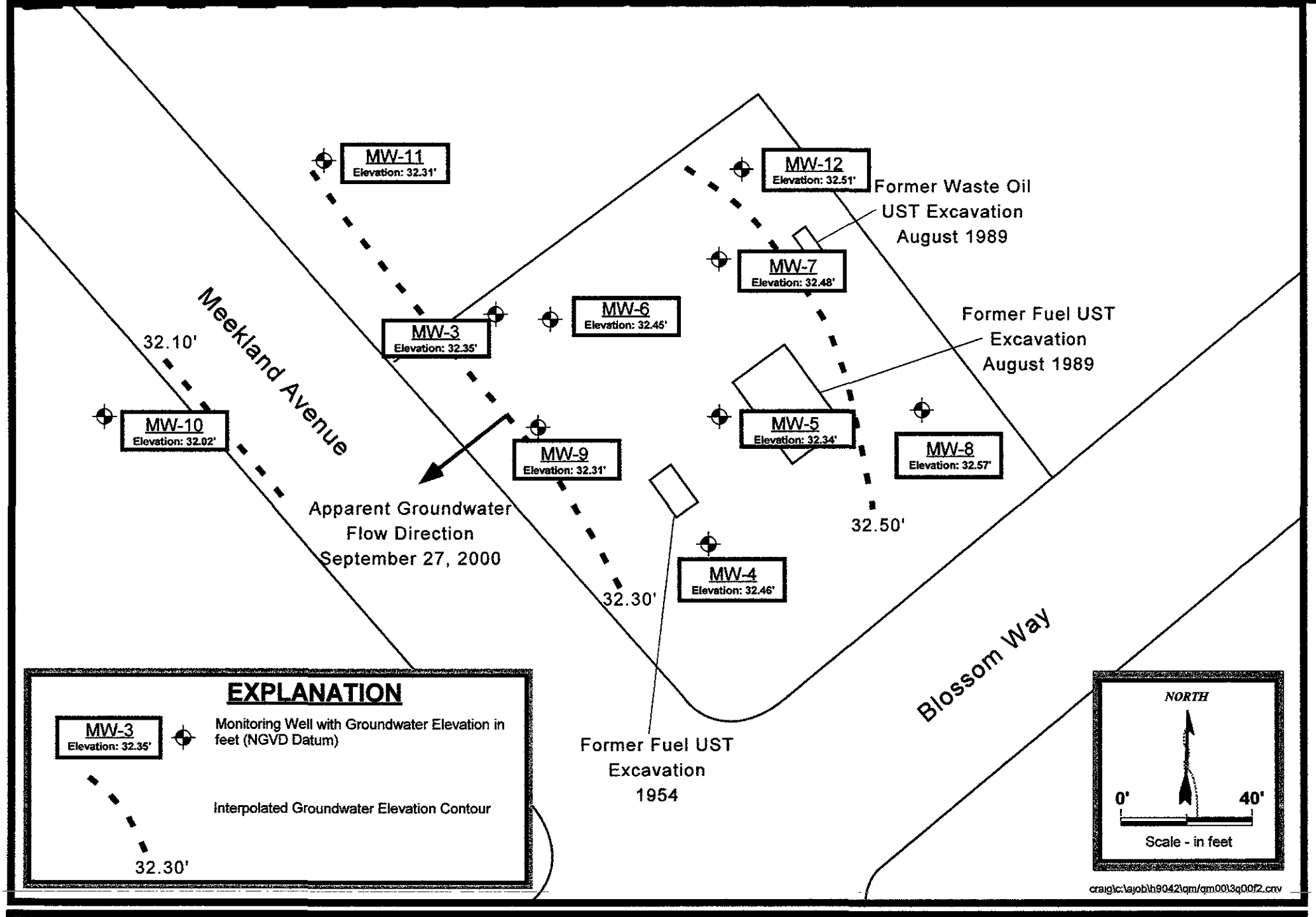
LOCATION MAP
Former Harbert Transportation Facility
19984 Meekland Avenue
Hayward, California

Figure 1
Project H9042.Q



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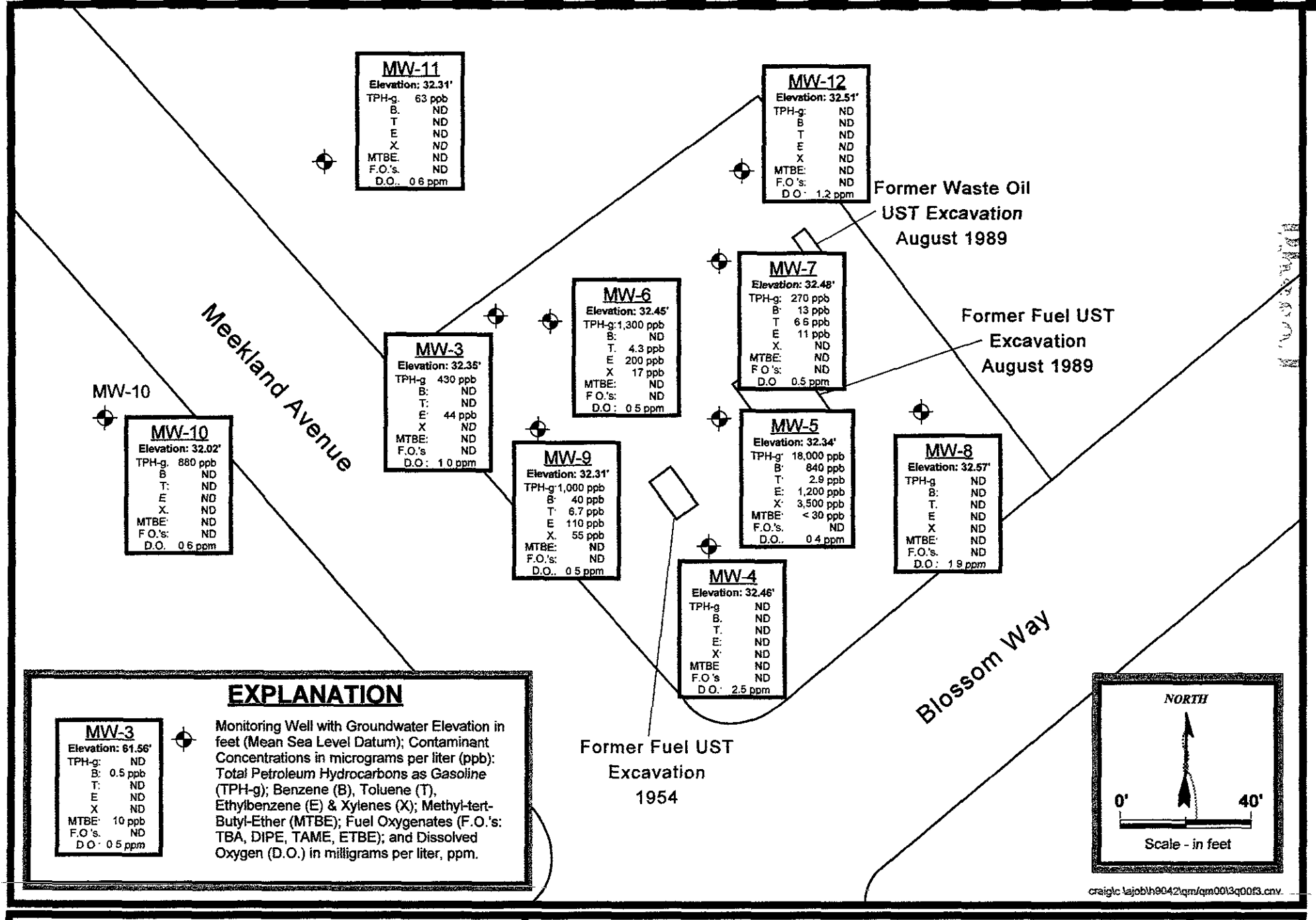
Site Plan with Groundwater Elevations

Former Harbert Transportation Facility
19984 Meekland Avenue, Hayward, California

Figure 2 Project H9042



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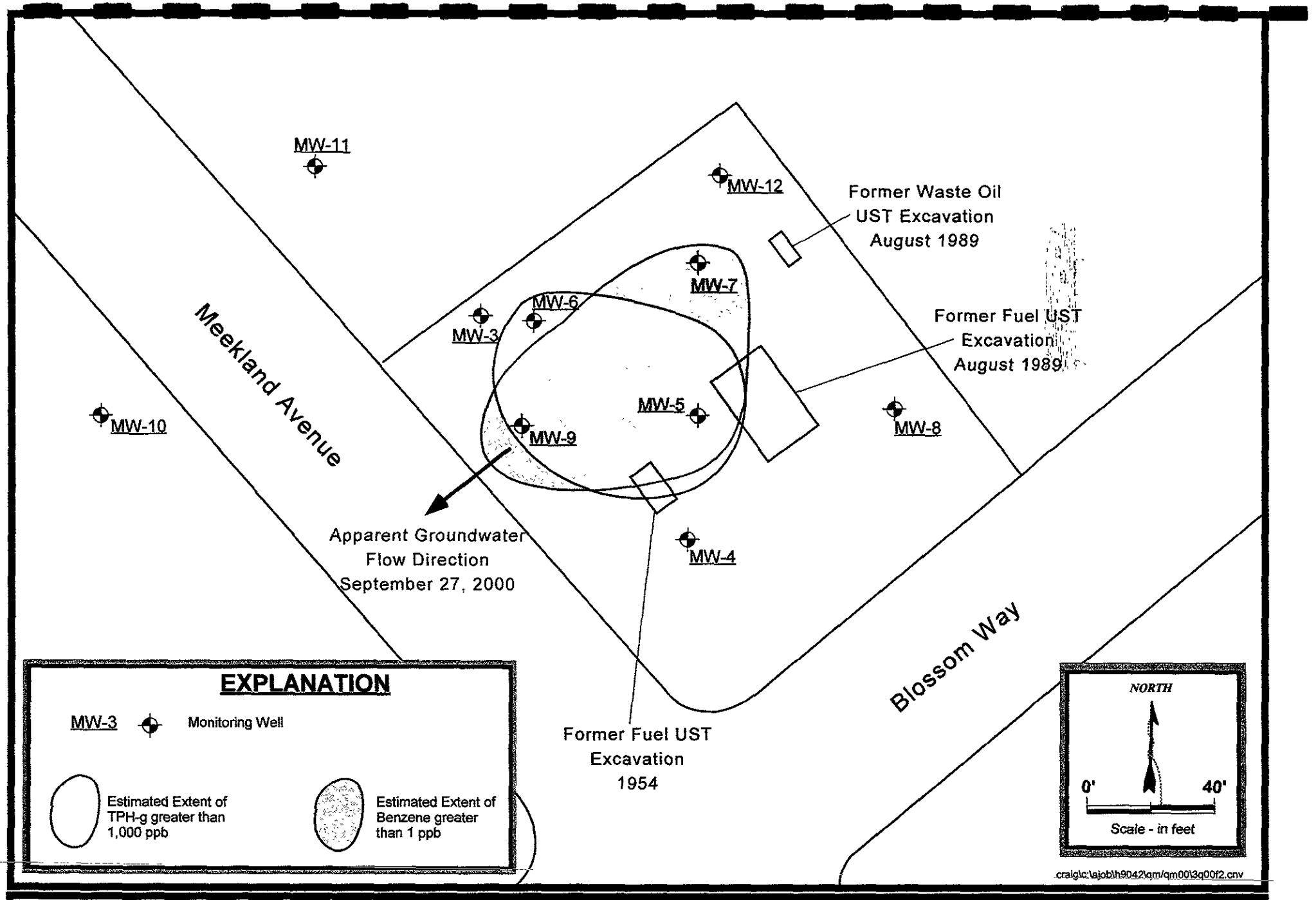
Site Plan with PHC Concentrations in Groundwater
Former Harbert Transportation Facility
19984 Meekland Avenue, Hayward, California

Figure 3
Project H9042



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Site Plan with Extent of TPH-g and Benzene in Groundwater

Former Harbert Transportation Facility
19984 Meekland Avenue, Hayward, California

Figure 4
Project H9042

Appendix A

Field Methodologies for Groundwater Monitoring and Field Data Forms

Appendix A

Field Methodologies for Groundwater Monitoring

Weber, Hayes and Associates' groundwater monitoring field methodology is based on procedures specified in the *LUFT Field Manual*. The first step in groundwater well sampling is for Weber, Hayes and Associates field personnel to measure the depth-to-groundwater to the nearest hundredth (0.01) of a foot with an electric sounder. If the well appears to be pressurized, or the groundwater level is fluctuating, measurements are made until the groundwater levels stabilizes, and a final depth-to groundwater measurement is taken and recorded. After the depth-to-groundwater is measured, the well is then checked for the presence of free product with a clear, disposable polyethylene bailer. If free product is present, the thickness of the layer is recorded, and the product is bailed to a sheen. All field data (depth-to-groundwater, well purge volume, physical parameters, and sampling method) is recorded on field data sheets (see attached). Because removing free product may skew the data, wells that contain free product are not used in groundwater elevation and gradient calculations.

After measuring the depth-to-groundwater, each well, starting with the cleanest well (based on analytical results from the last sampling event), is purged of approximately three to five well volumes of water. Purging is accomplished either by hand bailing or with a low flow submersible electric pump. During purging the physical parameters of temperature, conductivity, pH, and Oxidation-Reduction Potential (ORP) of the purge water are monitored with field instruments to insure that these parameters have stabilized (are within 15 percent of the previous measurement). The dissolved oxygen content of the groundwater from each well is measured with a YSI Model 57 field meter (equipped with a membrane covered Clark-type polarographic sensor probe, with built-in thermistors for temperature compensation). Dissolved oxygen and ORP measurements are used as an indicator of intrinsic bioremediation within the contaminant plume. All field instruments are calibrated before use.

All purge water is stored on site in DOT-approved, 55-gallon drums for disposal by a state-licensed contractor pending laboratory analysis for fuel hydrocarbons.

After purging, the water level in the well is allowed to recover to 80 percent of its original depth before a sample is collected. After water level recovery, a groundwater sample is collected from each well with a new, disposable bailer, and decanted into the appropriate laboratory-supplied sample container(s). The sample containers at this site were 40-ml. vials. Each vial was filled until a convex meniscus formed above the vial rim, then sealed with a Teflon®-septum cap, and inverted to insure that there were no air bubbles or head space in the vial. All samples are labeled in the field and transported in insulated containers cooled with blue ice to state-certified laboratories under proper chain of custody procedures.

All field and sampling equipment is decontaminated before, between, and after measurements or sampling by washing in an Liqui-Nox and tap water solution, rinsing with tap water, and rinsing with distilled water.

Weber, Hayes & Associates

Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 (831) 662-3100
Fax: (831) 722-1159

Job Name: **Harbert Transportation**	*Date:* **9/27/00**
Field Location: **19984 Meekland Avenue, Hayward**	*Study #:* **H9042.Q**
Field Tasks: ☐ *Drilling* ☑ *Sampling* ☑ *Other* **Quarterly Monitoring Well Water Sampling**	*Weather Conditions:* High Clouds
Personnel/Company onsite: **(Weber, Hayes and Associates) Chad Taylor**	

FIELD WORK PLANNING: Performed on:9/26/00

CT Meet with project manager: **X** yes, or no.

Number of wells to be sampled: **Tene Wells, with D.O in all wells**
Sample wells: **MW-3, 4, 5, 6, 7, 8, 9, 10, 11, 12: for TPH-G, BTEX, and ~~MTBE~~.** VOC's by EPA E260

Proposed sampling date: **9/27/00**

TIME: 0654
Arrive onsite to perform 3rd Quarter Well Sampling.

CT COMMENTS:
Send all analytical to Entech Analytical Laboratory.

INITIALS:

CT -All sampling is conducted according to Standard Operating Procedure (SOP) 10I/
-Water Quality Sampling Information for each well sampled is recorded on following pages.
-Upon sampling, all samples are placed immediately in coolers containing blue ice.
-After sampling each well all equipment is decontaminated according to SOP 10B/.
-All purge water is properly disposed in 55-gallon drums to be purged at a later date.
-All samples are recorded on field Chain-of-Custody Sheets for transport to Laboratory.

BEGIN CALIBRATION:

CT pH, EC, Temp Meter # 2 : Temp = 66.7°F pH = 7.00 & 10.00, EC = 1413 µS/cm

Dissolved Oxygen Meter: Red-line ✓, Zero ✓, Temp= 17°C
Therefore, 9.67 mg/L = Solubility of Oxygen in fresh water.

BEGIN SAMPLING ALL WELLS:

CT MW-8 MW-4 MW-11 MW-10 MW-12 MW-3 MW-7 MW-6 MW-1 MW-5 ___ ___
-See information below for general monitoring well information this sampling round.

COMMENTS:

CT All well will be purged of four casing volumes in the column requiring sampling (see Water Quality Sampling Field Forms for details). Wells will be purged from bottom-up and will follow standard operating procedures by WHA. Wells will be sampled using a bladder pump, or disposable bailer.

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9/27/00
Signature of Field Personnel & Date

Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 (831) 662-3100
Fax: (831) 722-1159

Location	GW Depth (TOC)	Total Depth of Well	D.O. (mg/L)	Floating Product (comments).
MW-3	23.09'	40'	1.0	No FP, Slight Odor
MW-4	23.25'	40'	2.5	No FP, No Odor
MW-5	23.69'	45'	0.4	No FP, Moderate Odor
MW-6	23.56'	45'	0.5	No FP, Slight Odor
MW7	24.18'	45'	0.5	No FP, Slight Odor
MW-8	23.59'	40'	1.9	No FP, No Odor
MW-9	22.90'	40'	0.5	No FP, Slight Odor
MW-10	22.72'	40'	0.4	No FP, Slight Odor
MW-11	22.93'	40'	0.6	No FP, Very Slight Odor
MW-12	23.98'	40'	1.2	No FP, Very Slight Odor.
CT				

HOW MANY PURGE DRUMS WERE LEFT ONSITE 8. APPROXIMATE GAL. 320.
CALL ~~BAYSIDE OIL~~ Asbury Environmental Services ON 1/28/00 TO HAVE DRUMS PURGED.
DRUMS WILL BE PURGED ON ________.

COMMENTS:

[signature] 1/27/00
Signature of Field Personnel & Date

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WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Herbert Transportation/H9042.Q **Date:** 9/27/00

Sample No.: MW-3 **Sample Location:** MW-3

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 3
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1,2 DCA, EDB, 8260 Fuel Oxygenates~~ ~~TPH-diesel, Stoddard Solvent~~ ~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used: 5x40mL VOA's

Well Number: MW-3
Depth to Water: 23.09' TOC
Well Depth: 40' BGS or TOC
Height W-Column: 16.91' feet (well depth - depth to water)
Volume in Well: 2.7056 gallons (casing volume X height)
Gallons to purge: 10.82 gallons (volume X 4)

Well Diameter: 2" with Casing Volume of:
(2" = (0.16 Gallon/Feet))
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab: Futch **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1339	0	561	71.7	9.01	Moderate: Gry-Brown, Mod Fines	2.0
1342	2	606	70.5	8.91	Low: Clear, Trace Fines	1.0
1345	4	603	69.6	8.89	↓	0.9
1348	6	615	69.1	8.90		0.9
1352	8	606	68.9	8.89		1.0
1355	10	608	68.3	8.90		1.0
1358	12	611	69.1	8.90	↓	1.0
STOP-	Purge	Complete.	Wait For 80%		Well Recovery. See Well Recovery	
		Details	Below			

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 2.7056 x 0.8 = 2.16448

80% of original well volume 2.16448 / (Casing Volume) 0.16 = (Height of water column) 13.528 (Well Depth) 40 = Depth to water 26.47'

Time: 1400 1st measured depth to water, 23.11' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ✓

Sample Well

Time: 1400 Sample ID: MW-3 Depth: 23.11' feet below TOC

Comments: No Floating Product. Slight Odor.

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Herbert Transportation/H9042.Q **Date:** 9/27/04

Sample No.: MW-4 **Sample Location:** MW-4

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

X Bailer: Disposable or (Acrylic)
___ Whaler # ___
___ Bladder Pump
___ Submersible Pump

Sample Equipment:

X Disposable Bailer
___ Whaler # ___
___ Bladder Pump
___ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1, 2-DCA, EDB~~ (8260) ~~Fuel Oxygenates~~
~~TPH-diesel, Stoddard Solvent~~
~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used:

5 x 40mL VOA's

Well Number:	MW-4		**Well Diameter:** 2" with Casing Volume of:
Depth to Water:	23.25'	TOC	(2" = (0.16 Gallon/Feet))
Well Depth:	40'	BGS or TOC	4" = (0.65 Gallon/Feet)
Height W-Column:	16.75'	feet (well depth - depth to water)	5" = (1.02 Gallon/Feet)
Volume in Well:	2.68	gallons (casing volume X height)	6" = (1.47 Gallon/Feet)
Gallons to purge:	10.72	gallons (volume X 4)	8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
0835	0	613	64.8	7.25	Low: Clear, Trace Fines	2.9
0845	2	604	64.5	7.14	Low: Clear-Brown, Minor Fines	1.8
0852	4	607	64.4	7.15	↓ ↓ ↓	1.7
0903	6	613	64.1	7.11		2.3
0937	8	610	64.0	6.90		1.3
0941	10	628	64.9	6.98	Low: Clear, Trace Fines	1.6
0945	12	631	65.4	7.01	↓ ↓ ↓	2.5
STOP	Purge Complete. Wait For 80% Well Recovery. See Well Recovery Details Below.					

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 2.68 x 0.8 = 2.144

80% of original well volume 2.144 / (Casing Volume) 0.16 = (Height of water column) 8.4' - (Well Depth) 40' = Depth to water 26.60'

Time: 0947	1st measured depth to water, 23.30' feet below TOC.	Is well within 80% of original well casing volume: Yes ✓ No ___
Time: ___	1st measured depth to water, ___ feet below TOC.	Is well within 80% of original well casing volume: Yes ___ No ___
Time: ___	1st measured depth to water, ___ feet below TOC.	Is well within 80% of original well casing volume: Yes ___ No ___

Sample Well

Time: 0947 Sample ID: MW-4 Depth: 23.30 feet below TOC

Comments: No Floating Product, No Odor. Leave 1½" Acrylic Bailer in Well

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Harbert Transportation/119042.0 **Date:** 9/23/00

Sample No.: MW-5 **Sample Location:** MW-5

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 213
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1, 2-DCA, EDB~~, (8260) ~~Fuel Oxygenates~~

~~TPH-diesel, Stoddard Solvent~~

~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used: 5 x 40 mL VOA's

Well Number: MW-5

Depth to Water: 23.69' TOC

Well Depth: 46' BGS or TOC

Height W-Column: 21.31' feet (well depth - depth to water)

Volume in Well: 13.8615 gallons (casing volume X height)

Gallons to purge: 55.406 gallons (volume X 4)

Well Diameter: 4' with Casing Volume of:

- 2" = (0.16 Gallon/Feet)
- 4" = (0.65 Gallon/Feet)
- 5" = (1.02 Gallon/Feet)
- 6" = (1.47 Gallon/Feet)
- 8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1731 / 1740	0 / 5	506 / 522	65.1 / 16.0	8.28 / 8.39	Hi: Gry, Many Fines / High Gry, Many Fines	0.1 / 0.4
1745 / 1750	10 / 15	513 / 510	66.4 / 66.3	8.31 / 8.41	Moderate: Gry, Moderate Fines	0.5 / 0.4
1755 / 1800	20 / 25	516 / 521	66.3 / 66.3	8.39 / 8.39	Moderate: Gry, Mod. Fines / Low: Clear, Gry, Min. Fines	0.4 / 0.4
1804	30	532	66.2	8.40	Low: Clear, Trace Fines	0.5
1809	35	515	66.1	8.39		0.5
1814	40	519	66.4	8.38		0.5
1818	45	517	66.4	8.39		0.4
1823	50	525	66.3	8.39		0.4
1828	55	528	66.3	8.39		0.4

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 13.8515 x 0.8 = 11.0812

80% of original well volume 11.0812 / (Casing Volume) 0.65 = (Height of water column) 17.048' (Well Depth) 45' = Depth to water 27.95'

Time: 1830 1st measured depth to water, 24.12' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Sample Well

Time: 1830 Sample ID: MW-5 Depth: 24.12' feet below TOC

Comments: No Floating Product, Moderate Odor

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Hubert Transportation / H9042.Q **Date:** 9/27/00

Sample No.: MW-6 **Sample Location:** MW-6

Samplers Name: Chad Tyler **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 243
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1, 2-DCA, EDB~~ (8260) ~~Fuel Oxygenates~~

~~TPH diesel, Stoddard Solvent~~

~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used:

5 x 40mL VOA's

Well Number: MW-6

Depth to Water: 23.65' TOC

Well Depth: 45' BGS or TOC

Height W-Column: 21.35' feet (well depth - depth to water)

Volume in Well: 13.8775 gallons (casing volume X height)

Gallons to purge: 55.51 gallons (volume X 4)

Well Diameter: 4" with Casing Volume of:

- 2" = (0.16 Gallon/Feet)
- (4" = (0.65 Gallon/Feet))
- 5" = (1.02 Gallon/Feet)
- 6" = (1.47 Gallon/Feet)
- 8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1537 / 1543	0 / 5	515 / 536	68.3 / 68.8	9.03 / 9.07	High: Gry, Mny Fines / High: Gry, Many Fines	0.4 / 0.4
1547 / 1552	10 / 15	530 / 511	69.2 / 68.7	9.11 / 9.18	High: Gry, Many Fines / Moderate: Gry, Mod Fines	0.4 / 0.7
1555 / 1558	20 / 25	502 / 500	68.6 / 68.3	9.17 / 9.10	Moderate: Gry, Minor Fines / Low: Clear-Gry, Minor Fines	1.0 / 0.7
1601	30	519	68.0	9.08	Low: Clear, Trace Fines	0.7
1604	35	517	67.1	9.07	↓	0.5
1608	40	522	67.7	9.11	↓	0.5
1611	45	531	67.7	9.09	↓	0.5
1615	50	524	67.8	9.06	↓	0.5
1619	55.5	525	67.2	9.02	↓	0.5

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 13.8775 x 0.8 = 11.102

80% of original well volume 11.102 / (Casing Volume) 0.65 = (Height of water column) 17.08' - (Well Depth) 45' = Depth to water 27.92'

Time: 1620 1st measured depth to water, 24.65' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ CT 1st measured depth to water, ____ CT feet below TOC. Is well within 80% of original well casing volume: Yes ____ No CT

Sample Well

Time: 1620 Sample ID: MW-6 Depth: 24.65' feet below TOC

Comments: No Floating Product, Slight Odor

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Hunters Transportation/H9042.Q **Date:** 9/27/00

Sample No.: MW-7 **Sample Location:** MW-7

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 213
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1,2 DCA, EDB~~ (8260) ~~Fuel Oxygenates~~
~~TPH diesel, Stoddard Solvent~~
~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used:

5 x 40mL VOA's

Well Number: MW-7
Depth to Water: 24.18' TOC
Well Depth: 45' BGS or TOC
Height W-Column: 20.82' feet (well depth - depth to water)
Volume in Well: 13.533 gallons (casing volume X height)
Gallons to purge: 54.13 gallons (volume X 4)

Well Diameter: 4" with Casing Volume of:
2" = (0.16 Gallon/Feet)
(4" = (0.65 Gallon/Feet))
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1420 / 1427	0 / 5	561 / 489	73.4 / 69.3	9.27 / 8.99	Hyl: Light Brown, Many Fines / Moderate: Brown, Minor	0.5 / 0.4
1431 / 1434	10 / 15	478 / 475	68.2 / 67.5	9.00 / 8.98	Low: Clear - Brown, Minor Fines / Low: Clear, Trace Fines	0.7 / 0.5
1438 / 1441	20 / 25	475 / 491	66.9 / 67.0	9.03 / 9.04	Low: Clear, Trace Fines / Low: Clear, Trace Fines	0.6 / 0.4
1445	30	476	66.7	9.01	Low: Clear, Trace Fines	0.4
1448	35	492	66.7	9.06	↓	0.3
1451	40	485	66.5	9.02	↓	0.4
1456	45	484	67.1	9.10	↓	1.2
1459	50	488	66.7	9.06	↓	0.5
1502	55	473	66.4	9.05	↓	0.5

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 13.533 x 0.8 = 10.8264

80% of original well volume 10.8264 / (Casing Volume) 0.65 = (Height of water column) 16.651' - (Well Depth) 45' = Depth to water 28.34'

Time: 1506' 1st measured depth to water, 24.91' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____
Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____
Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____ CT

Sample Well

Time: 1506 Sample ID: MW-7 Depth: 24.91' feet below TOC

Comments: No Floating Product, Slight Odor

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Arbcat Transportation/H1042.Q **Date:** 9/27/00

Sample No.: MW.8 **Sample Location:** MW-8

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 1
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) ~~MTBE, 1,2-DCA, EDB~~ (8260) ~~Fuel Oxygenates~~

~~TPH-diesel, Stoddard Solvent~~

~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used: 5 x 40 ml VOAs

Well Number: MW-8

Depth to Water: 23.59' TOC

Well Depth: 40' BGS or TOC

Height W-Column: 16.41' feet (well depth - depth to water)

Volume in Well: 10.666 S gallons (casing volume X height)

Gallons to purge: 42.17 gallons (volume X 4)

Well Diameter: 4" with Casing Volume of:

- 2" = (0.16 Gallon/Feet)
- (4" = (0.65 Gallon/Feet))
- 5" = (1.02 Gallon/Feet)
- 6" = (1.47 Gallon/Feet)
- 8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
0803	0	527	64.0	7.10	High: Grey-brown, Moderate Fines	1.0
0809 / 0817	5 / 10	552 / 539	64.4 / 64.4	7.05 / 7.09	Low: Clear-Brown, Minor Fines / Low: Clear, Trace Fines	0.9 / 1.3
0825	15	530	64.1	7.10	Low: Clear, Trace Fines	1.2
0832	20	532	64.1	7.12	Low: Clear, Trace Fines	1.6
0839	25	529	64.6	7.14	↓	1.9
0846	30	538	64.6	7.16	↓	1.8
0853	35	525	64.5	7.17	↓	1.0
0900	40	535	64.5	7.18	↓	1.9
0909	45	528	64.3	7.14	↓	1.9

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 10.666 x 0.8 = 8.5332

80% of original well volume 8.5332 (Casing Volume) 0.65 = (Height of water column) 13.138' - (Well Depth) 40' = Depth to water 26.87'

Time: 0910 1st measured depth to water, 24.24' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: \ 1st measured depth to water, \ feet below TOC. Is well within 80% of original well casing volume: Yes \ No \

Time: \ CT 1st measured depth to water, \ CT feet below TOC. Is well within 80% of original well casing volume: Yes ____ No \ CT

Sample Well

Time: 0916 Sample ID: MW-8 Depth: 24.24 feet below TOC

Comments: No Floating Product, No Odor. - ~~Replace~~ @ 1:CTaylor 3" Acrylic Bailer in well upon Arrival. Leave in Well.

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Herbert Transportation / 1T5047.Q **Date:** 9/27/00

Sample No.: MW-1 **Sample Location:** MW-1

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 2+3
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1, 2 DCA, EDB~~ (8260) ~~Fuel Oxygenates~~

~~TPH-diesel, Stoddard Solvent~~

~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used: 5x40mL VOA's

Well Number: MW-1

Depth to Water: 22.90' TOC

Well Depth: 40' BGS or TOC

Height W-Column: 17.10' feet (well depth - depth to water)

Volume in Well: 11.115 gallons (casing volume X height)

Gallons to purge: 44.46 gallons (volume X 4)

Well Diameter: 4" with Casing Volume of:

- 2" = (0.16 Gallon/Feet)
- 4" = (0.65 Gallon/Feet)
- 5" = (1.02 Gallon/Feet)
- 6" = (1.47 Gallon/Feet)
- 8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
~~1649~~ 1642	~~0~~ 5	~~506~~ 498	~~67.3~~ 67.9	~~8.77~~ 8.77	High: Gry, Many Fines, ~~High Gry~~	0.1 / 0.2
1644	10	481	67.5	8.80	Moderate: Gry, Moderate Fines	0.3
1647	15	~~481~~ 486	67.8	8.77	Low: Clear, Trace Fines	0.4
1651	20	490	68.2	8.71	↓	0.4
1655	25	506	67.5	8.71	↓	0.4
1658	30	498	67.3	8.65	↓	0.5
1701	35	489	67.2	8.60	↓	0.5
1704	40	500	67.0	8.69	↓	0.5
1708	45	484	66.9	867	↓	0.3

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 11.115 x 0.8 = 8.892

80% of original well volume 8.892 / (Casing Volume) 0.65 = (Height of water column) 13.68 - (Well Depth) 40' = Depth to water 26.32

Time: 1710 1st measured depth to water, 23.19' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Sample Well

Time: 1710 Sample ID: MW-1 Depth: 23.19' feet below TOC

Comments: No Floating Product, Slight Odor.

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Herbert Transportation/H9042Q **Date:** 9/27/05

Sample No.: MW-10 **Sample Location:** MW-10

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 3
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1, 2-DCA, EDB~~ (8260) ~~Fuel Oxygenates~~ ~~TPH-diesel, Stoddard Solvent~~ ~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used: 5x40mL VOA's

Well Number: MW-10
Depth to Water: 22.72' TOC
Well Depth: 40' BGS or TOC
Height W-Column: 16.28' feet (well depth - depth to water)
Volume in Well: 10.582 gallons (casing volume X height)
Gallons to purge: 42.33 gallons (volume X 4)

Well Diameter: 4" with Casing Volume of:
2" = (0.16 Gallon/Feet)
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1123	0	796	64.3	6.64	High Gray, Many Fines	0.2
1128 / 1135	5 / 10	768 / 768	66.1 / 67.1	6.69 / 6.77	Low Clear, Trace Fines / Low Clear, Trace Fines	0.3 / 0.5
1141	15	758	66.8	6.85	Low Clear, Trace Fines	0.5
1146	20	756	67.0	6.95		0.5
1152	25	764	67.4	7.06		0.5
1158	30	783	68.3	7.11		0.5
1204	35	779	68.3	7.33		0.4
1210	40	787	68.6	7.46		0.4
1217	45	782	68.1	7.64		0.4

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 10.582 x 0.8 = 8.4656

80% of original well volume 8.4656 / (Casing Volume) .065 = (Height of water column) 130.24' (Well Depth) 40' = Depth to water 26.98'

Time: 1220 1st measured depth to water, 22.91' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Sample Well

Time: 1220 Sample ID: MW-10 Depth: 22.91' feet below TOC

Comments: No Floating Product. Slight Odor.

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Herbert Transportation/19042.08 **Date:** 9/27/00

Sample No.: MW-11 **Sample Location:** MW-11

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 2
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1, 2-DCA, EDB~~ (8260) ~~Fuel Oxygenates~~

~~TPH-diesel, Stoddard Solvent~~

~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used: 5x40 ml VOA's

Well Number: MW-11
Depth to Water: 22.93' TOC
Well Depth: 40' BGS or TOC
Height W-Column: 17.07' feet (well depth - depth to water)
Volume in Well: 2.7312 gallons (casing volume X height)
Gallons to purge: 10.92 gallons (volume X 4)

Well Diameter: 2" with Casing Volume of:

(2" = (0.16 Gallon/Feet))
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab: Entech **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1019	0	804	63.8	6.86	High: Light Brown, Many Fines	1.3
1021	2	743	64.2	6.89	High: Light Brown, Very Many Fines	0.7
1023	4	670	64.2	6.92	High: Light Brown, Very Many Fines	0.5
1026	6	773	64.2	6.90	High: Light Brown, Many Fines	0.7
1028	8	804	64.3	6.88	Low-Moderate: Light Brown, Minor Fines	0.9
1035	10	828	63.9	6.78	Low: Clear-Brown, Minor Fines	0.7
1037	12	825	64.0	6.84	Low: Clear, Trace Fines	0.6
STOP - Purge Complete. Wait For 80% Well Recovery. See Below For Well Recovery Delay						

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 2.7312 x 0.8 = 2.18496

80% of original well volume 2.18496 / (Casing Volume) 0.16 = (Height of water column) 13.656' (Well Depth) 40' = Depth to water 26.344

Time: 1039 1st measured depth to water, 22.99' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Sample Well

Time: 1039 Sample ID: MW-11 Depth: 22.99' feet below TOC

Comments: No Floating Product. Very Slight Odor. Leave Acrylic Bailer in Well.

WATER QUALITY SAMPLING INFORMATION

Project Name/No.: Hurbert Transportation /H9042.Q **Date:** 9/27/00

Sample No.: MW-12 **Sample Location:** MW-12

Samplers Name: Chad Taylor **Recorded by:** CT

Purge Equipment:

- ____ Bailer: Disposable or Acrylic
- X Whaler # 3
- ____ Bladder Pump
- ____ Submersible Pump

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (cricle all that apply):

(TPH-gas) (BTEX) (MTBE) ~~1,2 DCA, EDB~~ (8260) ~~Fuel Oxygenates~~
~~TPH-diesel, Stoddard Solvent~~
~~Intrinsic Bio. Parameters~~

Number and Types of Bottle Used:

5 x 40 mL VOA's

Well Number: MW-12
Depth to Water: 23.98' TOC
Well Depth: 40' BGS or TOC
Height W-Column: 16.02' feet (well depth - depth to water)
Volume in Well: 2.5632 gallons (casing volume X height)
Gallons to purge: 10.2528 gallons (volume X 4)

Well Diameter: 2" with Casing Volume of:
2" = (0.16 Gallon/Feet)
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab: Enth **Transportation:** Courier

Time (24 hr.)	Volume Purged (Gallons)	Conductivity (µs/cm)	Temperature (°F)	pH	Turbidity: Color, Fines	D.O. (ppm)
1254	0	523	69.1	8.09	Moderate: Dark Brown, Med Fines	1.6
1256	2	529	68.1	8.06	Low: Clear-Brown, Minor Fines	1.0
1259	4	533	67.3	8.11	Low: Clear, Trace Fines	1.3
1302	6	526	66.9	8.12	↓ ↓ ↓	1.2
1306	8	528	66.7	8.14		1.3
1308	10	537	66.5	8.19		1.2
1311	12	550	66.5	8.25		1.2
STOP-	Purge Complete. Wait For Details.			80% Well Recovery. See Below for Well Recovery		

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume: Original well volume = 2.5632 x 0.8 = 2.05056

80% of original well volume 2.05056 / (Casing Volume) 0.16 = (Height of water column) 12.816' - (Well Depth) 40' = Depth to water 27.18'

Time: 1313 1st measured depth to water, 24.04' feet below TOC. Is well within 80% of original well casing volume: Yes ✓ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Time: ____ 1st measured depth to water, ____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No ____

Sample Well

Time: 1315 Sample ID: MW-12 Depth: 24.04' feet below TOC

Comments: No Floating Product, Very Slight Odor

Appendix B

Summary of Historical Depth to Groundwater Measurements, Groundwater Elevations, and Groundwater Flow Direction - AGI Technologies, Inc.

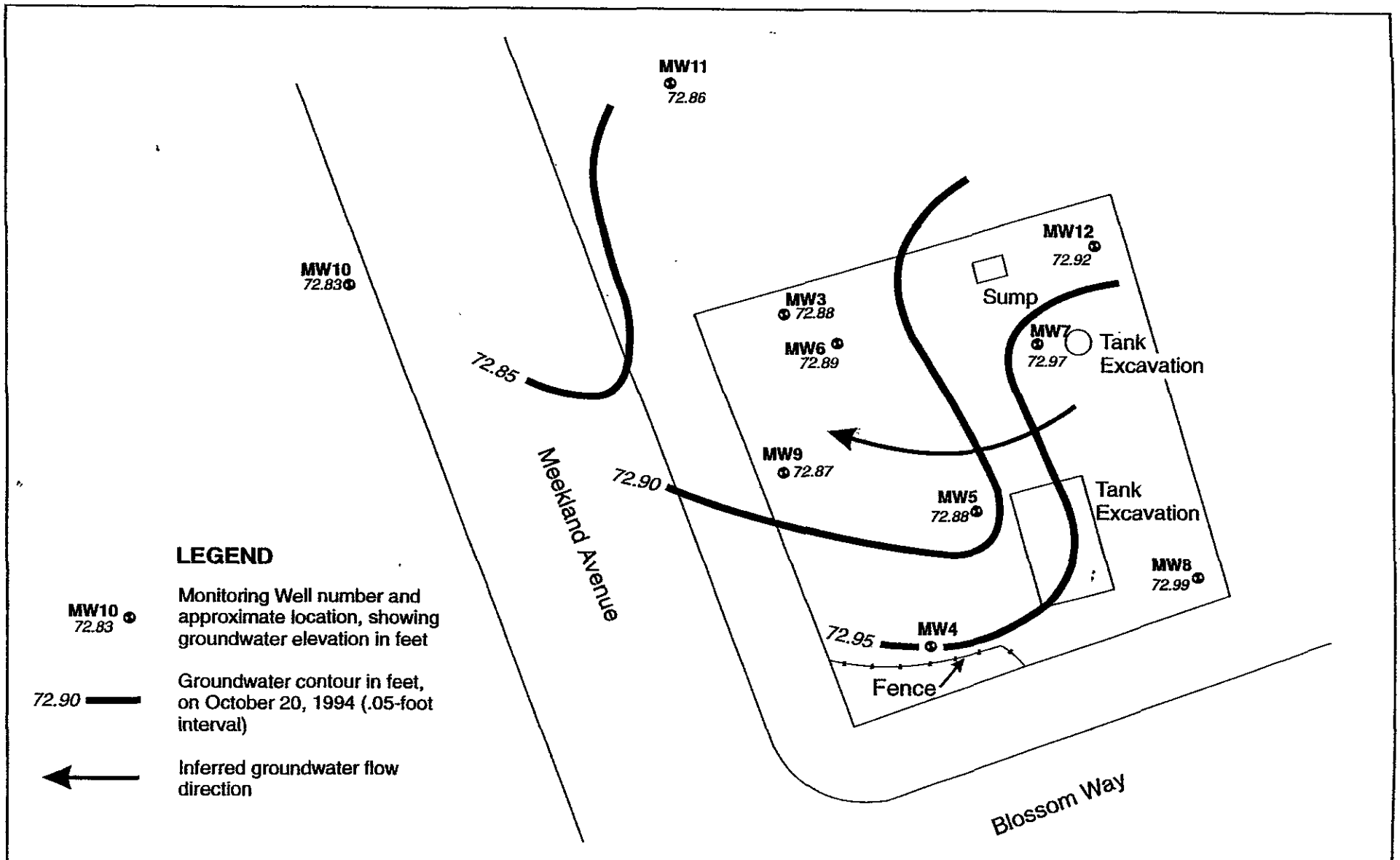
AGI TECHNOLOGIES

Table 1
Groundwater Elevation Data
Harbert Transportation/Meekland Avenue
Hayward, California

Well Number	Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (ft bgs)	Groundwater Elevation (feet)
MW3	10/20/94	100.00	27.12	72.88
	09/15/95		24.22	75.78
	03/14/96		19.02	80.98
	09/26/96		23.61	76.39
MW4	10/20/94	100.27	27.32	72.95
	09/15/95		24.42	75.85
	03/14/96		19.23	81.04
	09/26/96		23.85	76.42
MW5	10/20/94	100.59	27.71	72.88
	09/15/95		24.87	75.72
	03/14/96		19.95	80.64
	09/26/96		24.38	76.21
MW6	10/20/94	100.57	27.68	72.89
	09/15/95		24.79	75.78
	03/14/96		19.54	81.03
	09/26/96		24.20	76.37
MW7	10/20/94	101.22	28.25	72.97
	09/15/95		25.35	75.87
	03/14/96		20.06	81.16
	09/26/96		24.75	76.47
MW8	10/20/94	100.72	27.73	72.99
	09/15/95		24.81	75.91
	03/14/96		19.52	81.20
	09/26/96		24.13	76.59
MW9	10/20/94	99.77	26.90	72.87
	09/15/95		24.01	75.76
	03/14/96		18.80	80.97
	09/26/96		23.50	76.27
MW10	10/20/94	99.29	26.46	72.83
	09/15/95		23.79	75.50
	03/14/96		18.62	80.67
	09/26/96		23.30	75.99
MW11	10/20/94	99.75	26.89	72.86
	09/15/95		24.05	75.70
	03/15/96		18.79	80.96
	09/26/96		23.53	76.22
MW12	10/20/94	101.03	28.11	72.92
	09/15/95		25.19	75.84
	03/14/96		19.84	81.19
	09/26/96		24.57	76.46

Note:

ft bgs - Feet below ground surface.



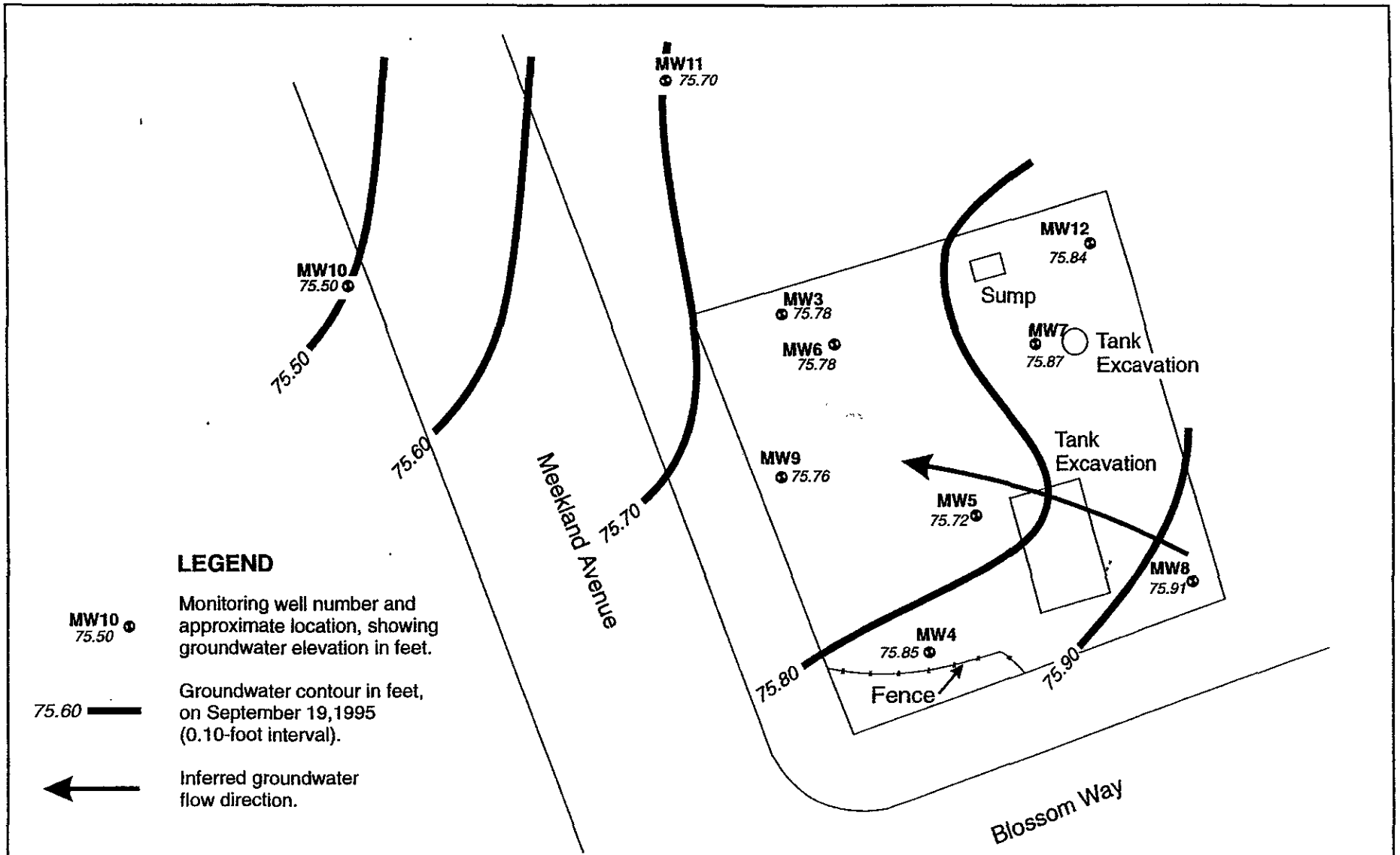
AGI TECHNOLOGIES

Groundwater Elevation and Contour Map 10/20/94

Harbert Transportation/Meekland Avenue
Hayward, California

FIGURE 3

grdwat.cdr	PROJECT NO. 15,833.002	DRAWN DFF	DATE 29 August 94	APPROVED	REVISED DFF	DATE 23 Nov 94



AGI TECHNOLOGIES

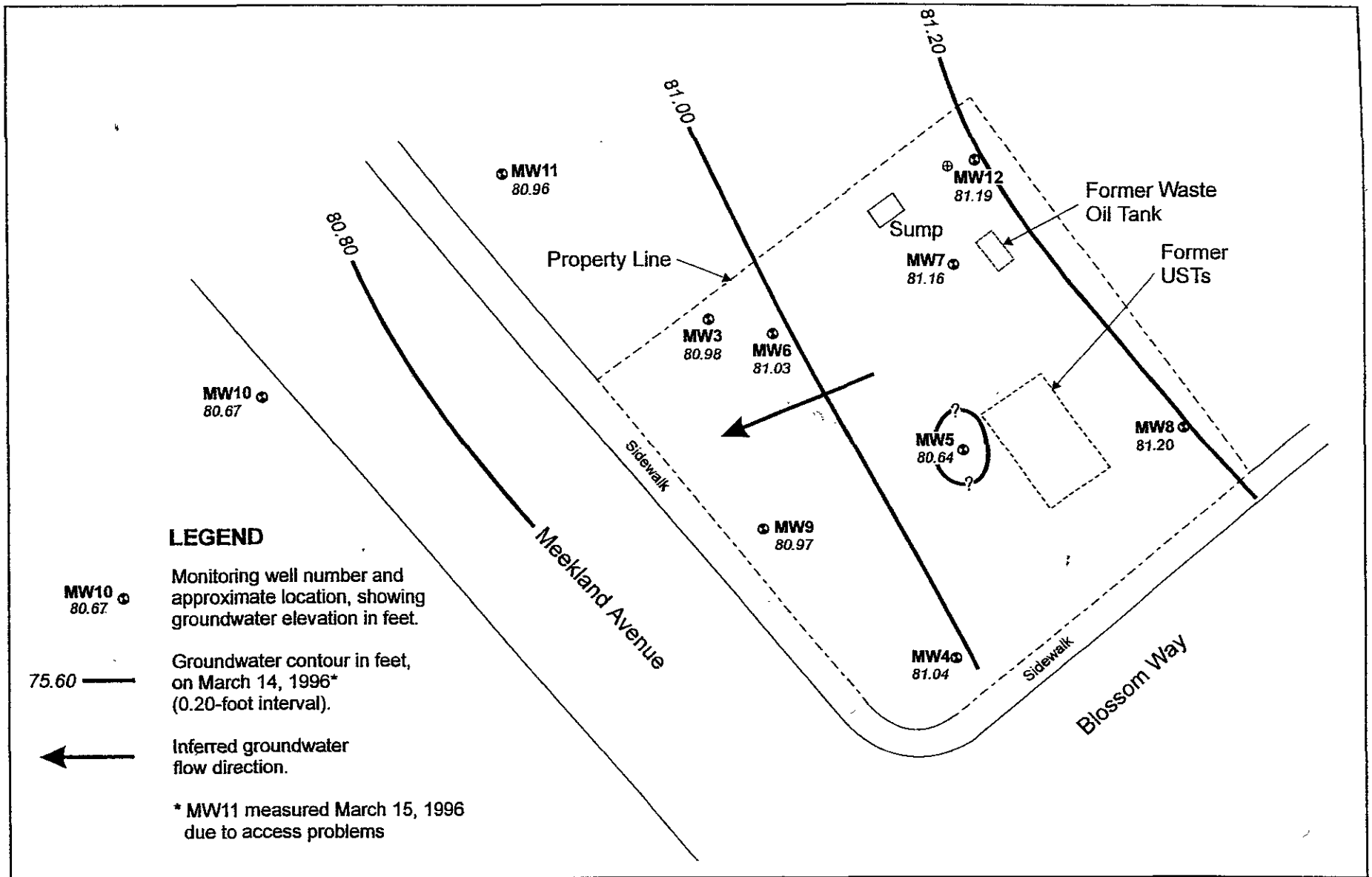
Groundwater Elevation and Contour Map

Harbert Transportation/Meekland Avenue
Hayward, California

9.19.95

FIGURE 3

PROJECT NO.	DRAWN	DATE	APPROVED	REVISED	DATE
grdwat.cdr	15,833.002	DFF	29 August 94	BJA	8 Nov 95



AGI TECHNOLOGIES

Groundwater Elevation and Contour Map

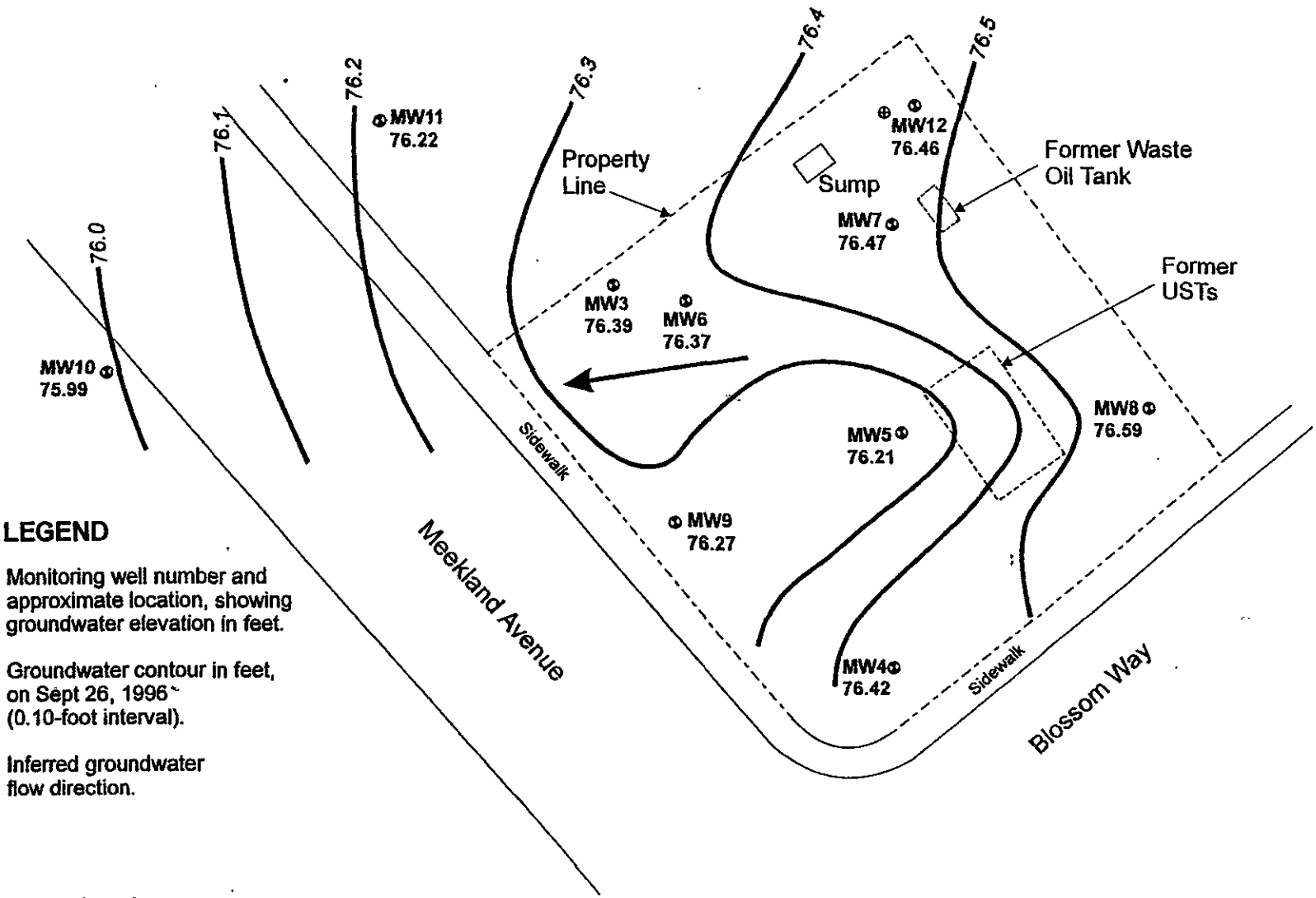
Harbert Transportation/Meekland Avenue
Hayward, California

3.14.96

FIGURE 3

PROJECT NO.	DRAWN	DATE	APPROVED	REVISED	DATE
15,833.002	DFF	29 August 94		ALW	15 Apr 96

gw-mar96.cdr



LEGEND

MW10 75.99 — Monitoring well number and approximate location, showing groundwater elevation in feet.

76.0 — Groundwater contour in feet, on Sept 26, 1996 (0.10-foot interval).

Inferred groundwater flow direction.

N

0 40

Scale in Feet

AGI TECHNOLOGIES

Groundwater Elevation and Contour Map

Harbert Transportation/Meekland Avenue
Hayward, California

9.26.96

FIGURE 3

PROJECT NO	DRAWN	DATE	APPROVED	REVISED	DATE
gw-sep96.cdr	15,833.002	DFF	29 August 94	ALW	15 Apr 96

Appendix C

Certified Analytical Report - Groundwater Samples

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes & Associates

RECEIVED OCT 21 2000

October 05, 2000

Chad Taylor
Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076

Order:	22490	**Date Collected:**	9/27/00
Project Name:	Harbert Transportation	**Date Received:**	9/28/00
Project Number:	H9042.Q	**P.O. Number:**	
Project Notes:			

On September 28, 2000, samples were received under documentented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method
Liquid	EPA 8260B	EPA 8260B
	TPH as Gasoline	EPA 8015 MOD. (Purgeable)

Case Narrative: Due to limitations of the LIMS system, the EPA 8260B analysis was reported with MDL limits instead of the normal reporting limits to reflect the appropriate J flags.

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-001 **Client Sample ID:** MW-3
Sample Time: 2:00 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	430		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	70	65 - 135

Order ID: 22490 **Lab Sample ID:** 22490-002 **Client Sample ID:** MW-4
Sample Time: 9:47 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	110	65 - 135

Order ID: 22490 **Lab Sample ID:** 22490-003 **Client Sample ID:** MW-5
Sample Time: 6:30 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	18000		50	50	2500	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	105	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-004 **Client Sample ID:** MW-6
Sample Time: 4:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1300		2	50	100	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	56	65 - 135

Order ID: 22490 **Lab Sample ID:** 22490-005 **Client Sample ID:** MW-7
Sample Time: 3:06 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	270		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	94	65 - 135

Order ID: 22490 **Lab Sample ID:** 22490-006 **Client Sample ID:** MW-8
Sample Time: 9:10 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	106	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-007 **Client Sample ID:** MW-9
Sample Time: 5:10 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1000		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	86	65 - 135

Order ID: 22490 **Lab Sample ID:** 22490-008 **Client Sample ID:** MW-10
Sample Time: 12:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	880		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	87	65 - 135

Order ID: 22490 **Lab Sample ID:** 22490-009 **Client Sample ID:** MW-11
Sample Time: 10:39 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	63		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	107	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-010 **Client Sample ID:** MW-12

Sample Time: 1:13 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	10/2/00	WGC4001002A	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	108	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-001 **Client Sample ID:** MW-3

Sample Time: 2:00 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2,4-Trimethylbenzene	9.3		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/3/00	WMS2001001	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-001 **Client Sample ID:** MW-3

Sample Time: 2:00 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/3/00	WMS2001001	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Ethyl Benzene	44		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
Isopropylbenzene	6.0		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
n-Propylbenzene	17		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-001 **Client Sample ID:** MW-3

Sample Time: 2:00 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/3/00	WMS2001001	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/3/00	WMS2001001	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	74	65 - 135
Dibromofluoromethane	99	65 - 135
Toluene-d8	121	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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120 Westgate Drive
Watsonville, CA 95076
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Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-002 **Client Sample ID:** MW-4

Sample Time: 9:47 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/1/00	WMS2001001	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 2346

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120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-002 **Client Sample ID:** MW-4

Sample Time: 9:47 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/1/00	WMS2001001	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

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Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-002 **Client Sample ID:** MW-4

Sample Time: 9:47 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2001001	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/1/00	WMS2001001	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98	65 - 135
Dibromofluoromethane	89	65 - 135
Toluene-d8	103	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-003 **Client Sample ID:** MW-5

Sample Time: 6:30 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,1-Trichloroethane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		100	0.4	40	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2-Trichloroethane	ND		100	0.4	40	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethane	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethene	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloropropene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichlorobenzene	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichloropropane	ND		100	1.2	120	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trichlorobenzene	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trimethylbenzene	750		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		100	1.2	120	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromoethane (EDB)	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichlorobenzene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloroethane	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloropropane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3,5-Trimethylbenzene	100	J	100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichlorobenzene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichloropropane	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
1,4-Dichlorobenzene	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
2,2-Dichloropropane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Butanone (MEK)	ND		100	4.7	470	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chlorotoluene	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Hexanone	ND		100	2.5	250	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Chlorotoluene	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		100	2.1	210	µg/L	10/1/00	WMS2000930	EPA 8260B
Acetone	ND		100	14	1400	µg/L	10/1/00	WMS2000930	EPA 8260B
Acrylonitrile	ND		100	0.8	80	µg/L	10/1/00	WMS2000930	EPA 8260B
Allyl Chloride	ND		100	0.6	60	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzene	840		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzyl Chloride	ND		100	0.7	70	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromobenzene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromochloromethane	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromodichloromethane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromoform	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

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CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
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Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-003 **Client Sample ID:** MW-5

Sample Time: 6:30 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		100	0.4	40	µg/L	10/1/00	WMS2000930	EPA 8260B
Carbon Disulfide	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Carbon Tetrachloride	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
Chlorobenzene	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroethane	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroform	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloromethane	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,2-Dichloroethene	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,3-Dichloropropene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		100	0.8	80	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromochloromethane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromomethane	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
Dichlorodifluoromethane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Diisopropyl Ether	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Benzene	1200		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Methacrylate	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
Hexachlorobutadiene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Iodomethane	ND		100	0.4	40	µg/L	10/1/00	WMS2000930	EPA 8260B
Isopropylbenzene	38	J	100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Methacrylonitrile	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl Methacrylate	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl-t-butyl Ether	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
Methylene Chloride	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Butylbenzene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Propylbenzene	100	J	100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Naphthalene	300	J	100	0.6	60	µg/L	10/1/00	WMS2000930	EPA 8260B
p-Isopropyltoluene	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
Pentachloroethane	ND		100	0.4	40	µg/L	10/1/00	WMS2000930	EPA 8260B
Propionitrile	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
sec-Butylbenzene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Styrene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Amyl Methyl Ether	ND		100	0.1	10	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butanol	ND		100	11	1100	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butyl Ethyl Ether	ND		100	0.5	50	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butylbenzene	ND		100	0.7	70	µg/L	10/1/00	WMS2000930	EPA 8260B
Tetrachloroethene	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-003 **Client Sample ID:** MW-5

Sample Time: 6:30 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	570		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,2-Dichloroethene	ND		100	0.3	30	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,3-Dichloropropene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		100	1.1	110	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichloroethene	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichlorofluoromethane	ND		100	0.2	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Vinyl Chloride	ND		100	0.4	40	µg/L	10/1/00	WMS2000930	EPA 8260B
Xylenes, Total	3500		100	0.6	60	µg/L	10/1/00	WMS2000930	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92	65 - 135
Dibromofluoromethane	96	65 - 135
Toluene-d8	106	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Weber, Hayes and Associates
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Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-004 **Client Sample ID:** MW-6

Sample Time: 4:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,1-Trichloroethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2-Trichloroethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethane	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloropropene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichlorobenzene	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichloropropane	ND		4	1.2	4.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trichlorobenzene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trimethylbenzene	50		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		4	1.2	4.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromoethane (EDB)	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichlorobenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloroethane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloropropane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3,5-Trimethylbenzene	13	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichlorobenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichloropropane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,4-Dichlorobenzene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
2,2-Dichloropropane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Butanone (MEK)	ND		4	4.7	18.8	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chlorotoluene	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Hexanone	ND		4	2.5	10	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Chlorotoluene	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		4	2.1	8.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Acetone	ND		4	14	56	µg/L	10/2/00	WMS2001001	EPA 8260B
Acrylonitrile	ND		4	0.8	3.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Allyl Chloride	ND		4	0.6	2.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzyl Chloride	ND		4	0.7	2.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromobenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromochloromethane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromodichloromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromoform	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-004 **Client Sample ID:** MW-6

Sample Time: 4:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Carbon Disulfide	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Carbon Tetrachloride	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Chlorobenzene	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroethane	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroform	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloromethane	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,2-Dichloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,3-Dichloropropene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		4	0.8	3.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromochloromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromomethane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Dichlorodifluoromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Diisopropyl Ether	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Benzene	200		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Methacrylate	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Hexachlorobutadiene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Iodomethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Isopropylbenzene	32		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Methacrylonitrile	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl Methacrylate	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl-t-butyl Ether	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Methylene Chloride	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Butylbenzene	10.0	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Propylbenzene	65		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Naphthalene	11	J	4	0.6	2.4	µg/L	10/2/00	WMS2001001	EPA 8260B
p-Isopropyltoluene	3.0	J	4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Pentachloroethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Propionitrile	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
sec-Butylbenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Styrene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Amyl Methyl Ether	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butanol	ND		4	11	44	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butyl Ethyl Ether	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butylbenzene	ND		4	0.7	2.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Tetrachloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Date: 10/05/00
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Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-004 **Client Sample ID:** MW-6

Sample Time: 4:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	4.3	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,2-Dichloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,3-Dichloropropene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		4	1.1	4.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichloroethene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichlorofluoromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Vinyl Chloride	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Xylenes, Total	17	J	4	0.6	2.4	µg/L	10/2/00	WMS2001001	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	65 - 135
Dibromofluoromethane	81	65 - 135
Toluene-d8	97	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-005 **Client Sample ID:** MW-7

Sample Time: 3:06 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trimethylbenzene	12		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/1/00	WMS2000930	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzene	13		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

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120 Westgate Drive
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Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-005 **Client Sample ID:** MW-7

Sample Time: 3:06 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/1/00	WMS2000930	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Benzene	11		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Toluene	6.6		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

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Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-005 **Client Sample ID:** MW-7

Sample Time: 3:06 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	65 - 135
Dibromofluoromethane	77	65 - 135
Toluene-d8	97	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-006 **Client Sample ID:** MW-8

Sample Time: 9:10 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/1/00	WMS2000930	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 10/05/00
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Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-006 **Client Sample ID:** MW-8

Sample Time: 9:10 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/1/00	WMS2000930	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

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Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-006 **Client Sample ID:** MW-8

Sample Time: 9:10 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94	65 - 135
Dibromofluoromethane	87	65 - 135
Toluene-d8	104	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-007 **Client Sample ID:** MW-9

Sample Time: 5:10 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,1-Trichloroethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2-Trichloroethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethane	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloropropene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichlorobenzene	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichloropropane	ND		4	1.2	4.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trichlorobenzene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trimethylbenzene	39		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		4	1.2	4.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromoethane (EDB)	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichlorobenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloroethane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloropropane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3,5-Trimethylbenzene	8.3	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichlorobenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichloropropane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
1,4-Dichlorobenzene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
2,2-Dichloropropane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Butanone (MEK)	ND		4	4.7	18.8	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chlorotoluene	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Hexanone	ND		4	2.5	10	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Chlorotoluene	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		4	2.1	8.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Acetone	ND		4	14	56	µg/L	10/2/00	WMS2001001	EPA 8260B
Acrylonitrile	ND		4	0.8	3.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Allyl Chloride	ND		4	0.6	2.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzene	40		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzyl Chloride	ND		4	0.7	2.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromobenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromochloromethane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromodichloromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromoform	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-007 **Client Sample ID:** MW-9

Sample Time: 5:10 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Carbon Disulfide	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Carbon Tetrachloride	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Chlorobenzene	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroethane	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroform	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloromethane	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,2-Dichloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,3-Dichloropropene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		4	0.8	3.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromochloromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromomethane	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Dichlorodifluoromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Diisopropyl Ether	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Benzene	110		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Methacrylate	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Hexachlorobutadiene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Iodomethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Isopropylbenzene	8.5	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Methacrylonitrile	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl Methacrylate	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl-t-butyl Ether	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
Methylene Chloride	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Butylbenzene	3.0	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Propylbenzene	16	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Naphthalene	31		4	0.6	2.4	µg/L	10/2/00	WMS2001001	EPA 8260B
p-Isopropyltoluene	5.6	J	4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Pentachloroethane	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Propionitrile	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
sec-Butylbenzene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Styrene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Amyl Methyl Ether	ND		4	0.1	0.4	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butanol	ND		4	11	44	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butyl Ethyl Ether	ND		4	0.5	2	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butylbenzene	ND		4	0.7	2.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Tetrachloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-007 **Client Sample ID:** MW-9

Sample Time: 5:10 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	MDL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	6.7	J	4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,2-Dichloroethene	ND		4	0.3	1.2	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,3-Dichloropropene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		4	1.1	4.4	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichloroethene	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichlorofluoromethane	ND		4	0.2	0.8	µg/L	10/2/00	WMS2001001	EPA 8260B
Vinyl Chloride	ND		4	0.4	1.6	µg/L	10/2/00	WMS2001001	EPA 8260B
Xylenes, Total	55		4	0.6	2.4	µg/L	10/2/00	WMS2001001	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92	65 - 135
Dibromofluoromethane	86	65 - 135
Toluene-d8	104	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-008 **Client Sample ID:** MW-10

Sample Time: 12:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/2/00	WMS2001001	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-008 **Client Sample ID:** MW-10

Sample Time: 12:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/2/00	WMS2001001	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-008 **Client Sample ID:** MW-10

Sample Time: 12:20 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	65 - 135
Dibromofluoromethane	79	65 - 135
Toluene-d8	93	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-009 **Client Sample ID:** MW-11

Sample Time: 10:39 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/2/00	WMS2001001	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

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CA ELAP# 2346

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Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-009 **Client Sample ID:** MW-11

Sample Time: 10:39 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/2/00	WMS2001001	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-009 **Client Sample ID:** MW-11

Sample Time: 10:39 AM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/2/00	WMS2001001	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94	65 - 135
Dibromofluoromethane	91	65 - 135
Toluene-d8	100	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-010 **Client Sample ID:** MW-12

Sample Time: 1:13 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Acetone	ND		1	100	100	µg/L	10/1/00	WMS2000930	EPA 8260B
Acrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Allyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Benzyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromoform	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

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Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-010 **Client Sample ID:** MW-12

Sample Time: 1:13 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Carbon Disulfide	ND		1	15	15	µg/L	10/1/00	WMS2000930	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloroform	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
cis-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Ethyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Iodomethane	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methacrylonitrile	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl Methacrylate	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Pentachloroethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Propionitrile	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Styrene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Toluene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle D. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94085 • (408) 735-1550 • Fax (408) 735-1554

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Chad Taylor

Date: 10/05/00
Date Received: 9/28/00
Project Name: Harbert Transportation
Project Number: H9042.Q
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 22490 **Lab Sample ID:** 22490-010 **Client Sample ID:** MW-12

Sample Time: 1:13 PM **Sample Date:** 9/27/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
trans-1,4-Dichloro-2-butene	ND		1	20	20	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	10/1/00	WMS2000930	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89	65 - 135
Dibromofluoromethane	95	65 - 135
Toluene-d8	107	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

Volatile Organic Compounds
Laboratory Control Sample

QC Batch #: WMS2001001
Matrix: Liquid
Units: µg/L

Date analyzed: 10/01/00
Spiked Sample: Blank Spike

PARAMETER	Method #	SA µg/L	SR µg/L	SP µg/L	SP %R	SPD µg/L	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
1,1- Dichloroethene	8240/8260	40	ND	35.1	**88**	28.7	**72**	20.1	25	50-150
Benzene	8240/8260	40	ND	40.8	**102**	39.0	**98**	4.5	25	50-150
Trichloroethene	8240/8260	40	ND	41.8	**105**	37.9	**95**	9.8	25	50-150
Toluene	8240/8260	40	ND	37.0	**93**	37.5	**94**	1.3	25	50-150
Chlorobenzene	8240/8260	40	ND	38.7	**97**	36.1	**90**	7.0	25	50-150
Surrogates										
Dibromofluoromethane	8240/8260		93%	94%		107%				65-135
Toluene-d8	8240/8260		103%	89%		108%				65-135
4-Bromofluorobenzene	8240/8260		97%	97%		87%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike Duplicate % Recovery

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

Volatile Organic Compounds
Laboratory Control Sample

QC Batch #: WMS2000930
Matrix: Liquid
Units: µg/L

Date analyzed: 09/30/00
Spiked Sample: Blank Spike

PARAMETER	Method #	SA µg/L	SR µg/L	SP µg/L	SP %R	RPD	QC LIMITS RPD	QC LIMITS %R
1,1- Dichloroethene	8240/8260	40	ND	34.5	**86**	N/A	25	50-150
Benzene	8240/8260	40	ND	41.3	**103**	N/A	25	50-150
Trichloroethene	8240/8260	40	ND	36.2	**91**	N/A	25	50-150
Toluene	8240/8260	40	ND	47.1	**118**	N/A	25	50-150
Chlorobenzene	8240/8260	40	ND	44.7	**112**	N/A	25	50-150
Surrogates								
Dibromofluoromethane	8240/8260		104%	100%				65-135
Toluene-d8	8240/8260		115%	108%				65-135
4-Bromofluorobenzene	8240/8260		112%	113%				65-135

Definition of Terms:

na: Not Analyzed in QC batch
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike Duplicate % Recovery

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: WGC4001002A
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 10/02/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	**SP % R**	SPD µg/Liter	**SPD %R**	% RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.2	ND	5.5	**106**	5.2	**101**	4.6	25	70-130
Toluene	8020	<0.50	29	ND	28	**97**	28	**96**	1.5	25	70-130
Ethyl Benzene	8020	<0.50	5.6	ND	5.2	**93**	5.1	**90**	2.4	25	70-130
Xylenes	8020	<0.50	32	ND	31	**97**	30	**92**	5.4	25	70-130
Gasoline	8015	<50.0	469	ND	489	**104**	460	**98**	6.1	25	70-130
aaa-TFT(S.S.)-FID	8020			117%	110%		113%				65-135
aaa-TFT(S.S.)-PID	8015			100%	98%		106%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- nc: Not Calculated

Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 (831) 662-3100
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CHAIN OF CUSTODY RECORD

(Page 1 of 1)

PROJECT NAME & ID#: Harbert Transportation / H9042.Q

LABORATORY: Entech Analytical Laboratory

CERTIFIED RESULTS TO: Chad Taylor (WHA)

TURNAROUND: ✓ NORMAL (5 days) ☐ RUSH

Sampled by: CT SAMPLE IDENTIFICATION	Depth (Feet bgs)	DATE	SAMPLE CONTAINERS				Analyses					
							TOTAL PETROLEUM HYDROCARBONS		VOLATILE ORGANICS		ADDITIONAL ANALYSES	
			VOA'S 40 ml. (HCL)	Amber JARS 1 Liter	POLY Bottle ___ ml.	Acetate or Brass SOIL LINERS	as Diesel by EPA Method 8015M	as Gas by EPA Method 8015M	BTEX and MTBE by EPA Method 8020	Full Scan by EPA Method 8260	Total Lead	
1 MW3	23.11'	9/27/00 1400	5					X		X	22470-001	
2 MW-4	23.30'	9/27/00 0947	5					X		X		002
3 MW-5	24.12'	9/27/00 1830	5					X		X		003
4 MW-6	24.65'	9/27/00 1620	5					X		X		004
5 MW-7	24.91'	9/27/00 1506	5					X		X		005
6 MW-8	24.24'	9/27/00 0916	5					X		X		006
7 MW-9	23.19'	9/27/00 1710	5					X		X		007
8 MW-10	22.91'	9/27/00 1220	5					X		X		008
9 MW-11	22.99'	9/27/00 1039	5					X		X		009
10 MW-12	24.04'	9/27/00 1313	5					X		X		010

Map/Comment

Please provide a maximum DLR of 5 ug/L for EPA Method 8260. Please use MDL for any diluted samples.

1) Sampler: [signature] 9/27/00 1900
-- Date/Time & Shipment Cond.: Refrigerated

2) Released by: [signature] 9/28/00 1045
-- Date/Time & Shipment Cond.: Refrigerated

3) Received
-- Date/Time & Shipment Cond.:

4) Released by: Oscar #375
-- Date/Time & Shipment Cond.:

5) Received by: Oscar #375
-- Date/Time & Shipment Cond.:

LABORATORY by: Mara Grisle 9/28/00 1145
-- Date/Time & Shipment Cond.:

Shipment Conditions: #1) Frozen; - #2) Ambient; & #3) Refrigerated

Other Organic Compounds Detected by EPA Method 8260
Harbert Transportation 3rd Quarter 2000 Groundwater Monitoring

Well	Chemical	Concentration	Water Quality Goals
MW-3	1,2,4-Trimethylbenzene	9.3 µg/L	None
	n-Propylbenzene	17 µg/L	None
MW-5	1,2,4-Trimethylbenzene	750 µg/L	None
	1,3,5-Trimethylbenzene	100 µg/L	None
	Isopropylbenzene	38 µg/L	None
	n-Propylbenzene	100 µg/L	None
	Napthalene	300 µg/L	170
MW-6	1,2,4-Trimethylbenzene	50 µg/L	None
	1,3,5-Trimethylbenzene	13 µg/L	None
	Isopropylbenzene	32 µg/L	None
	n-Butylbenzene	10.0 µg/L	70
	n-Propylbenzene	65 µg/L	None
	Napthalene	11 µg/L	170
	p-Isopropyltoluene	3.0 µg/L	None
MW-7	1,2,4-Trimethylbenzene	12 µg/L	None
MW-9	1,2,4-Trimethylbenzene	39 µg/L	None
	1,3,5-Trimethylbenzene	8.3 µg/L	None/Taste 15
	Isopropylbenzene	8.5 µg/L	None/Taste 0.8
	n-Butylbenzene	3.0 µg/L	70
	n-Propylbenzene	16 µg/L	None
	Napthalene	31 µg/L	170
	p-Isopropyltoluene	5.6 µg/L	None

µg/L = micrograms per liter = parts per billion, ppb.

Isopropylbenzene is also known as cumene.

Water Quality Goals from *A Compilation of Water Quality Goals*, Jon B. Marshak, Central Valley Regional Water Quality Control Board, August 2000.

The only compound that exceeds a water quality goal is Napthalene in well MW-5, which exceeds the California Department of Health Services (DHS) toxicity level of 170 ppb. MW-5 contains TPH-g at 18,000 µg/L, which exceeds the state Action Level of 1,000 µg/L. MW-5 also contains benzene, ethylbenzene, and xylenes at concentrations which exceed the respective state Maximum Contaminant Levels.

Appendix D

Summary of Historical Groundwater Analytical Results - AGI Technologies, Inc.

Table 2
Summary of Historical Groundwater Analytical Data
Harbert Transportation/Meekland Avenue
Hayward, California

AGI TECHNOLOGIES

Well	Date Sampled	EPA Test Methods										
		8015 Modified			8020				8010			Other
		TPH-G	TPH-D	TPH-MO	Benzene	Ethylbenzene	Toluene	Total Xylenes	TCE	PCE	1,2-DCA	
		µg/L			µg/L				µg/L			µg/L
MW1	07/86	42,000	NA	NA	5,500	NA	4,900	6,100	NA	NA	NA	
	03/90	27,000	NA	NA	2,700	491	840	800	ND	ND	ND	
	07/90	27,000	11,000	ND	4,000	ND	1,500	4,400	ND	ND	62	
	10/90	43,000	8,500	ND	3,400	1,200	2,700	5,300	0.4	ND	26	
	01/91	22,000	2,700	ND	3,000	990	1,800	2,800	ND	ND	27	
	04/91	42,000	3,100 [a]	NA	5,100	1,200	3,700	3,200	ND	ND	120	
	07/91	46,000	4,300 [a]	NA	6,500	830	2,900	3,700	ND	ND	64	
	10/91	27,000	4,300 [a]	NA	4,400	1,100	1,400	3,200	ND	ND	25	
	01/92	27,000	14,000 [a]	NA	3,300	1,200	1,600	3,800	ND	ND	24	
	04/92	33,000	11,000 [a]	NA	8,900	1,200	3,500	3,700	ND	ND	120	
	07/92	41,000	19,000 [a]	NA	5,600	1,300	2,600	4,000	ND	ND	49	
	10/92	33,000	3,500 [a]	NA	4,400	1,200	2,100	4,000	ND	ND	61	
MW3	11/89	29,000	NA	NA	4,600	680	1,100	1,100	ND	ND	36	Lead 40
	11/89	NA	NA	NA	NA	NA	NA	NA	ND	ND	36	Lead 40
	03/90	12,000	NA	NA	2,300	59	300	490	ND	ND	ND	
	07/90	7,300	990	ND	5,200	ND	440	480	ND	ND	67	
	10/90	6,200	970	ND	75	7.5	150	250	ND	ND	48	
	10/90	NA	NA	NA	NA	NA	NA	NA	ND	ND	22	Lead 3
	01/91	4,600	680	ND	2,200	220	110	89	ND	ND	40	
	04/91	8,300	640 [a]	NA	2,800	370	490	760	ND	ND	43	
	07/91	6,600	890 [a]	NA	2,000	250	230	380	ND	ND	29	
	10/91	6,300	1,700 [a]	NA	2,000	410	330	550	ND	ND	27	
	01/92	4,000	790 [a]	NA	1,200	250	60	200	ND	ND	22	
	04/92	7,400	1,800 [a]	NA	730	370	180	640	ND	ND	19	
	07/92	3,000	2,400 [a]	NA	190	ND	2.8	410	ND	ND	30	
	10/92	5,000	970 [a]	NA	1,300	320	45	340	ND	ND	26	
	01/93	2,300	680 [a]	NA (2)	630	180	31	330	ND	ND	13	
	06/93	5,000	1,100 [a]	ND	730	240	43	380	ND	ND	13	

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Harbert Transportation/Meekland Avenue
Hayward, California

AGI TECHNOLOGIES

Well	Date Sampled	EPA Test Methods										Other
		8015 Modified			8020				8010			
		TPH-G	TPH-D	TPH-MO	Benzene	Ethylbenzene	Toluene	Total Xylenes	TCE	PCE	1,2-DCA	
		µg/L			µg/L				µg/L			µg/L
MW4	11/89	ND	NA	NA	33	1.3	1	5.2	NA	NA	NA	Lead 12
	03/90	ND	NA	NA	7.4	2	2	1.1	ND	ND	ND	
	07/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	
	10/90	ND	ND	ND	ND	ND	ND	ND	0.7	ND	0.5	
	01/91	80	ND	ND	9.2	2.4	1.7	0.7	ND	ND	ND	
	04/91	1,400	130 [a]	NA	2,200	72	ND	17	ND	ND	ND	
	07/91	130	ND	NA	14	3.3	9.7	ND	ND	ND	0.81	
	10/91	ND	ND	NA	5.3	1	ND	0.8	ND	ND	ND	
	01/92	ND	ND	NA	6.8	1.3	ND	ND	ND	ND	ND	
	04/92	780	130 [a]	NA	ND	51	ND	4.8	ND	ND	1.6	
	07/92	ND	ND	NA	ND	ND	ND	ND	ND	ND	1.3	
	10/92	100	ND	NA	9.5	ND	ND	2.6	ND	ND	ND	
	01/93	960	240 [a]	NA	200	41	4.6	9.4	ND	ND	1	
	06/93	650	140 [a]	ND	150	21	ND	ND	ND	ND	3.7	
MW5	10/90	9,600	1,900	ND	1,200	70	160	520	ND	ND	22	Lead 3
	01/91	10,000	1,200	ND	1,600	720	200	510	ND	ND	33	
	04/91	18,000	860 [a]	NA	2,500	550	580	500	ND	ND	61	
	07/91	15,000	2,200 [a]	NA	4,800	610	1,100	760	ND	ND	62	
	10/91	14,000	3,300 [a]	NA	5,000	530	820	800	ND	ND	49	
	01/92	12,000	1,900 [a]	NA	4,300	390	380	590	ND	ND	56	
	04/92	23,000	6,400 [a]	NA	8,600	ND	2,600	1,900	ND	ND	125	
	07/92	27,000	5,900 [a]	NA	6,000	ND	1,500	1,600	ND	ND	93	
	10/92	13,000	2,100 [a]	NA	4,600	140	470	550	ND	ND	59	
	01/93	18,000	1,900 [a]	NA	5,800	560	1,900	1,600	ND	ND	110	
	01/93	19,000	2,100 [a]	NA	4,600	370	1,600	1,400	ND	ND	120	
	06/93	22,000	2,900 [a]	ND	8,300	740	2,500	1,900	ND	ND	110	
	06/93	23,000	2,300 [a]	ND	9,600	730	3,000	1,900	ND	ND	110	

Table 2
Summary of Historical Groundwater Analytical Data
Harbert Transportation/Meekland Avenue
Hayward, California

AGI TECHNOLOGIES

Well	Date Sampled	EPA Test Methods										Other
		8015 Modified			8020				8010			
		TPH-G	TPH-D	TPH-MO	Benzene	Ethylbenzene	Toluene	Total Xylenes	TCE	PCE	1,2-DCA	
		µg/L			µg/L				µg/L			µg/L
MW6	10/90	27,000	4,700	ND	2,700	450	2,900	3,300	ND	ND	40	Lead 9
	01/91	7,200	1,600	ND	1,400	ND	200	830	ND	ND	23	
	04/91	17,000	800 [a]	NA	2,800	610	1,200	1,800	ND	ND	53	
	07/91	11,000	1,400 [a]	NA	1,200	ND	380	750	ND	ND	29	
	10/91	4,800	1,600 [a]	NA	380	69	340	730	ND	ND	22	
	01/92	6,100	1,200 [a]	NA	460	180	200	590	ND	ND	26	
	04/92	7,200	1,800 [a]	NA	340	350	460	920	ND	ND	30	
	07/92	8,600	1,700 [a]	NA	1,300	380	280	1,100	ND	ND	35	
	10/92	1,600	110 [a]	NA	230	70	20	88	ND	ND	24	
	01/93	13,000	2,100 [a]	NA	2,500	370	540	2,400	ND	ND	36	
	06/93	7,400	1,900 [a]	ND	1,500	480	120	1,400	ND	ND	29	
MW7	10/90	14,000	2,700	ND	390	ND	18	1,200	ND	1.3	14	Lead 11
	01/91	4,500	1,400	ND	320	42	48	350	ND	ND	10	
	04/91	2,400	NA	NA	320	77	62	130	ND	0.6	11	
	07/91	2,000	910 [a]	NA	470	ND	24	88	ND	ND	9.7	
	10/91	ND	370 [a]	NA	ND	ND	ND	ND	ND	0.68	4.5	
	01/92	1,100	290 [a]	NA	230	45	7	88	ND	3.5	6.4	
	04/92	1,700	520 [a]	NA	310	78	28	170	ND	0.5	3.2	
	07/92	1,900	590 [a]	NA	410	78	21	170	ND	2.1	8.7	
	07/92 (dup)	1,200	700 [a]	NA	21	1	2.6	90	ND	2	8.2	
	10/92	1,800	320 [a]	NA	410	31	11	75	ND	1	7.4	
	01/93	2,100	660 [a]	NA	390	100	21	270	ND	0.6	3.7	
	06/93	4,400	1,100 [a]	ND	830	330	49	620	ND	ND	8.6	

Table 2
Summary of Historical Groundwater Analytical Data
Harbert Transportation/Meekland Avenue
Hayward, California

AGI TECHNOLOGIES

Well	Date Sampled	EPA Test Methods										Other
		8015 Modified			8020				8010			
		TPH-G	TPH-D	TPH-MO	Benzene	Ethylbenzene	Toluene	Total Xylenes	TCE	PCE	1,2-DCA	
		µg/L			µg/L				µg/L			µg/L
MW8	02/91	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	
	04/91	ND	ND	NA	ND	ND	ND	ND	ND	0.5	ND	
	07/91	ND	ND	NA	ND	ND	2	ND	ND	1.2	ND	
	10/91	ND	ND	NA	ND	ND	0.6	ND	ND	0.4	ND	
	01/92	ND	ND	NA	ND	ND	ND	ND	ND	0.68	ND	
	04/92	ND	ND	NA	ND	ND	ND	ND	ND	0.8	ND	
	07/92	ND	ND	NA	ND	ND	3.3	ND	ND	1.6	ND	
	10/92	ND	ND	NA	ND	ND	ND	ND	ND	1.4	ND	
	01/93	ND	ND	NA	ND	ND	ND	ND	ND	0.8	ND	
	06/93	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	
MW9	02/91	6,000	1,600	NA	180	19	170	200	ND	ND	13	
	04/91	4,200	410 [a]	NA	520	130	410	580	ND	ND	26	
	07/91	1,900	180 [a]	NA	190	12	52	77	ND	6.5	12	
	10/91	880	300 [a]	NA	160	31	44	83	ND	ND	10	
	01/92	380	120 [a]	NA	14	7.6	2.2	14	ND	ND	9.6	
	04/92	2,900	700 [a]	NA	510	80	260	260	ND	ND	11	
	07/92	4,400	1,300 [a]	NA	860	210	340	640	ND	ND	22	
	10/92	200	290 [a]	NA	6.8	1.4	2.1	7.8	ND	ND	12	
	01/93	8,500	740 [a]	NA	2,400	390	620	1,500	ND	ND	29	
	06/93	8,200	1,300 [a]	ND	2,400	360	480	1,500	ND	ND	29	
MW10	01/92	13,000	3,700 [a]	NA	130	580	110	3,000	ND	ND	33	
	05/92	15,000	5,000 [a]	NA	180	ND	18	2,700	ND	ND	20	
	05/92 (dup)	13,000	7,500 [a]	NA	240	490	65	2,500	ND	ND	22	
	07/92	8,100	4,400 [a]	NA	74	360	ND	1,100	ND	ND	29	
	10/92	3,200	1,500 [a]	NA	ND	ND	ND	320	ND	ND	25	
	01/93	7,500	2,200 [a]	NA	130	170	20	710	ND	ND	18	
	06/93	8,000	2,100 [a]	ND	69	7.9	ND	490	ND	ND	16	

Table 2
Summary of Historical Groundwater Analytical Data
Harbert Transportation/Meekland Avenue
Hayward, California

AGI TECHNOLOGIES

Well	Date Sampled	EPA Test Methods: 8015 Modified TPH-G µg/L	TPH-D µg/L	TPH-MO	8020 Benzene µg/L	Ethylbenzene	Toluene	Total Xylenes	8010 TCE µg/L	PCE	1,2-DCA	Other µg/L
MW11	01/92	8,200	3,200 [a]	NA	23	250	ND	1,100	ND	ND	ND	
	04/92	160	1,200 [a]	NA	ND	ND	ND	ND	ND	ND	ND	
	07/92	2,100	710 [a]	NA	39	100	2.3	53	ND	ND	ND	
	10/92	660	220 [a]	NA	2.9	19	ND	3.8	ND	ND	ND	
	10/92	770	230 [a]	NA	3.2	26	ND	5.7	ND	ND	ND	
	01/93	780	370 [a]	NA	10	2.1	ND	39	ND	ND	ND	
	06/93	2,500	160 [a]	ND	27	99	ND	34	ND	ND	ND	
MW12	12/92	2,800	1,700 [a]	NA	14	ND	ND	ND	ND	ND	ND	
	06/93	1,100	750 [a]	ND	19	21	ND	57	ND	ND	ND	
B1	01/93	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	
	06/93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
F3	02/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Well Abandoned	12/89	1,800	NA	NA	200	24	18	34	ND	ND	0.15	Lead 2,100
Average [b]		8,865	1,883	250	1,562	235	517	871	0.21	0.41	24.8	
Laboratory Detection Limit		50	50	500	0.5	0.5	0.5	0.5	0.4	0.4	0.4	

Notes:

a) The detection for petroleum hydrocarbons as diesel appears to be due to the presence of lighter hydrocarbons rather than diesel.
b) Average of sampled data, ND equals 1/2 detection limit.
µg/L - Micrograms per liter is approximately equivalent to parts per billion, depending on density of water.
NA - Not analyzed.
ND - Not detected.
TPH-G - Total petroleum hydrocarbons quantified as gasoline.
TPH-D - Total petroleum hydrocarbons quantified as diesel.
TPH-MO - Total petroleum hydrocarbons quantified as motor oil.
TCE - Trichloroethylene.
PCE - Tetrachloroethylene.
1,2-DCA - 1,2-Dichloroethane.

AGI TECHNOLOGIES

Table 2
Summary of Groundwater Chemical Analyses
Harbert Transportation/Meekland Avenue
Hayward, California

Well	Date Sampled	EPA Test Methods								
		8015 M		BETX 5030/8020				8010		
		TPH Gasoline µg/L	TPH Diesel µg/L	Benzene	Ethylbenzene	Toluene	Xylenes	1,2-DCA	PCE	TCE
				µg/L				µg/L	µg/L	µg/L
MW3	07/28/94	7,700	970 [a]	1,800	810	ND	600	22	ND	ND
	10/21/94	7,400	810	1,900	900	37	780	25	ND	ND
	09/15/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW4	07/28/94	120	ND	7.9	0.7	1.1	ND	ND	ND	ND
	10/21/94	69	ND	3.4	ND	ND	ND	ND	ND	ND
	09/15/95	110	ND	2.5	ND	0.85	ND	2.3	ND	ND
	03/14/96	300	69 [b]	3.3	0.74	ND	ND	1.6	ND	ND
	09/26/96	ND	ND	ND	ND	ND	ND	1.2	ND	ND
MW5	07/29/94	30,000	2,200 [a]	9,300	1,100	1,800	2,300	110	ND	ND
	10/21/94	23,000	1,500	7,900	780	1,500	2,900	85	ND	ND
	09/15/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW6	07/29/94	15,000	2,100 [b]	3,100	1,100	71	2,000	37	ND	ND
	10/21/94	18,000	1,500	3,900	1,200	170	3,200	35	ND	ND
	09/15/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW7	07/29/94	2,600	530 [c]	470	220	ND	310	2.7	6	ND
	10/21/94	1,700	280	290	140	4.5	240	1.8	0.74	ND
	09/15/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/96	NS	NS	NS	NS	NS	NS	NS	NS	NS

AGI TECHNOLOGIES

Table 2
Summary of Groundwater Chemical Analyses
Harbert Transportation/Meekland Avenue
Hayward, California

Well	Date Sampled	EPA Test Methods								
		8015 M		BETX 5030/8020				8010		
		TPH Gasoline	TPH Diesel	Benzene	Ethylbenzene	Toluene	Xylenes	1,2-DCA	PCE	TCE
		µg/L	µg/L	µg/L				µg/L	µg/L	µg/L
MW8	07/28/94	ND	78 [a]	ND	ND	ND	ND	ND	ND	ND
	10/21/94	ND	ND	ND	ND	ND	ND	ND	0.72	ND
	09/15/95	ND	ND	ND	ND	ND	ND	ND	0.74	ND
	03/14/96	ND	ND	ND	ND	ND	ND	ND	0.63	ND
	09/26/96	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW9	07/28/94	6,000	1,300 [c]	90	170	27	370	26	ND	ND
	10/21/94	6,900	600	1,800	280	220	1,500	31	ND	ND
	09/15/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW10	07/28/94	6,700	2,000 [c]	99	180	57	430	13	ND	ND
	10/21/94	8,600	2,000	93	200	ND	680	12	ND	ND
	09/15/95	2,100	1,900	9.9	49	ND	4.9	ND	ND	ND
	03/14/96	6,800	2,000 [b]	64	98	ND	33	6.5	ND	ND
	09/26/96	7,100	420	140	210	ND	32	9.1	ND	5.9
MW11	07/28/94	450	150 [a]	6.2	20	1.1	6.6	ND	ND	ND
	10/21/94	460	190	4.9	14	ND	12	ND	ND	ND
	09/15/95	9,600	550	130	180	ND	130	8.8	ND	5.6
	03/15/96	780	310 [b]	0.74	25	ND	1.8	ND	ND	ND
	09/26/96	480	710	ND	50	ND	ND	ND	ND	ND

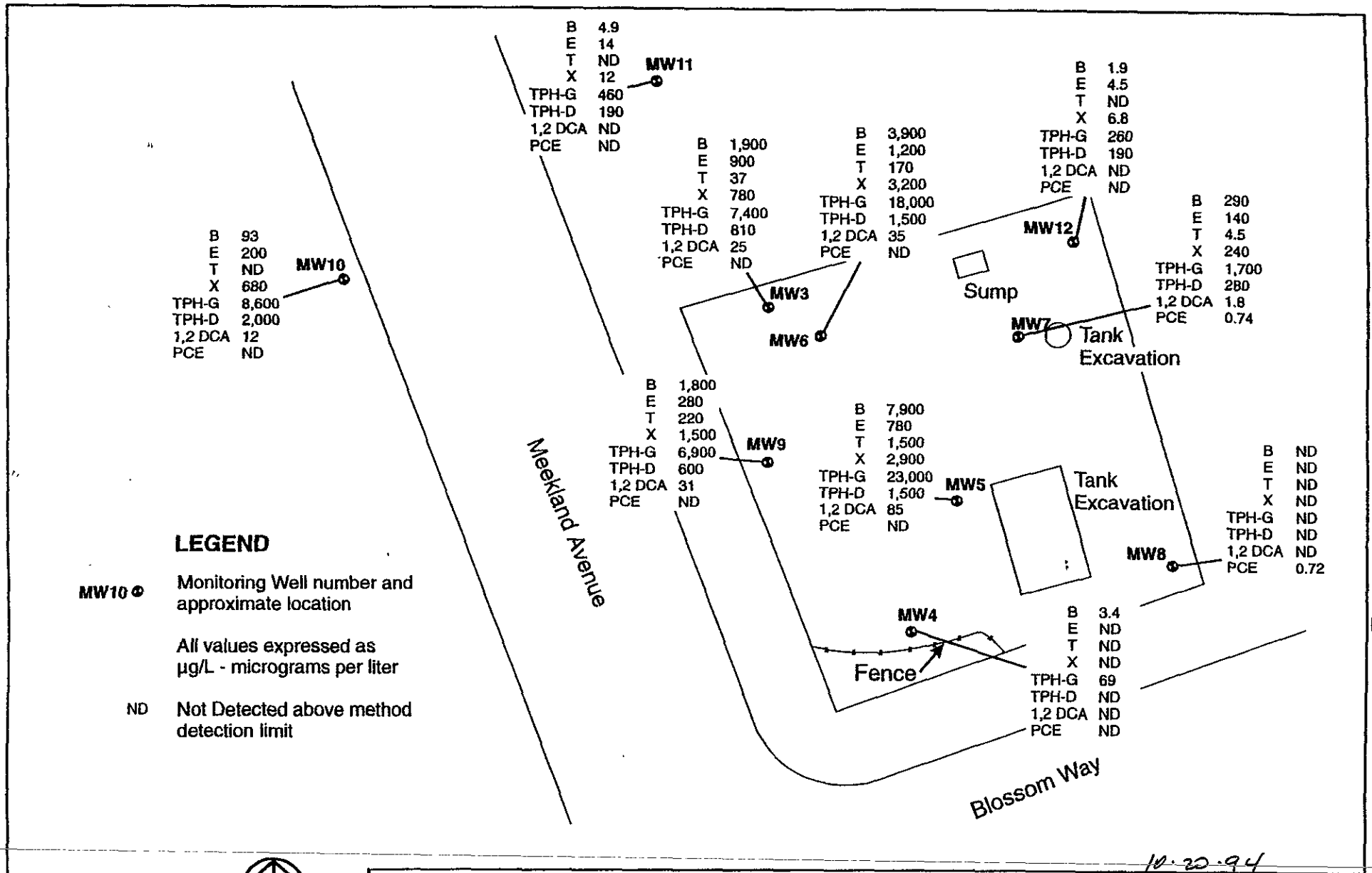
AGI TECHNOLOGIES

Table 2
Summary of Groundwater Chemical Analyses
Harbert Transportation/Meekland Avenue
Hayward, California

Well	Date Sampled	EPA Test Methods								
		8015 M		BETX 5030/8020				8010		
		TPH Gasoline	TPH Diesel	Benzene	Ethylbenzene	Toluene	Xylenes	1,2-DCA	PCE	TCE
		µg/L	µg/L	µg/L				µg/L	µg/L	µg/L
MW12	07/28/94	240	160	1.9	12	ND	5.8	ND	ND	ND
	10/21/94	260	190	1.9	4.5	ND	6.8	ND	ND	ND
	09/15/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
Method Detection Limit		50	50	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Notes:

a) Hydrocarbons quantified as diesel are primarily due to discrete peaks not indicative of diesel fuel.
b) Hydrocarbons quantified as diesel are primarily due to the presence of a lighter petroleum product (C_6-C_{12}), possibly gasoline.
c) Hydrocarbons quantified as diesel are due to the presence of a lighter petroleum product (C_6-C_{12}) and discrete peaks not indicative of diesel fuel.
1,2-DCE - 1,2-dichloroethane.
PCE - Tetrachloroethene.
TCE - Trichloroethene.
ND - Not detected at or above method detection limit.
NS - Not sampled.
TPH-Gasoline - Total petroleum hydrocarbons quantified as gasoline.
TPH-Diesel - Total petroleum hydrocarbons quantified as diesel.
µg/L - Micrograms per liter, equivalent to parts per billion.



10-20-94

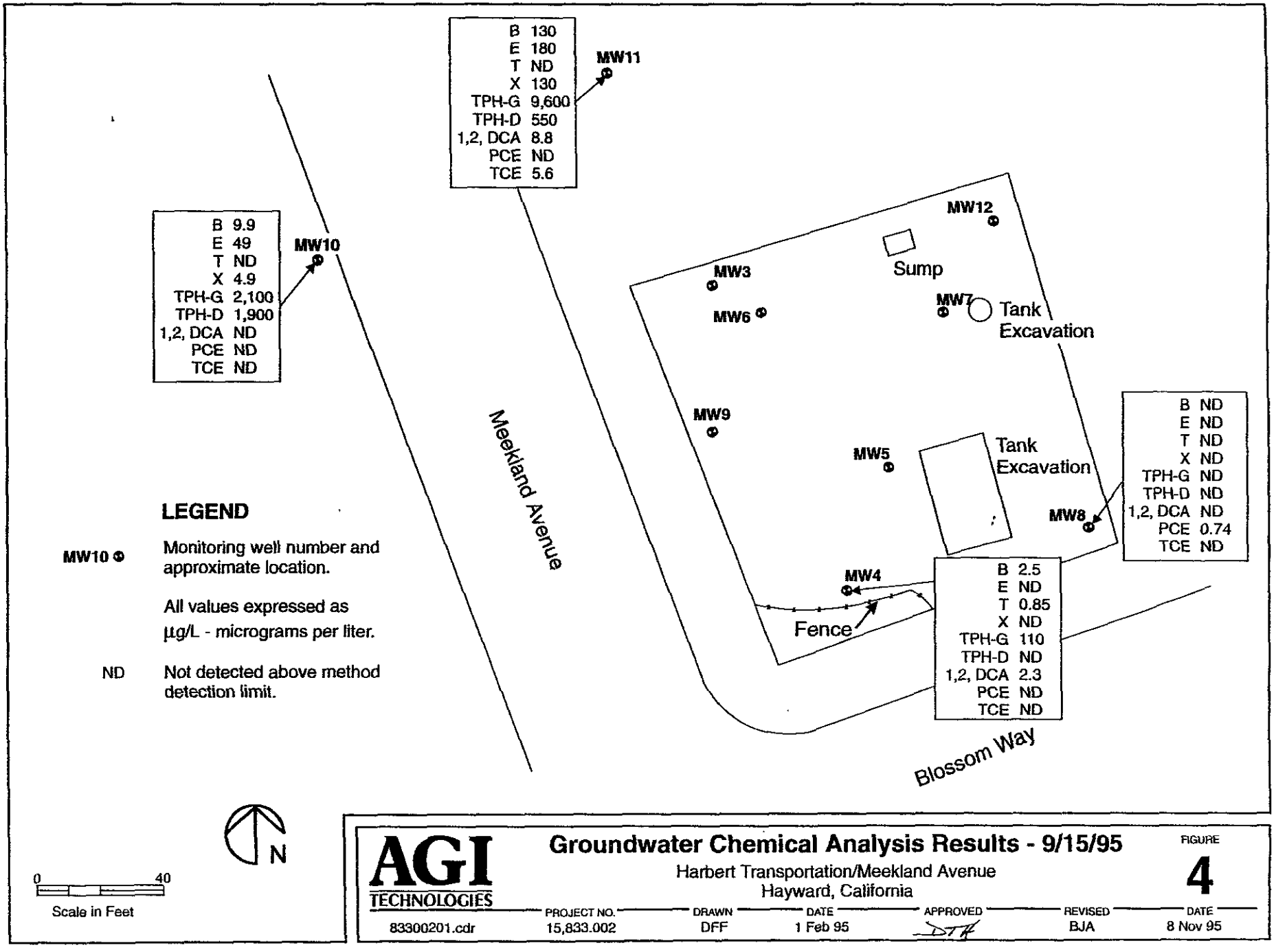
AGI TECHNOLOGIES

Site Plan

Harbert Transportation/Meekland Avenue
Hayward, California

FIGURE 4

PROJECT NO.	DRAWN	DATE	APPROVED	REVISED	DATE
siteplan.cdr	15,833.002	DFF/ALW	01 February 95		



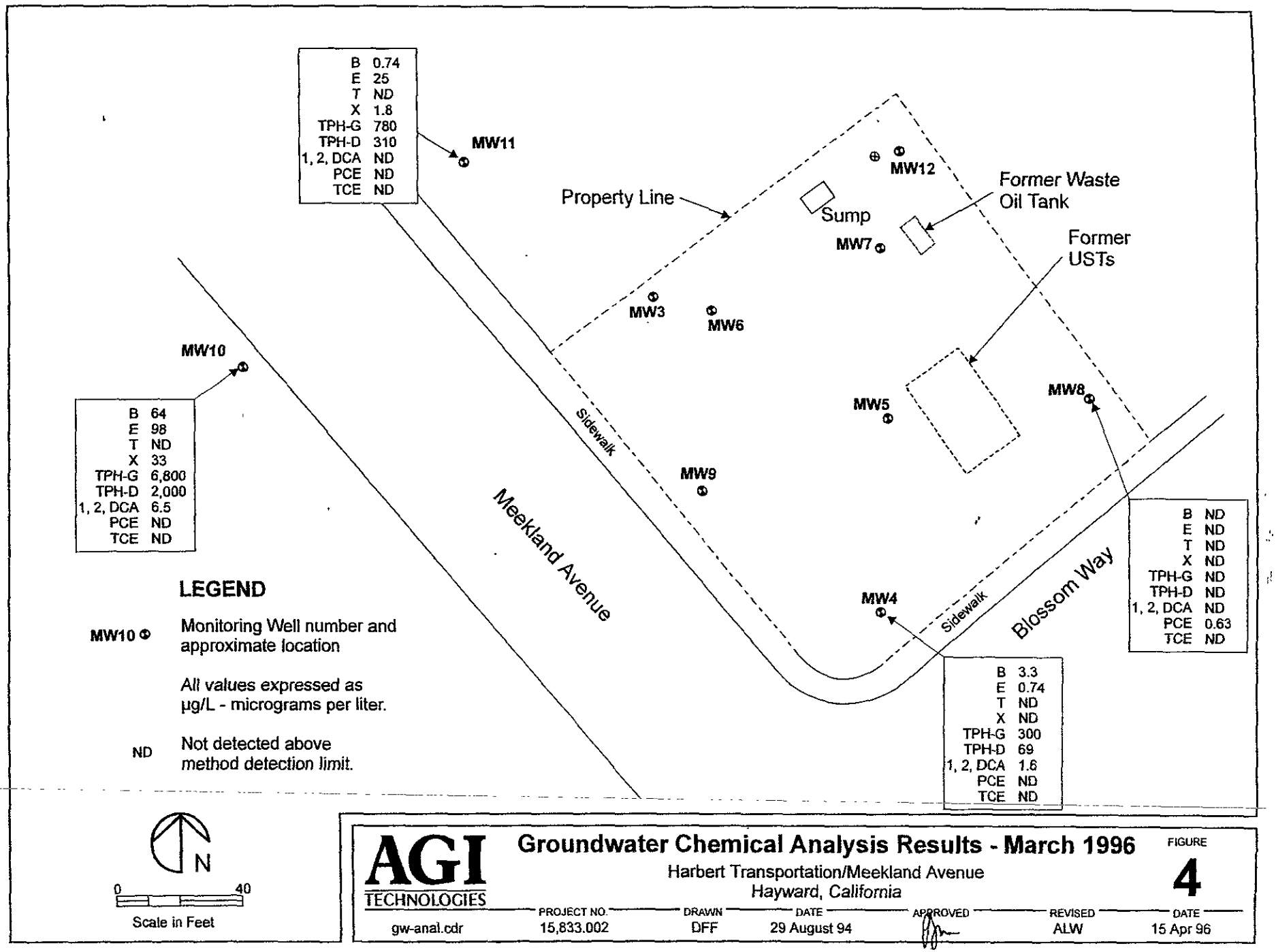
AGI TECHNOLOGIES

Groundwater Chemical Analysis Results - 9/15/95

Harbert Transportation/Meekland Avenue
Hayward, California

FIGURE 4

PROJECT NO.	DRAWN	DATE	APPROVED	REVISED	DATE
83300201.cdr	15,833.002	DFF	1 Feb 95	BJA	8 Nov 95

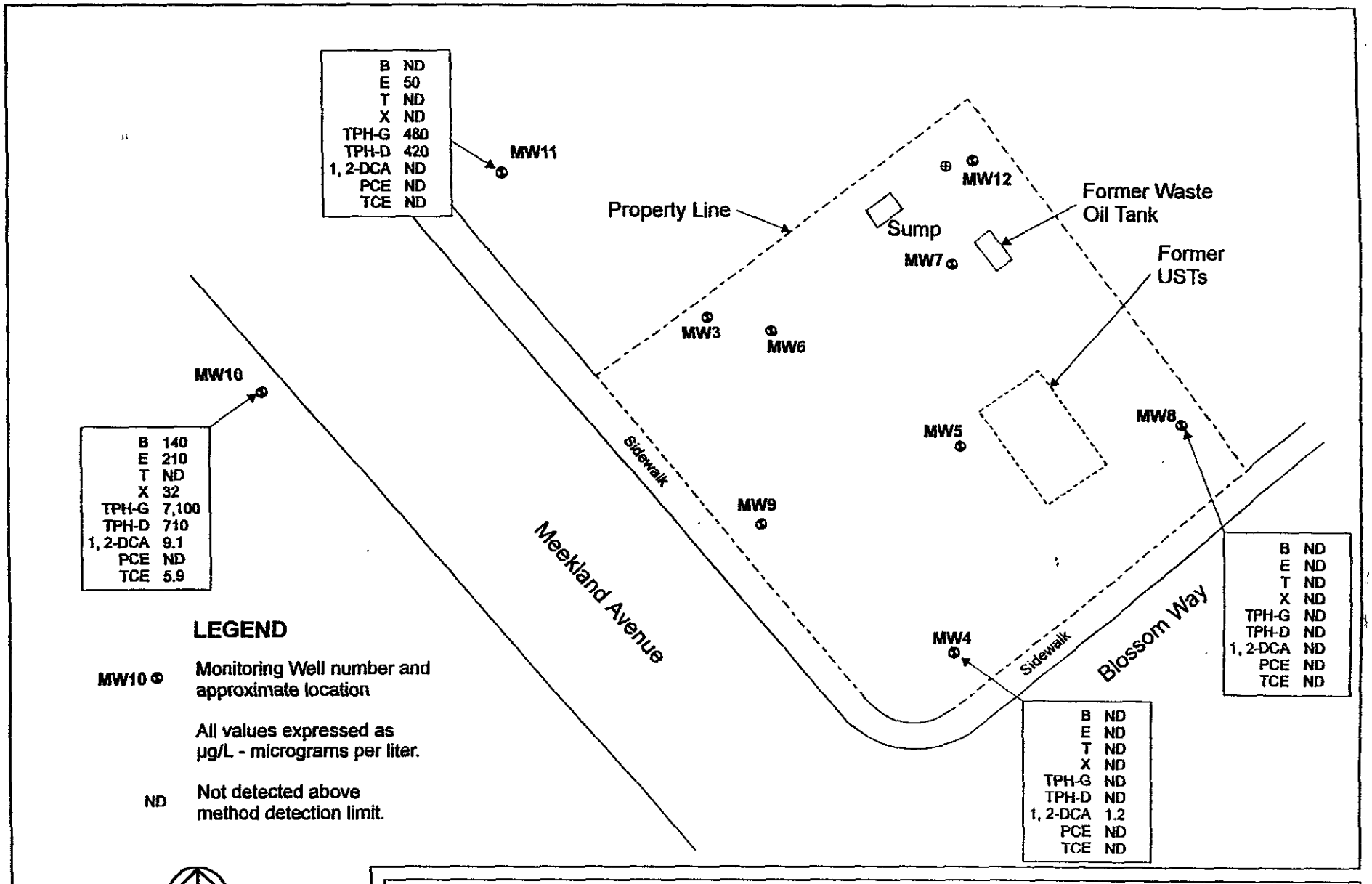


Groundwater Chemical Analysis Results - March 1996

Harbert Transportation/Meekland Avenue
Hayward, California

FIGURE 4

AGI TECHNOLOGIES	PROJECT NO.	DRAWN	DATE	APPROVED	REVISED	DATE
gw-anal.cdr	15,833.002	DFF	29 August 94		ALW	15 Apr 96



Groundwater Chemical Analysis Results - September 1996

FIGURE 4

AGI TECHNOLOGIES

Harbert Transportation/Meekland Avenue
Hayward, California

PROJECT NO.	DRAWN	DATE	APPROVED	REVISED	DATE
gw-anal.cdr	15,833.002	DFF	29 August 94	ALW	15 Apr 96

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00 NOV 14 AM 11:40

Letter of Transmittal

response to 11/14 mail

to: Jeffrey S. Lawson, Esq.
Silicon Valley Law Group
152 North Third Street, Suite 900
San Jose, California 95112

from: Craig Drizin

re: Harbert Transportation, 19984 Meekland Avenue, Hayward, California

date: November 9, 2000

Number of Copies	*Date of Documents*	*Description*
2	November 10, 2000	Third Quarter 2000 Groundwater Monitoring Report

c: Mr. Jerry Harbert
46765 Mountain Cove Drive
Indian Wells, California 92210

Mr. Gregg Petersen
Durham Transportation
9011 Mountain Ridge Drive, Travis Building, Suite 200
Austin, Texas 78759 - 7275

Amir K. Gholami
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502 - 6577

Mr. Chuck Headlee
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612

STID 1879

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