

DEPARTMENT OF TRANSPORTATION

BOX 23660
OAKLAND, CA 94623-0660
(510) 286-4444
TDD (510) 286-4454



October 23, 1996

2189

Mr. Barney Chan, Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

SSS Hwy Rd (21)

Subject: Quarterly Groundwater Monitoring Report For Hegenberger Maintenance Station

Dear Mr. Chan:

Enclosed is the groundwater monitoring report for the August 1996 sampling and analysis at the above referenced site in Oakland. This is the third quarter of groundwater sampling after the installation and initial sampling of the wells in September/October 1995. Geocon, the consultant carrying out the groundwater study, is scheduled to conduct one more sampling session at the site next month. If you have any comments or questions regarding the report or the site, please call me at 286-5647.

Sincerely,

Christopher R. Wilson

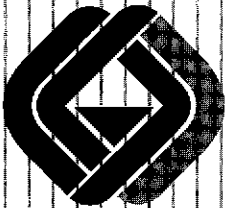
Christopher R. Wilson, P.E.
Office of Environmental Engineering

Enclosure
cc: file

PHG BTEX has not
stabilized yet, keep monitoring
water time from site to analysis
(10 days).

GROUNDWATER MONITORING REPORT
THIRD QUARTER 1996

HEGENBERGER MAINTENANCE STATION
OAKLAND, CALIFORNIA



GEOCON

GEOTECHNICAL
&
ENVIRONMENTAL
CONSULTANTS

PREPARED FOR

CALIFORNIA DEPARTMENT OF TRANSPORTATION
OAKLAND, CALIFORNIA

CALTRANS CONTRACT NO. 53W202
TASK ORDER NO. 04-5T9000-01

GEOCON PROJECT NO. S8100-06-34

OCTOBER 1996

ENVIRONMENTAL
PROTECTION
96 OCT 24 PM 2:02

The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.



Project No. S8100-06-34
October 16, 1996

California Department of Transportation
District 4
P.O. Box 23660
Oakland, California 94623

Attention: Mr. Christopher Wilson

Subject: HEGENBERGER MAINTENANCE STATION
OAKLAND, CALIFORNIA
CONTRACT NO. 53W202
TASK ORDER NO. 04-5T9000-01
GROUNDWATER MONITORING REPORT-THIRD QUARTER 1996

Dear Mr. Wilson:

In accordance with Caltrans Contract No. 53W202 and Task Order No. 04-5T9000-01, Geocon Environmental Consultants, Inc. (Geocon) has completed Third Quarter 1996 groundwater monitoring services at the subject site. The scope of services provided by Geocon included groundwater level measurements, the sampling of five monitoring wells, and the submittal of the water samples to a California-certified laboratory for analytical testing.

The site is located east of Route 880 at 555 Hegenberger Road in Oakland, California. The approximate location of the site is depicted on the attached Vicinity Map, Figure 1.

PROJECT SCOPE

Groundwater Elevation Measurements

A representative of Geocon measured groundwater levels and sampled for the presence of free product within existing groundwater monitoring wells MW-1 through MW-5 on August 26, 1996. Free product was not detected in any of the wells.

Groundwater was encountered at depths ranging from 5.72 to 6.14 feet below the top of the well casings. A review of the last reported groundwater level measurements performed in April 1996 indicates that groundwater levels have decreased an average of 0.25 foot with the exception of MW-3 which increased approximately 0.13 foot. Based on the August 26, 1996 groundwater elevation data, the groundwater flow is directed to the north-northwest with an approximate gradient of 0.025 ft/ft. The interpreted groundwater flow direction and elevation contours are depicted on Figure 2, Groundwater Elevation Map - August 1996. The August 1996 groundwater flow direction and gradient are similar to those measured and evaluated quarterly since October 1995. A summary of the top of well casing elevations, groundwater level measurements and elevations is presented on Table 1.

Well Purging and Sampling

Approximately three casing volumes of water (approximately 21 to 28 gallons) were purged from each monitoring well on August 26, 1996. During purging, the pH, temperature, and electrical conductivity of the groundwater were measured and the purging was considered complete when these parameters stabilized to within approximately 10 percent. Extracted groundwater was contained in DOT 17-H 55-gallon drums which were labeled and stored onsite pending receipt of laboratory analysis and subsequent disposal following regulatory protocols. Following well purging, water samples were collected from each well using polyethylene disposable bailers. The samples were decanted into three pre-preserved 40-ml volatile organic analyses (VOA) vials equipped with teflon septums, and two one-liter amber bottles. The groundwater samples and a travel blank consisting of one pre-preserved 40-ml VOA vial were sealed, labeled and placed in an ice chest containing blue ice and subsequently transported to Advanced Technology Laboratories (ATL), located in Signal Hill, California, using standard chain-of-custody documentation. Monitoring Well Sampling Data sheets are presented in Appendix A.

Laboratory Analyses

The water samples were submitted to ATL for the analysis of total petroleum hydrocarbons as gasoline and diesel fuel (TPHg and TPHd) following EPA Test Method 8015 modified, and benzene, toluene, ethylbenzene and total xylenes (BTEX) following EPA Test Method 8020. A summary of the TPHg, TPHd and BTEX analyses is presented on Table 1. Copies of the laboratory reports and chain-of-custody documentation are presented in Appendix B.

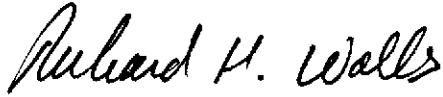
Analytical Results

The results of laboratory tests indicate that TPHg was detected in wells MW-1 and MW-3 through MW-5 at concentrations ranging from 300 to 3,800 micrograms per liter ($\mu\text{g/l}$). TPHd was detected in wells MW-1 and MW-3 through MW-5 at concentrations ranging from 70 to 430 $\mu\text{g/l}$. BTEX was detected in wells MW-1 and MW-3 through MW-5 at concentrations ranging from 0.9 to 780 $\mu\text{g/l}$. The maximum concentrations of the target compounds were detected in well MW-1. Nondetected concentrations of the target compounds were reported for well MW-2 and for total xylenes in well MW-4. After fluctuations in the concentrations of the target compounds over the last three quarters, concentrations decreased this quarter for each of the wells for each of the target compounds with the exception of total xylenes in well MW-1 and TPHd in well MW-4. TPHg and benzene concentrations are depicted on Figure 3, TPHg and Benzene Concentrations in Groundwater - August 1996. A cumulative summary of groundwater analytical data is presented on Table 1.

If you have any questions concerning the contents of this groundwater monitoring report, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON ENVIRONMENTAL CONSULTANTS, INC.



Richard H. Walls, PE
Senior Remediation Engineer

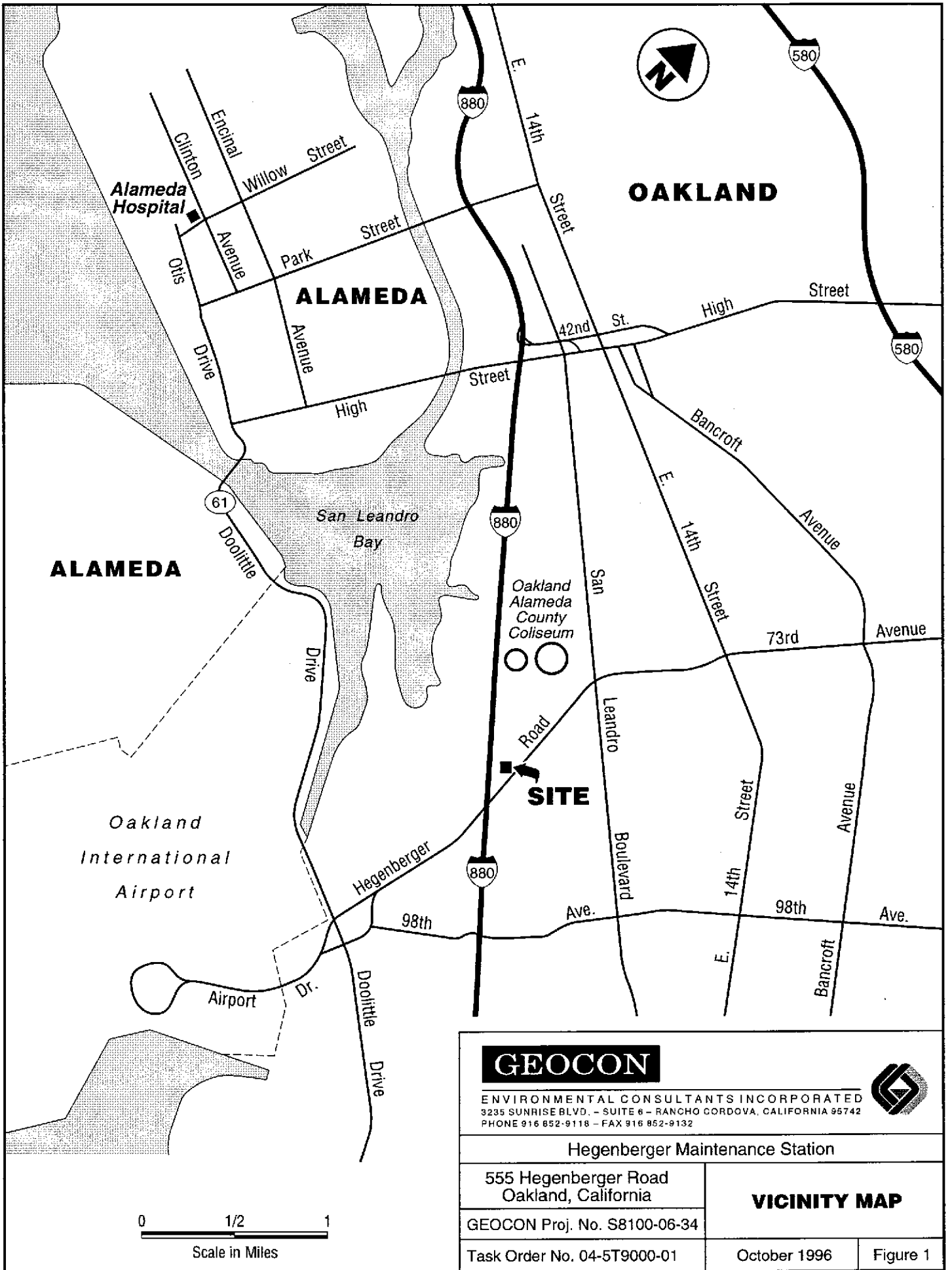


Rebecca L. Silva
Senior Staff Environmental Scientist

RLS:RHW:ds

(3) Addressee

Attachments: Figure 1 - Vicinity Map
Figure 2 - Groundwater Elevation Map - August 1996
Figure 3 - TPHg and Benzene Concentrations in Groundwater - August 1996
Table 1 - Cumulative Summary of Groundwater Elevation and Analytical Data
Appendix A: Monitoring Well Sampling Data Sheets
Appendix B: Laboratory Reports and Chain of Custody Documentation



GEOCON

ENVIRONMENTAL CONSULTANTS INCORPORATED
 3235 SUNRISE BLVD. - SUITE 6 - RANCHO CORDOVA, CALIFORNIA 95742
 PHONE 916 852-9118 - FAX 916 852-9132



Hegenberger Maintenance Station

555 Hegenberger Road
 Oakland, California

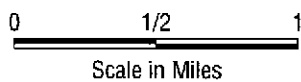
VICINITY MAP

GEOCON Proj. No. S8100-06-34

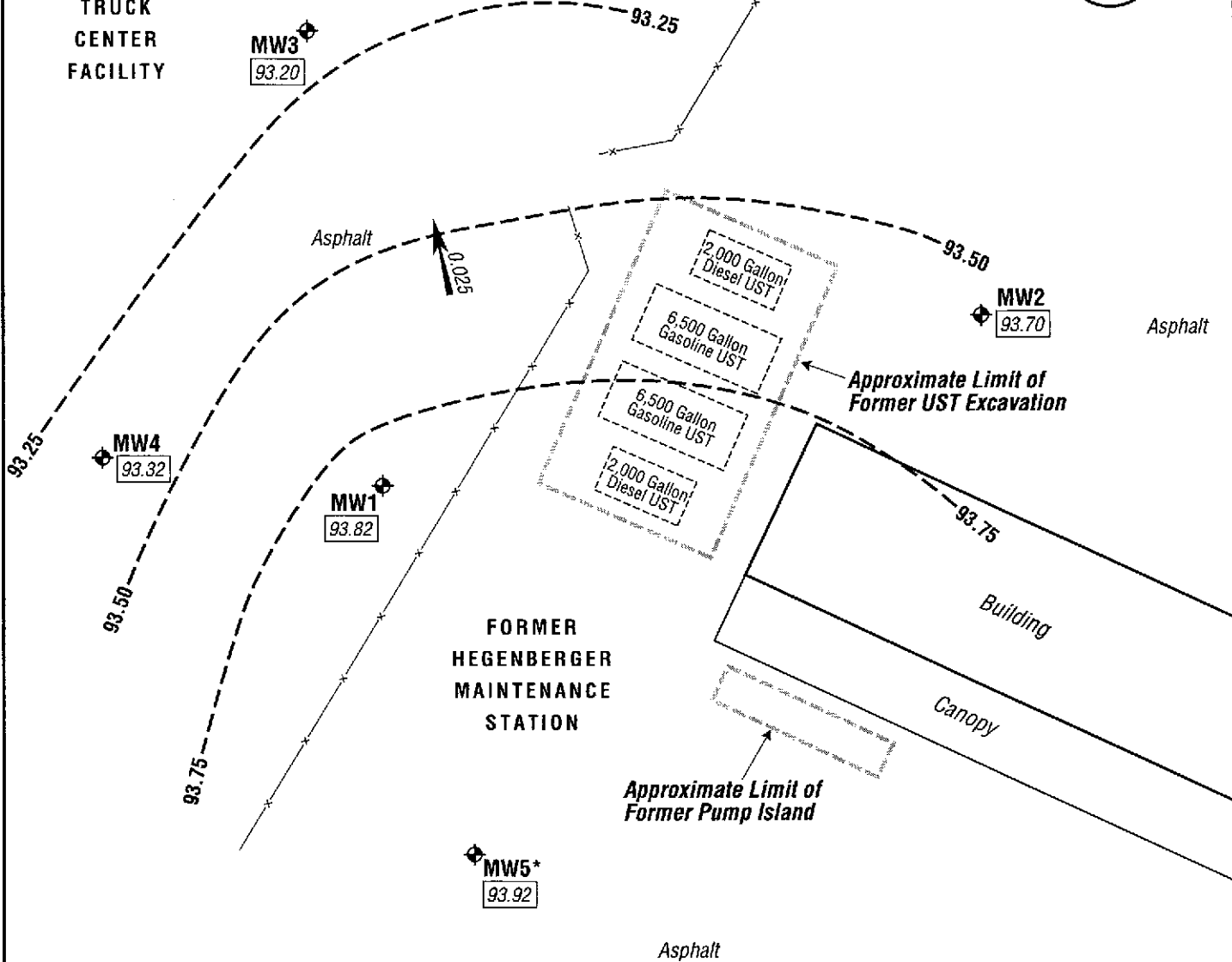
Task Order No. 04-5T9000-01

October 1996

Figure 1



GENERAL
MOTORS
CORPORATION
TRUCK
CENTER
FACILITY



FORMER
HEGENBERGER
MAINTENANCE
STATION

Approximate Limit of
Former Pump Island

Approximate Limit of
Former UST Excavation

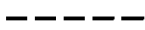
LEGEND:



Location of Former UST



Location of Groundwater Monitoring Well, GEOCON, Sept. 95



Groundwater Elevation Contour (Interval = 0.25 Ft.)



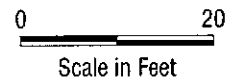
Relative Elevation of Groundwater Measured 8/26/96



Approximate Groundwater Gradient

*

MW5 Not Used to Calculate Groundwater Gradient



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ENVIRONMENTAL CONSULTANTS INCORPORATED
3235 SUNRISE BLVD. - SUITE 6 - RANCHO CORDOVA, CALIFORNIA 95742
PHONE 916 852-9118 - FAX 916 852-9132



Hegenberger Maintenance Station

555 Hegenberger Road
Oakland, California

**GROUNDWATER
ELEVATION MAP -
AUGUST 1996**

GEOCON Proj. No. S8100-06-34

Task Order No. 04-5T9000-01

October 1996

Figure 2

**GENERAL
MOTORS
CORPORATION
TRUCK
CENTER
FACILITY**



MW3
TPHg = 700
B = 180

Asphalt

MW2
TPHg = < 50
B = < 0.5

Asphalt

MW1
TPHg = 3,800
B = 780

*Approximate Limit of
Former UST Excavation*

MW4
TPHg = 300
B = 55

**FORMER
HEGENBERGER
MAINTENANCE
STATION**

Building

Canopy

*Approximate Limit of
Former Pump Island*

MW5
TPHg = 900
B = 270

Asphalt



LEGEND:

Location of Former UST

MW1 Location of Groundwater Monitoring Well, GEOCON, Sept. 95

TPHg = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
All Concentrations in Micrograms Per Liter (ppb)

GEOCON

ENVIRONMENTAL CONSULTANTS INCORPORATED
3235 SUNRISE BLVD. - SUITE 6 - RANCHO CORDOVA, CALIFORNIA 95742
PHONE 916 852-9118 - FAX 916 852-9132



Hegenberger Maintenance Station

555 Hegenberger Road
Oakland, California

**TPHg & BENZENE
CONCENTRATIONS
IN GROUNDWATER-
AUGUST 1996**

GEOCON Proj. No. S8100-06-34

Task Order No. 04-5T9000-01

October 1996

Figure 3

TABLE 1
 CUMULATIVE SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA
 HEGENBERGER MAINTENANCE STATION
 OAKLAND, CALIFORNIA

SAMPLE I.D.	DATE	TOC ELEVATION (REF)	DEPTH TO GROUNDWATER (feet)	GROUNDWATER ELEVATION (REF)	TPHg (µg/l)	TPHd (µg/l)	TPHmo (µg/l)	O&G (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)
MW-1	10/11/95	99.73	6.55	93.18	720	<50	<50	<5,000	660	13	4.7	2.8
MW-1	01/17/96	99.73	5.64	94.09	4,400	<50	<50	---	1,000	30	21	17
MW-1	04/16/96	99.73	5.46	94.27	6,050	7,450	---	---	914	34.7	34.4	15.8
MW-1	08/26/96	99.73	5.91	93.82	3,800	430	---	---	780	23	21	20
MW-2	10/11/95	99.68	6.88	92.80	<50	<50	<50	<5,000	<0.3	<0.3	<0.3	<0.5
MW-2	01/17/96	99.68	5.32	94.36	4,900	<50	<50	---	2,100	<15	<15	<15
MW-2	04/16/96	99.68	5.81	93.87	<50	<50	---	---	1.02	<0.5	<0.5	<0.5
MW-2	08/26/96	99.68	5.98	93.70	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW-2dup	08/26/96	99.68	---	---	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW-3	10/11/95	98.92	6.42	92.50	1,300*	<50	<50	<5,000	1.0	<0.3	<0.3	<0.3
MW-3	01/17/96	98.92	5.82	93.10	171	<50	<50	---	64	<0.3	1.0	<0.3
MW-3	04/16/96	98.92	5.85	93.07	6,740	565**	---	---	2,770	31.0	13.9	21.9
MW-3dup	04/16/96	98.92	---	---	6,710	540**	---	---	2,790	31.1	13.9	21.8
MW-3	08/26/96	98.92	5.72	93.20	700	70	---	---	180	4.2	1.0	4.6
MW-4	10/11/95	99.46	6.63	92.83	500	<50	<50	<5,000	17	1.1	<0.3	0.48
MW-4	01/17/96	99.46	5.77	93.69	459	<50	<50	---	72	4.1	<0.3	1.7
MW-4	04/16/96	99.46	5.89	93.57	2,200	<50	---	---	85	7.67	1.41	5.72
MW-4	08/26/96	99.46	6.14	93.32	300	110	---	---	55	4.9	1.2	<0.5
MW-5	10/11/95	99.91	6.68	93.23	1,000	<50	<50	<5,000	45	15	1.9	6.1
MW-5	01/17/96	99.91	5.74	94.17	<50	<50	<50	---	2.0	<0.3	<0.3	<0.3
MW-5	04/16/96	99.91	5.85	94.06	1,740	855**	---	---	157	20.1	3.92	22.4
MW-5	08/26/96	99.91	5.99	93.92	900	270	---	---	55	6.4	0.9	3.7

Notes:

TOC = Top of casing
 REF = Top of casing elevations referenced to an onsite arbitrary elevation of 100.00 feet
 TPHg = Total petroleum hydrocarbons as gasoline
 TPHd = Total petroleum hydrocarbons as diesel
 TPHmo = Total petroleum hydrocarbons as motor oil
 O&G = Oil and grease
 BTEX = Benzene, toluene, ethylbenzene and total xylenes
 µg/l = Micrograms per liter
 < = Less than laboratory test method detection limit
 --- = Not tested

* = Laboratory report notation "Weathered gas detected"

** = Laboratory report notation "Peaks in the diesel range"

MONITORING WELL SAMPLING DATA

Project Name: Hegenberger Maint. Station	Project Number: S8100-06-34
Well No.: MW-1	Date: 8/26/96
Well Diameter: 4 in.	Field Personnel: DW
Casing Length: 20 feet	Screened Casing Length
Well Elevation: feet MSL measured from	

PURGE CHARACTERISTICS	
Water Depth Before Pumping: 5.91 ft.	2 in.=.1632 Gal/ft. 4 in. = .6528 Gal/ft.
Calculated Water Column Volume: 9.2 Gal.	Volumes Purged: 3
Start Pumping Time: 1142	End Pumping Time: 1215
Total Time: 33 min.	Flow Gauge: to
Total Volume Pumped: 28 Gal.	Avg. Flow Rate: 0.8 gpm
Water Depth After Pumping: 17.95 feet	Time:

SAMPLING CHARACTERISTICS				
Sampling Method: disposable bailer				
Laboratory Analysis: TPHg, TPHd, BTEX				
TIME	TEMPERATURE	CONDUCTIVITY	pH	Gallons Purged
1149	69.1	1769	7.89	9
1200	68.3	1937	7.41	18
1215	67.2	1636	7.28	28
1220				sample

comments: water clear; strong odor; dry after 20 gallons

MONITORING WELL SAMPLING DATA

Project Name: Hegenberger Maint. Station	Project Number: S8100-06-34
Well No.: MW-2	Date: 8/26/96
Well Diameter: 4 in.	Field Personnel: DW
Casing Length: 20 feet	Screened Casing Length
Well Elevation: feet MSL measured from	

PURGE CHARACTERISTICS	
Water Depth Before Pumping: 5.98 ft.	2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft.
Calculated Water Column Volume: 9.2 Gal.	Volumes Purged: 3
Start Pumping Time: 0932	End Pumping Time: 1000
Total Time: 28 min.	Flow Gauge: to
Total Volume Pumped: 27.5 Gal.	Avg. Flow Rate: 1 gpm
Water Depth After Pumping: 17.25 feet	Time:

SAMPLING CHARACTERISTICS				
Sampling Method: disposable bailer				
Laboratory Analysis: TPHg, TPHd, BTEX				
TIME	TEMPERATURE	CONDUCTIVITY	pH	Gallons Purged
0936	68.7	3050	7.64	9
0946	69.6	2980	6.95	18
1000	67.6	3040	6.96	27
1010				sample

comments: water clear; no odor

MONITORING WELL SAMPLING DATA

Project Name: Hegenberger Maint. Station	Project Number: S8100-06-34
Well No.: MW-3	Date: 8/26/96
Well Diameter: 4 in.	Field Personnel: DW
Casing Length: 20 feet	Screened Casing Length
Well Elevation: feet MSL measured from	

PURGE CHARACTERISTICS	
Water Depth Before Pumping: 5.72 ft.	2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft.
Calculated Water Column Volume: 9.3 Gal.	Volumes Purged: 3
Start Pumping Time: 1216	End Pumping Time: 1244
Total Time: 28 min.	Flow Gauge: to
Total Volume Pumped: 28 Gal.	Avg. Flow Rate: 1 gpm
Water Depth After Pumping: 16.20 feet	Time:

SAMPLING CHARACTERISTICS				
Sampling Method: disposable bailer				
Laboratory Analysis: TPHg, TPHd, BTEX				
TIME	TEMPERATURE	CONDUCTIVITY	pH	Gallons Purged
1223	74.0	6920	8.26	9
1234	69.9	6730	7.88	18
1244	68.7	5710	7.36	28
1300				sample

comments: water clear; strong odor

MONITORING WELL SAMPLING DATA

Project Name: Hegenberger Maint. Station	Project Number: S8100-06-34
Well No.: MW-4	Date: 8/26/96
Well Diameter: 4 in.	Field Personnel: DW
Casing Length: 20 feet/T.D. = 17	Screened Casing Length
Well Elevation: feet MSL measured from	

PURGE CHARACTERISTICS	
Water Depth Before Pumping: 6.14 ft.	2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft.
Calculated Water Column Volume: 7 Gal.	Volumes Purged: 3
Start Pumping Time: 1052	End Pumping Time: 1112
Total Time: 20 min.	Flow Gauge: to
Total Volume Pumped: 21 Gal.	Avg. Flow Rate: 1 gpm
Water Depth After Pumping: 14.86 feet	Time:

SAMPLING CHARACTERISTICS				
Sampling Method: disposable bailer				
Laboratory Analysis: TPHg, TPHd, BTEX				
TIME	TEMPERATURE	CONDUCTIVITY	pH	Gallons Purged
1056	68.8	3070	6.75	7
1103	66.8	3330	6.87	14
1112	66.0	3390	6.62	21
1135				sample

comments: water clear; moderate odor

MONITORING WELL SAMPLING DATA

Project Name: Hegenberger Maint. Station	Project Number: S8100-06-34
Well No.: MW-5	Date: 8/26/96
Well Diameter: 4 in.	Field Personnel: DW
Casing Length: 20 feet	Screened Casing Length
Well Elevation: feet MSL measured from	

PURGE CHARACTERISTICS	
Water Depth Before Pumping: 5.99 ft.	2 in.=.1632 Gal/ft. 4 in. = .6528 Gal/ft.
Calculated Water Column Volume: 9.1 Gal.	Volumes Purged: 3
Start Pumping Time: 1015	End Pumping Time: 1044
Total Time: 29 min.	Flow Gauge: to
Total Volume Pumped: 24 Gal.	Avg. Flow Rate: 0.8 gpm
Water Depth After Pumping: 18.97 feet	Time:

SAMPLING CHARACTERISTICS				
Sampling Method: disposable bailer				
Laboratory Analysis: TPHg, TPHd, BTEX				
TIME	TEMPERATURE	CONDUCTIVITY	pH	Gallons Purged
1022	71.8	1140	6.96	9
1033	68.1	1316	6.81	18
1044	68.4	1290	6.72	24
1125				sample

comments: water clear; strong odor; dry after 16 gallons; slow recharge; pumped dry 4 times

Advanced Technology
Laboratories

September 9, 1996

RECEIVED
SEP 20 1996
BY:

ELAP No.: 1838

Geocon Environmental
3235 Sunrise Blvd. #6
Rancho Cordova, CA 95742

ATTN: Mr. Doug Winchester

Client's Project: Hagenberger, S8100-06-34
Lab No.: 12972-001/006

Gentlemen:

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (310) 989 - 4045 if I can be of further assistance to your company.

Sincerely,



Edgar P. Caballero
Laboratory Director
EPC/ms

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Spike Recovery and RPD Summary Report - WATER (MG/L)

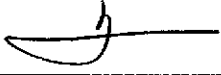
Method : C:\HPCHEM\5\METHODS\DIESEL.M
 Title : Diesel
 Last Update : Thu Sep 05 16:14:44 1996
 Response via : Initial Calibration

Non-Spiked Sample: DB9551.D

	Spike Sample	Spike Duplicate Sample
File ID :	DS9542.D	DS9543.D
Sample :	MS E-9/5/96 WATER	MSD E-9/5/96 WATER
Acq Time:	05 Sep 96 07:10 PM	05 Sep 96 07:32 PM

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel	ND	1.0	1.00	1.08	96	103	8	50	50-150

QC Batch #: 968015DW260

Reviewed/Approved By:  Date: 9/9/96
 Yun Pan
 Organics Supervisor

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\8025WAT.M
 Title : EPA M8015 (Gasoline) / EPA 602 (BTEX)
 Last Update : Thu Sep 05 11:25:43 1996
 Response via : Initial Calibration

Non-Spiked Sample: V00834.D

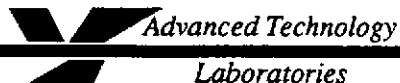
Spike Sample	Spike Duplicate Sample
File ID : VS0841.D	VS0842.D
Sample : 12972-003 1ppm MS Gas(+BTEX)	12972-003 1ppm MSD Gas(+BTEX)
Acq Time: 06 Sep 96 08:15 AM	06 Sep 96 08:47 AM

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline (mg/l)	0.7	1	1	1	73	72	1	20	66-129
Benzene (ug/l)	179.3	23	200	199	91	85	7	20	73-121
Toluene (ug/l)	4.2	57	60	60	98	97	0	20	70-127

QC Batch #:968G20W2204

Reviewed and Approved by: Yun Pan Date: 9/9/96
 Organics Supervisor

CHAIN OF CUSTODY RECORD



1510 E. 33rd Street
Signal Hill, CA 90807
(310) 989-4045 • FAX (310) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: (Signature) Date: 9-03-96 Time: 0825

Method of Transport
Walk-in
Courier
UPS
FED. EXP.
ATL

Sample Condition Upon Receipt
1. COOLER TEMP 75 (2-6) Y N
2. CHILLED Y N 6. # OF SPLS MATCH COC Y N
3. HEADSPACE (VOA) Y N 7. PRESERVED Y N
4. CONTAINER INTACT Y N 8. CONTR. LOT # _____

Client: GEOCON ENVIRONMENTAL - SACRAMENTO

Address: 3235 Sunrise Blvd. #6

TEL: (916) 852-9118

Attn:

City Rancho Cordova State CA Zip Code 95742

FAX: (916) 852-9132

Project Name: Hagenberger Project #: 52100-06-34 Sample (Printed Name) Doug Winchester (Signature) (Signature)

Relinquished by: (Signature and Printed Name) (Signature) Doug Winchester Received by: (Signature and Printed Name) (Signature) Dore Galvan Date: 9-3-96 Time: 0825

Relinquished by: (Signature and Printed Name) _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

Unless otherwise requested, all samples will be disposed 60 days after receipt.
I hereby authorize ATL to perform the work indicated below.
Project Mgr /Submitter: Doug Winchester Date: 8/26/96
(Signature)
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
Please run duplicate on MW-2

SHIP TO LAB: (SUB CONTRACT)	SHIP TO LAB: (SUB CONTRACT)	SHIP TO LAB: (SUB CONTRACT)
TEST: _____	TEST: _____	TEST: _____
ATL #: _____	ATL #: _____	ATL #: _____
DATE: _____	DATE: _____	DATE: _____
CLIENT I.D. _____	CLIENT I.D. _____	CLIENT I.D. _____

Circle or Add Analysis(es) Requested	CIRCLE APPROPRIATE MATRIX										PRESERVATION	QA/QC											
	601/8010 (Halogenated Volatiles-GC)	602/8020/8 TEX (Aromatic Volatiles-GC)	608/8080 (Pesticides-PCE-GC)	624/8240/8260 (Volatiles-GC/MS)	801/8010 (BNA-GC/MS)	801/8010 (PHG/8 TEX/COMBINATION)	818/8181 (TPH-IR)	Metals-Total (CAC-601/10/200)	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID			WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type	RTNE <input type="checkbox"/>	RWCCB <input type="checkbox"/>	WIP <input type="checkbox"/>

ITEM	LAB USE ONLY:	Sample Description				CIRCLE APPROPRIATE MATRIX										PRESERVATION	QA/QC								
	Batch #:	Lab No.	Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Type			REMARKS							
		12972-001	MW-1	8/26/96	1220																				
		002	MW-2		1010																				
		003	MW-3		1300																				
		004	MW-4		1135																				1-VOA rec'd broken
		005	MW-5		1125																				1-VOA rec'd broken
		006	Trip Blank		0600																				

Sample Archive/Disposal:
 Laboratory Standard
 Other
 Return To: _____

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

• TAT starts 8 a.m. following day if samples received after 3 p.m.

Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₅

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Teclar G=Glass P=Plastic M=Metal