1386 EAST BEAMER STREET WOODLAND, CA 95776-6003 FAX (916) 662-0273 (916) 668-5300

CALIF CONTRACTOR # 513857 A CORPORATION REGISTERED GEOLOGISTS

Mr. Srikanth Dasappa USA Gasoline Corporation 30101 Agoura Court, Ste. 200 Agoura Hills, California 91301 (818) 865-9200 Fax (818) 865-0092

February 23, 1994

RE: USA Station #57 ground water monitoring, Oakland, Alameda County, CA on 1/27/94 for USA Gasoline Corporation.

LOCATION

The site, USA Gasoline Corporation Station #57 is located at 10700 MacArthur Boulevard, Oakland, Alameda County, California and lies in proj. Sec. 24; T2S; R3W; MDB&M at an elevation of approximately 65 feet above mean sea level. This station is currently inactive and not in service.

PURPOSE & SCOPE

To sample, document and chain-of-custody deliver the water samples from ground water monitor wells S-1 and S-2 to a State of California certified laboratory.

PROCEDURES

Depth to water were recorded for the wells, see Table 1, prior to purging and sampling by a Western Geo-Engineers (WEGE) geotechnician on January 27, 1994. The ground water at this site is shallow, the current depth is 16.72 feet to 17.87 feet below ground surface (BGS), for S-1 and S-2 respectively.

Western Geo-Engineers purged the wells before collecting ground water samples; this was completed only after water temperature, pH, and conductivity had stabilized. The "purged water" was "contained" in a labeled, secured 55 gallon drum on site. Ground water samples were collected from S-1 and S-2 on January 27, 1994. The samples were analyzed for Total Fuel Hydrocarbons as Gasoline and Volatile Aromatic Hydrocarbons (BTEX), utilizing EPA Methods 5030, & 602 respectively.

The water samples were preserved in containers prepared and provided by Matrix Environmental Laboratories, Rancho Cordova, California. Each sample was placed in a zip lock bag and deposited in an ice chest containing enough ice to maintain a 4°C temperature to preserve the samples. The samples were delivered to a California State Certified Laboratory and signed over to the lab using standard chain-of-custody procedures. Field notes describing the collection of water samples are included in Appendix A.

CHEMICAL ANALYSIS RESULTS

The water samples were analyzed at Matrix Environmental Laboratories (DHS #1676). The analytical results for water samples from S-1 were 6.9 ppm for TPH,G with Benzene at 880 ppb and Below Detection Limits (BDL) for TPH,D. In addition, Petroleum Hydrocarbons were detected in S-2 with TPH,G at 15 ppm, 660 ppb Benzene and Below Detection Limits for TPH,D. Analyses run and sample location are tabulated in Table 1. The analytical laboratory report is presented in Appendix B.

LIMITATIONS

This report is based upon the following:

- A. The observations of field personnel.
- B. The results of laboratory analyses performed by a state certified laboratory.
- C. Referenced documents.
- D. Our understanding of the regulations of the State of Californjia, Alameda County and the City of Oakland.

The services performed by Western Geo-Engineers, a corporation, under California Registered Geologist #3037 and/or Contractors Licence #513857, have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California and the Oakland area. Our work and/or supervision of remediation and/or abatement operations, active or preliminary, at this site is in no way meant to imply that we are owners or operators of this site. Please note that known soil and/or ground water contamination must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

RED GEO

JACK E. NASPER

No. 3037

Sincerely,

Vern A. Bennett Project Geoliogist

Jack E. Napper

Registered Geologist #3037

WEGE: TABLE 1

USA PETROLEUM CORPORATION

NAPA, CALIFORNIA

GROUND WATER INFORMATION & WATER SAMPLE RESULTS

*****	********			**========			********				
Sample	DATE	DEPTH TO	SAMPLING	CERTIFIED	TPH,G	TPH,D	BENZENE	TOLUENE	ETHYL	XYLENE	PRODUCT
ID	SAMPLED	WATER	COMPANY	LAB	ppm	ppm	ppb	ppb	BENZENE	ppb	THICKNESS
		IN FEET			(mg/L)	(mg/L)	(ug/L)	(ug/L)	ppb	(ug/L)	IN FEET
		(BGS)			-	<u> </u>		•	(ug/L)		
******					********			*******			金鱼兰军军水车和森林
S-1	01/27/94	16.72	WEGE	MATRIX	6.9	<0.05	880	<15	<15	<45	

.s-2 ≿ i	01/27/94	17.87	WEGE	MATRIX	15	<0.05	660	230	470	1600	SHEEN

WEGE- WESTERN GEO-ENGINEERS

*SHEEN= PETROLEUM HYDROCARBONS AS DISSOLVED CONSTITUENTS FOUND

 OR BLANK, SAMPLE NOT TAKEN: PRODUCT IN WELL AND/OR SAMPLE NOT RUN OR DATA AVAILABLE

MATRIX=FORMERLY CHEMTECH, (DHS #1676)

BGS- BELOW GROUND SURFACE, TAKEN FROM TOC (TOP OF CASING).

PPM= PARTS PER MILLION (mg/L-milligrams/liter)
PPB=PARTS PER BILLION (ug/L-micrograms/liter)
TFH= TOTAL FUEL HYDROCARBONS (GASOLINE)
EPA METHOD 5030 USED FOR TFH (G)
TPH,D= TOTAL PETROLEUM HYDROCARBONS AS DIESEL
EPA METHOD M8015 USED FOR TPH,D

EPA METHOD 602 USED FOR (BTEX); BENZENE, TOLUENE, ETHYL BENZENE, XYLENE



では難り行動されてい

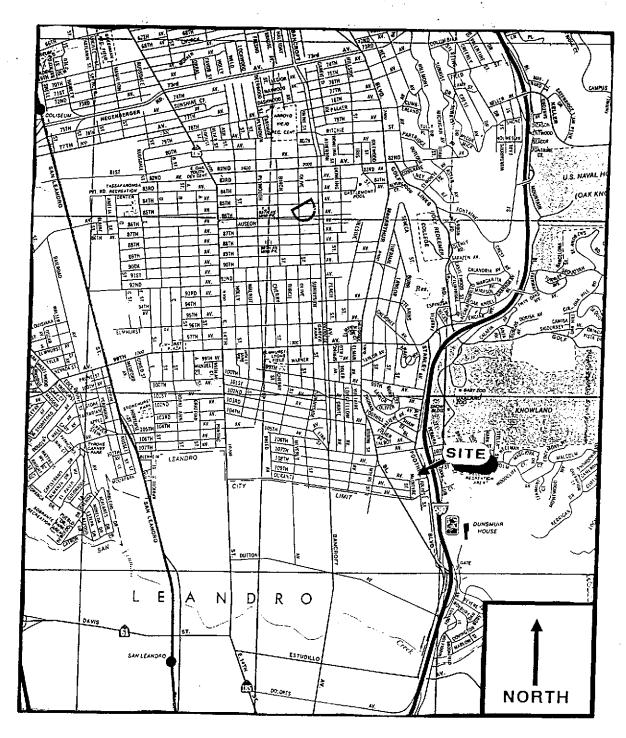


FIGURE 1, AAA, SITE LOCATION MAP



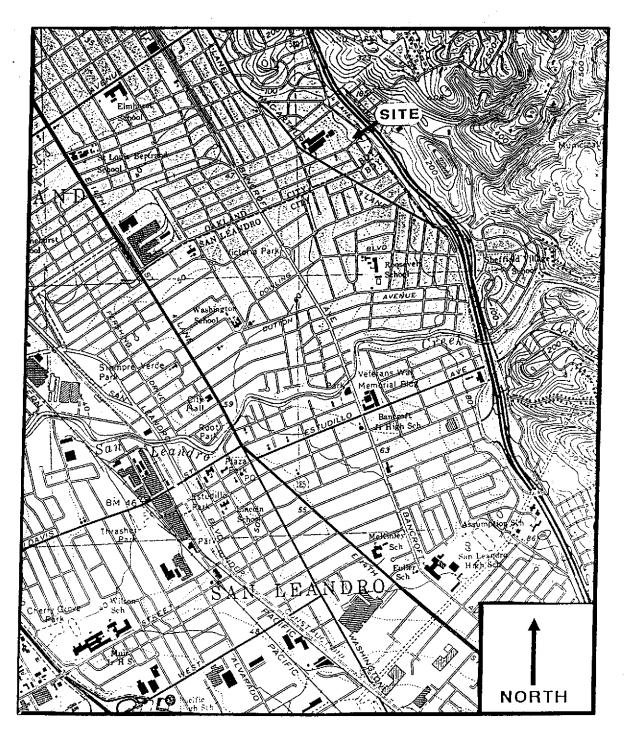
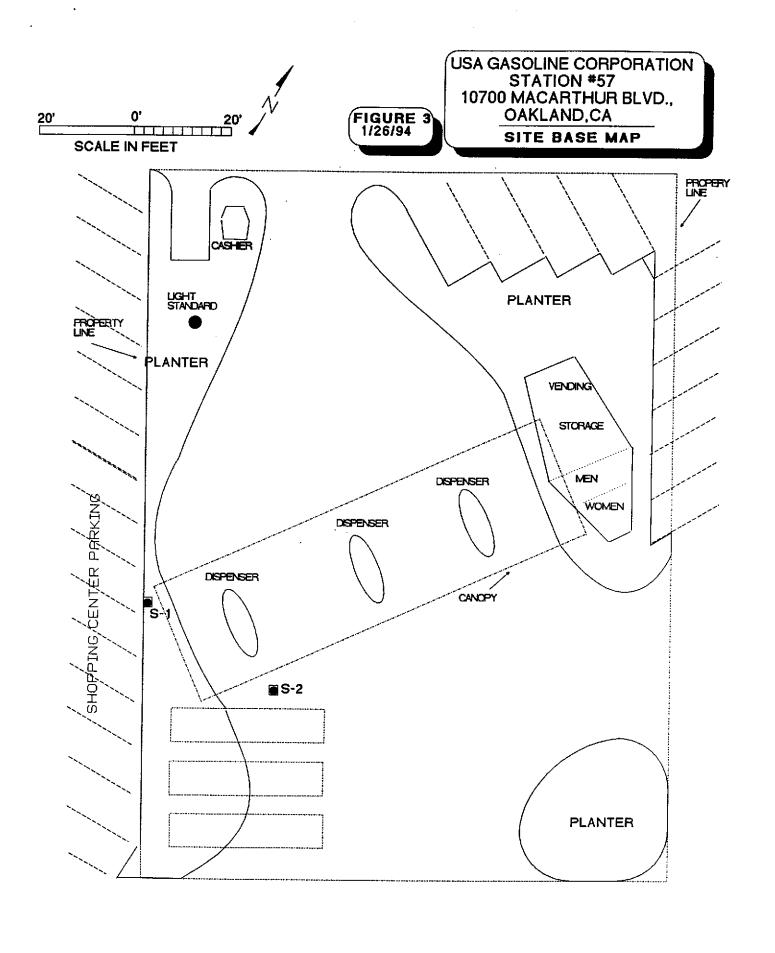
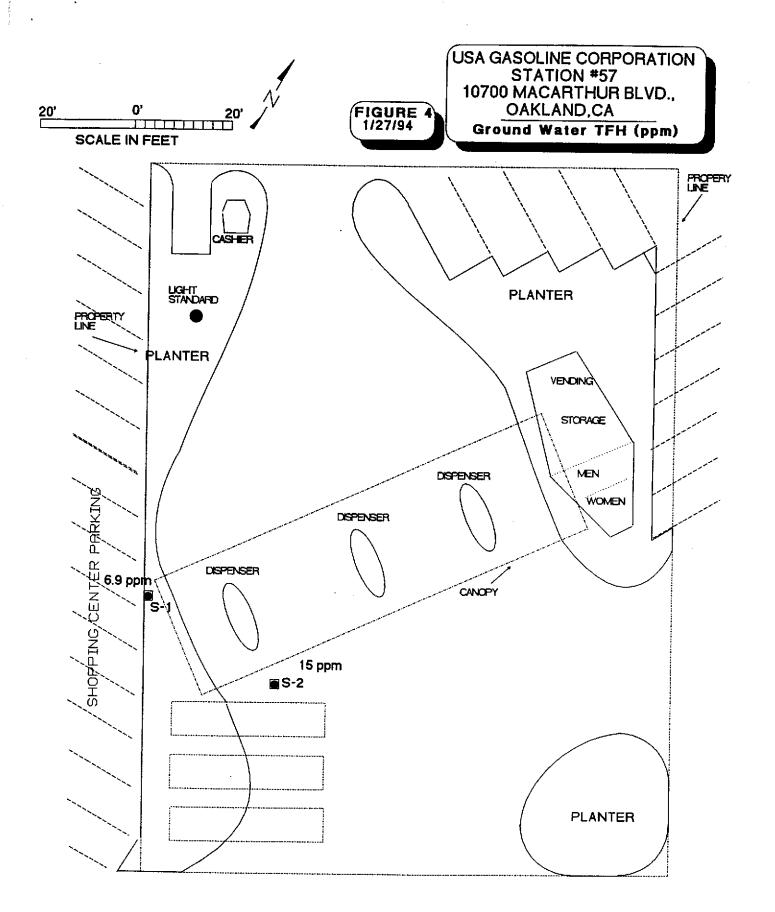
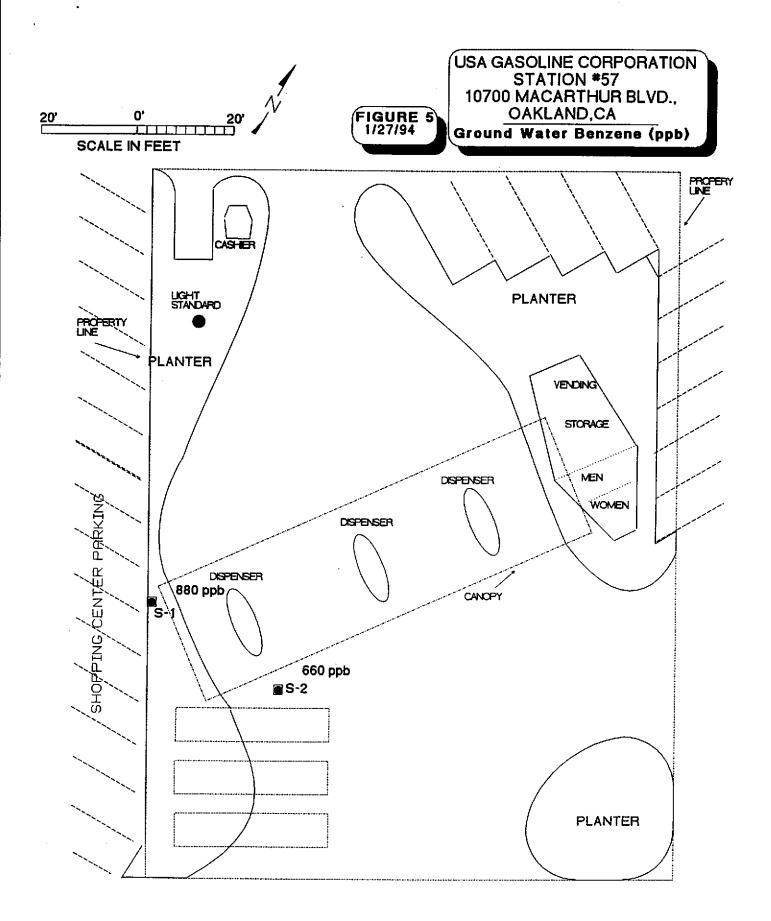


FIGURE 2, USGS TOPO SHEET SITE LOCATION MAP







APPENDIX A

GROUND WATER SAMPLING FILED NOTES

JANUARY 27, 1994

USA GASOLINE CORP. STA. #57 10700 MACARTHUR BOULEVARD, OAKLAND, CA.



WELL SAMPLING DATA SHEET

• • • • • • • • • • • • • • • • • • • •							
SITE MGA.	DATE (-27-94	TIME	12:15			
WELL C.	SAMPLE	DBY. u	rugal	uld.			
WELL ELEV	'ATION						
PRODUCT T		Δ					
DEPTH TO V	VATER /	6.72					
FLUID ELEV	VATION						
BAILER TY	PE		<u></u>				
PUMP			····				
	WELL PU	DCING R	FCORD				
TIME	VOLUME	TEMP.	pH	COND.			
1 114112	REMOVED	1 151711 .	PII				
	TOTAL TEL						
	0.100	- * * * * * * * * * * * * * * * * * * *					
-	Malful						
DIL MILE	W. No.	/ <i>AJ</i> .					
D. H. M.	o the	D' N					
" Vie	hat ile	الر ا					
<i>(</i> → <i>\</i>	you (a)						
	Jø						
	UME PURGE		callou	5			
	LED /2:3	<u> </u>					
SAMPLE ID							
SAMPLE CO	DNTAINERS	4-Vcx		liter			
ANALYSIS'	ANALYSIS TO BE RUN THE BYEN						
LABORATO	DRY Mate	- i X	75				
NOTES:	wites C	Coude	<u>) (3 ca</u>	odor			
purged	and	1 ot	recl	ngl			
belono	seine	trang		. 0			
		<u> </u>	·				



WE	LL SAMP	LING D	ATA S	SHEET	
SITEUS A. WELL S-	DATE /	-27-94 EDBY. _I n	TIME	11:40	
WELL ELEV PRODUCT T	'ATION			ads of Roda	ict
DEPTH TO V FLUID ELEV BAILER TY	VATION	7.87			
PUMP	WELL PU	RGING R	ECORD		
TIME	VOLUME REMOVED	ТЕМР.	рН	COND.	ļ
, all	Now John State of the State of	mud .			
\$ 1 LA	Way Day				

APPENDIX B

MATRIX ENVIRONMENTAL LABORATORIES

GROUND WATER RESULTS S-1 AND S-2

JANUARY 27, 1994

USA GASOLINE CORP. STA. #57 10700 MACARTHUR BOULEVARD, OAKLAND, CA.



Western GEO 1386 Beamer Street Woodland, Ca 95776 2/9/94

ATTN: Vern Bennett

Re: Project: U.S.A. # 57

Lab Reference Number: 4319
Date Samples Received: 1/28/94
No. Samples Received: 10

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely

Charles R. Todd, Laboratory Director

CHAIN OF CUSTODY	NO. 4319	MATE	IX ENVIRON	IMEN	IAT	LAB	ORA	TORIE	S	(916) 635	5-39	62	FAX	: (91	6) 6	35-9	331			C.O.C LOG-Ú
PROJECTIO	1. S. A. #	57			ડ્ય			7	/\ /	/ /		AN,	ALYS	s	7	7	7	7	/		/ ₂ //
PAGE	CLIENT CHAIN OF CUSTO	DDY#		NO. of	ONTAIN	,	/,	\ \$\frac{1}{2}				/ 8	/,	//	//	//	//			TO SOME SERVICE SERVIC	
LAB I.D. #	SAMPLE I.D.	DATE TIME SAMPLED SAMPI	ED MATRIX		ŏ						\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3/2	3/	//	//	//	//				
940326	5-1	1-27 /21	10 Water	ပ	7		χ_{2}							0\$3	<u></u>		ĺ			\overline{X}	COMMENTS:
<u>94</u> 0331	5-2	1-27/2:	35 unter	0	\leq	X	X	2				4	94	033	35					Y	STAT
									-			-			-	<u> </u>					
							\dashv	 			-	_			-	 	1				
										-		_		-	┼-	_	-			_	
			-	+			+	-		\dashv	+	+	-		_	-	<u> </u>				·
				<u> </u>					<u> </u>	\perp		_		_							
					-				+	\dashv	 -			-	+-	-	-			\dashv	
								 		+					+-	-				\dashv	
													1								
					_		_			-	<u> </u>		+		+	ļ <u> </u>				4	
								 	 			+	+	-	+					\dashv	
												\top	\dagger	+	 		-			┪	
														Ţ							
Relinquished by: (Sign	nature) Date/Time	Received by: (Si	gnature)				_						Spe	ecial	Instr	ructi	ons				
Callia and daharah							Repo	ort To:					•				-				
Relinquished by: (sign	Date/Time	Received by: (Sig	anaturē)				Bill To														
Relinquished by: (sign	dature) Date/Time	Received for Cat	poratory by: (Sign	ioture)			· -														
Warrant box	1-28 8:20	Due	1/																		

ANALYSIS: BTEX, EPA 602

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: N/A

Lab ID: Method Blank

Date Sampled: N/A

Date Received: N/A

Date Extracted: N/A

Date of Analysis: 2/8/94

Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY	94%	ACCEPTABLE RANGE 70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: N/A

Lab ID: Method Blank

Date Sampled: N/A

Date Received: N/A

Date Extracted: N/A

Date of Analysis: 2/8/94

Matrix: WATER

REPORTING LIMIT

COMPOUND

ug/L (ppb) ug/L (ppb)

GASOLINE

ND

50.

SURROGATE RECOVERY

89%

ACCEPTABLE RANGE 70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

ANALYSIS: BTEX, EPA 602

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: 8 -1

Lab ID: 940327

Date Sampled: 1/27/94

Date Received: 1/28/94

Date Extracted: N/A

Date of Analysis: 2/8/94

Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	880.	15
TOLUENE	ND	15
ETHYLBENZENE	ND	15
XYLENES	ND	45
SURROGATE RECOVERY	100%	ACCEPTABLE RANGE 70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 50 ratio and the reporting limits adjusted accordingly

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: 8 - 1

Lab ID: 940327

Date Sampled: 1/27/94

Date Received: 1/28/94

Date Extracted: N/A

Date of Analysis: 2/8/94

Matrix: WATER

REPORTING LIMIT

COMPOUND

ug/L (ppb) ug/L (ppb)

GASOLINE

6,900.

250.

SURROGATE RECOVERY

84%

ACCEPTABLE RANGE

70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

ANALYSIS: BTEX, EPA 602

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: 8 - 2

Lab ID: 940332

Date Sampled: 1/27/94

Date Received: 1/28/94

Date Extracted: N/A

Date of Analysis: 2/7/94

Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	660.	30
TOLUENE	230.	30
ETHYLBENZENE	470.	30
XYLENES	1,600.	90
SURROGATE RECOVERY	103%	ACCEPTABLE RANGE 70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 100 ratio and the reporting limits adjusted accordingly

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: 8 - 2

Lab ID: 940332

Date Sampled: 1/27/94

Date Received: 1/28/94

Date Extracted: N/A

Date of Analysis: 2/7/94

Matrix: WATER

REPORTING LIMIT

COMPOUND

ug/L (ppb)

ug/L
(ppb)

GASOLINE

15,000.

5,000.

SURROGATE RECOVERY

898

ACCEPTABLE RANGE 70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 100 ratio and the reporting limits adjusted accordingly

ANALYSIS: TPH-GASOLINE SPIKE SUMMARY

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: N/A

Lab ID: MS/MSD

Date Sampled: N/A

Date Received: N/A

Date Extracted: N/A

Date of Analysis: 2/8/94

Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVER		
	ug/L (ppb)	MS	MSD	MS	MSD	RPD
GASOLINE	20.00	18.78	18.38	94%	92%	2%

MS=

MATRIX SPIKE

MSD=

MATRIX SPIKE DUPLICATE

RPD=

RELATIVE PERCENT DIFFERENCE

CONC=

CONCENTRATION

ANALYSIS: BTEX SPIKE SUMMARY

CLIENT: Western GEO

CONTACT: V. Bennett

COC No: 4319

Project No: U.S.A. # 57

Sample ID: N/A

Lab ID: MS/MSD

Date Sampled: N/A

Date Received: N/A

Date Extracted: N/A

Date of Analysis: 2/8/94

Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURE	ED	PERCENT RECOVER		
	ug/L (ppb)	MS	MSD	MS	MSD	RPD
BENZENE	10.00	8.32	8.12	83%	81%	2%
TOLUENE	10.00	8.14	8.16	81%	82%	0%
ETHYL BENZENE	10.00	8.17	8.15	82%	81%	0%
TOTAL XYLENES	30.00	24.64	24.85	82%	83%	1%

MS=

MATRIX SPIKE

MSD=

MATRIX SPIKE DUPLICATE

RPD=

RELATIVE PERCENT DIFFERENCE

CONC=

CONCENTRATION

3017 KILGORE ROAD #100 RANCHO CORDOVA, CA 95742

PHONE (916) 635-3962 FAX (916) 635-9331

ANALYSIS: TPH-D, EPA 8015 mod.

Client: Western GEO

Contact: V. Bennett

COC No: 4319

Project No: USA # 57

Matrix: WATER

Date Sampled: 1/27/94

Date Received: 1/28/94

Date Extracted: 2/4/94

Date of Analysis: 2/8/94

Lab ID	Sample ID	Diesel mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
Method Blank	N/A	ND	.05
940330	S-1	ND	.05
940335	S-2	ND	.05

NOTE: (ND) = NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

3017 KILGORE ROAD #100 RANCHO CORDOVA, CA 95742

PHONE (916) 635-3962 FAX (916) 635-9331

ANALYSIS: TPH MATRIX SPIKE SUMMARY

Client: Western GEO

Contact: V. Bennett

COC No: 4319

Project No: USA # 57

Matrix: WATER

Date Sampled: N/A

Date Received: N/A

Date Extracted: 2/4/94

Date of Analysis: 2/8/94

COMPOUND	CONC SPIKED (mg/L)	CONC PERCENT MEASURED RECOVERY LCS LCSD LCS LCSD	RPD
DIESEL	100	88 87 88% 87%	1%

LCS=

LABORATORY CONTROL SPIKE

LCSD=

LABORATORY CONTROL SPIKE DUPLICATE

RPD=

RELATIVE PERCENT DIFFERENCE

CONC=

CONCENTRATION