

EMVIRONPLINTAL PROTECTION

95 OCT 31 PM 2: 28

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

October 30, 1995

RE: Second consecutive quarter (4th Quarter, 1995) groundwater monitoring: 1628 Webster Street, Alameda, California.

Dear Ms. Chu;

This letter report provides the results of the second consecutive quarter (Fourth Quarter, 1995) sampling of the monitoring wells at 1628 Webster Street, Alameda, California (Figure 1).

Depth to water in each monitoring well was measured to +/- 0.01 feet using a Solinst Model 101 water level meter on October 11, 1995. The depth to water was converted to potentiometric surface elevation by subtracting the measured depths to water from the casing top elevation. This information is presented below.

WELL AND GROUNDWATER ELEVATIONS OCTOBER 11, 1995

Well Number	Top of Casing Elevation (feet, msl)	Time of Depth measurement	Depth to Water (feet)	Groundwater Surface Elevation (feet, msl)
MW-1	14.71	09:59	6.28	8.43
MW-2	15.69	10:00	6.65	9.04
MW-3	14.71	10:02	6.43	8.28

The groundwater flow direction (more precisely direction of groundwater gradient, since the horizontal hydraulic conductivity anisotropy is unknown) for the triangle with a well at each apex is N 33.6° E at a gradient of 0.00559. Figure 2 is a potentiometric surface map showing well locations and groundwater surface contours as measured on October 11, 1995. Historic water level information follows.

Ms. Eva Chu October 30, 1995 Page 2

			WTO	GWE
MW-1	07/11/95	06:27	5.44	9.27
	10/11/95	09:59	6.28	8.43
MW-2	07/11/95	06:26	5.81	9.88
	10/11/95	10:00	6.65	9.04
MW- 3	07/11/95	06:23	5.41	9.30
	10/11/95	10:02	6.43	8.28

GROUNDWATER FLOW DIRECTION AND GRADIENT

07/11/95 N 6.41° E at a gradient of 0.00491 10/11/95 N 33.6° E at a gradient of 0.00559 AVERAGE N 20.6° E at a gradient of 0.00525

Following water level measurements the groundwater surface at each monitoring well was checked for free product, observation of sheen, and odor. No free product or sheen was found. Groundwater from monitoring well MW-1 possessed a septic odor.

The monitoring wells were purged by pumping with an "ES-60" submersible pump marketed for monitoring well purging by Enviro-Tech Services Co. of Martinez, California. Field measured water quality parameters were measured using a Cambridge Scientific Industries Hydac™ Conductivity Temperature pH Tester. Well purging activities and the field measured water quality parameters are documented in Attachment A. For each well, purging continued until specific conductance stabilized to +/- 5% on consecutive readings.

The purge pump was slowly removed from each well while running to allow a sweeping of the wellbore, preventing significant surging of the wellbore and drainage of the discharge tubing into the well.

Groundwater samples for TPH-D were collected directly from the end of the pump discharge tubing into a one liter amber glass bottle. Groundwater samples for TPH-G plus BTEX were collected using a precleaned TeflonTM bailer suspended from a new nylon twine line. Water samples were transferred, in duplicate, from the bailer to 40-mL glass vials with TeflonTM septum lids using a precleaned TeflonTM pepcock type bottom emptying device.

Ms. Eva Chu October 30, 1995 Page 3

Groundwater sample bottles were labeled and placed in an ice chest with 2 Liter plastic bottles containing ice. Chain-of-Custody forms were filled out and were delivered with the ice chest to Superior Analytical Laboratory, Inc. of Martinez, California, a state certified laboratory.

Groundwater samples from monitoring well MW-2 was found not to contain detectable concentrations of petroleum hydrocarbons. Monitoring well MW-3 was found to contain 120 micrograms per liter (μ g/L) of TPH-Diesel. Monitoring well MW-1 was found to contain 1,800 micrograms per liter (μ g/L) of hydrocarbons in the range of diesel but not resembling a diesel fingerprint and 2,600 μ g/L of TPH-Gasoline, 53 μ g/L Benzene, 13 μ g/L Toluene, 52 μ g/L Ethylbenzene, and 44 μ g/L total Xylene isomers. The laboratory report and Chain-of-Custody documentation is contained in Attachment B. The historic groundwater sample analytical results are summarized below.

All concentrations are expressed in micrograms per liter (μ g/L).

Well	TPH-D	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes
MW-1						
07/11/95	<50	6,300	16	3.0	28	88
10/11/95	1,800*	2,600	53	13	52	44
MW-2						
07/11/95	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/11/95	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3						
07/11/95	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/11/95	120	<0.5	<0.5	<0.5	<0.5	<0.5

^{* &}quot;Hydrocarbons were found in the range of diesel but do not resemble a diesel fingerprint."

Cal	.ifornia [*] Primary	MCL's				
	na	na	1	na	680	1,750
US	E.P.A.*Primary	MCL's na	5	1,000	700	10,000

na - not available

Marshack, Jon B., D. Env. 1991, A Compilation of Water Quality Goals, Central Valley Regional Water Quality Control Board.

Ms. Eva Chu October 30, 1995 Page 4

The third consecutive quarter (First Quarter, 1996) sampling event at 1628 Webster Street, Alameda, California is scheduled for the week of January 08, 1996.

Please do not hesitate to call me at (510) 373-9211 should you have any questions.

GATIY D. LOWE No. 197

CEMINED HYDROGEOLOGIM

Sincerely,

Gary D. Lowe, R.G., C.E.G., C.H.

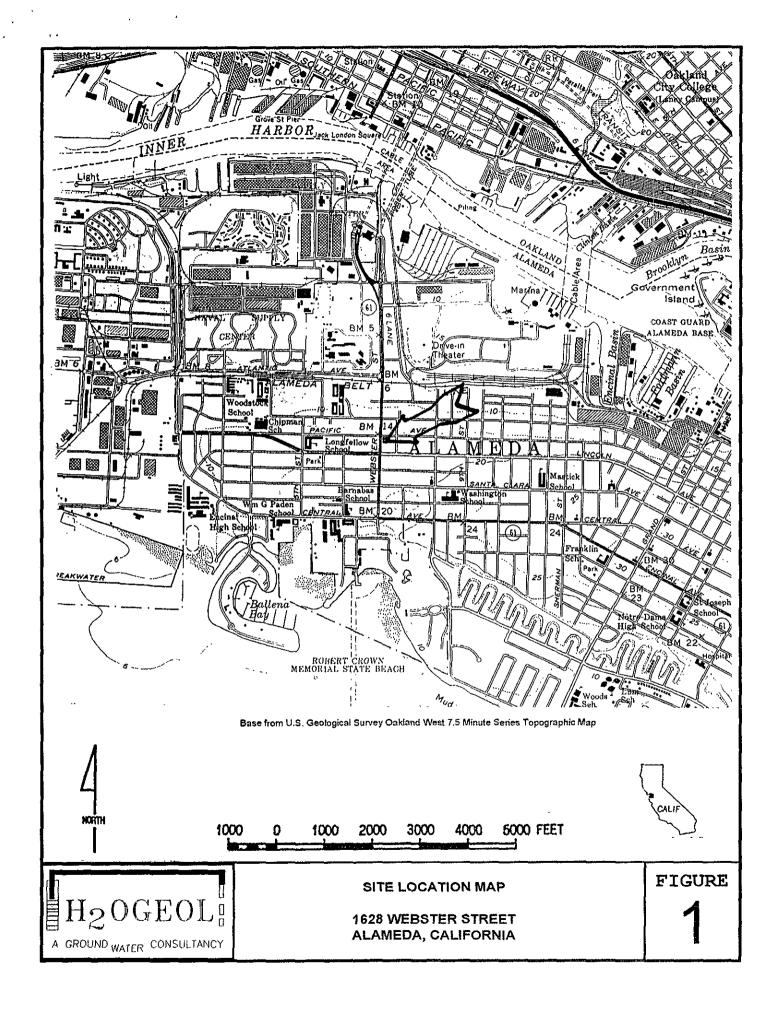
Ang of The

Principal, Hydrogeologist

Sole Proprietor

xc: Mrs. Jean Ratto Larkin, 778 Augusta Drive, Morage, CA, 94566

- Mr. Robert F. Campbell, FITZGERALD, ABBOTT & BEARDSLEY, 1221 Broadway 21st Floor, Oakland, CA, 94612-1837
- Mr. Christopher Berka/Ms. Clair Cormier, MCCUTCHEN, DOYLE, BROWN & ENERSEN, Market Post Tower, Suite 1500, 55 South Market Street, San José, CA, 95113
- Mr. Norman A. Dupont, PAUL, HASTINGS, JANOFSKY & WALKER, 23rd Floor, 555 South Flower Street, Los Angeles, CA, 90071-2371
- Mr. Tom Hargett, TEXACO ENVIRONMENTAL SERVICES, 10 Universal City Plaza, 7th Floor, Universal City, CA 91608-7812
- Mr. Jeff Smith, PHILLIPS PETROLEUM COMPANY, 13D2 Phillips Building, Bartlesville, OK, 74004





SCALE: 1" = 50'

MW-3 MONITORING WELL NAME/NUMBER

MONITORING WELL LOCATION

8.28 GROUNDWATER ELEVATION AT WELL

POTENTIOMITRIC SURFACE CONTOUR AND CONTOUR ELEVATION

./0

•

PACIFIC AVENUE

MW-1 MW-3

8.43

8.28

8.40

8.50

EXISTING DIRT SUIT ACE

PAPROX PROP. LINE

AVENUE

GRADIENT = 0.00559 Feet/Foot

DIRECTION OF GRADIENT = N 33.6° E

(Approximate groundwater flow direction, uncorrected for hydraulic conductivity anisotropy).

Well survey by Ron Archer, Civil Engineer, Inc. July 14, 1995 Top of casing elevations: MW-1, 14 98, MW-2, 15.95; MW-3, 15 09



POTENTIOMETRIC SURFACE MAP OCTOBER 11, 1995 1628 WEBSTER STREET ALAMEDA, CALIFORNIA FIGURE

2



P.O.Box 2165 Livermone California 94551 510-373-9211

ATTACHMENT A

FIELD DATA SHEET
LOG OF WELL SAMPLING ACTIVITIES

LOG OF WELL SAMPLING ACTIVITIES

Well Identi	fication _	ww. 2 Proj	ect Name	16,48 \	Vebster Stree	i, A	lameda, Cal	ıfor	nia Dar	e: 10/11/195
Sempled b	y- G Low	e & R. Vorst		Weath	er Conditions:		Clear	· ,	73°F, C.	1,
Well Locat	ron- Ç	outhwest.	سم هجور	L Well C	asing Diamete	r:	2-inch	ţ	Depth of Well Car	sing: <u>15.05</u>
Measuring	Point, Top	of PVC Casing	Imual C	epth to W	ater <u> </u>	<u>_</u>	Final	De	pth to Water	Not measured
Casing Vo	turne (1 vol	13 vol). 1.75	5/4.0	<u>ل</u>			Well Boreho	ota '	Volume.	
Purging M	•	Centrifugal Pump Grundfos Submer Centrifugal Pump ES-60 Submersible	sible Pump /ES-60 Sub		×	Sar	npling Meth	od:		mersible Pump
Purging Ri	ste: <u>See</u>	below	Total Disc	harge:	9.2		Cası	ng	Volumes Purged:	6.8
Comment	B:									
Waste Wa	ster Disposi	al. To proper	ly site drun	<u>n</u>						
Starting T	ıme/	2:40								
Time Pum	p on:	0:42								
Date	Time	Gal. Purged	рĦ	T deg. F	Dituted S C.		Oil, Factor		S.C. (µS/cm)	Color
	10:48	5.2	7.22	62.5		×		=	529	11. yellows
12	10:50		7.26			×		#	525	11 11
П	10 42		7.28	F		×		=	537	" "
, , , , , , , , , , , , , , , , , , ,	10.53			62.1		×		=	534	Calorland
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<u> </u>	10:54	9.2	1.40	62.2	 	×		_	<u> </u>	
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1	<u> </u>		L		<u> </u>	×		=		·
Sampl	e Identifica	tion: 1628/MV	<u></u>		Sample Time	:	10 5	5		
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វទ រណៈក	ıng ∑ıme-	11:01	-		Tsi	ni o	TU) Analyzed			Vatus

LOG OF WELL SAMPLING ACTIVITIES

Well ideni	dication	MW- \ Pro	aject Name	ン 16#8	Webster Stree	st. A	Mameda, Co	stite	orona Da	ta: _10/	t 1 4: /95
		e & R Vorst							_ <i>_ c a l</i>		
Anail Foce	tion: 146	SILL WASL	Casr	Y Well C	asing Diamete	er	Z-INCh		Depth of Well Ca	sing -	15.01
Meesuring	Point, Top	of PVC Casing	_ Initial I	Depth to V	/ater: <u>6. 2</u>	-8	Fine	al D	epth to Water	Not me	seured
Casing Vo	lume (1 vol	13 voit: 141	o/ ન .૧	1			Well Boreh	ola	Volume:	_	
Purging M		Centrifugal Pums Grundfos Subme Centrifugal Pums	reible Pumi		•	Sai	mpling Meti	hod	Peristaltic Pur Grundios Sub ES-60 Subme	mersible	
		ES-60 Submerait	te Pump		×				Tellon Bailer		
Purging Ri	ote. <u>See</u>	below	Total Disc	harge.	9.1		Cas	ung	Volumes Purged	<u>6</u>	-5_
Comment	s. <u><</u>	Me who						_			
Waste Wa	nter Oisposi	el <u>To prope</u> r	rty site drus	'n							
Starting T	ime:	11:01									
	p on										
Date	Time	Gal. Purged	piH	Y deg. F	Diluted S.C.	Ī	Dil. Factor	_	S.C. (µS/cm)		alor
10/11/95	11:11	5.2	6.70	72./		x		=	888	410	Gren
ţŧ	11 14	6,4	6.75	71.9		×		=	860	,11	.,0
,.	11 17	7.1	6.79	72.3		×		=	854	14	٠.
14.	11/19	8.4	6.76	72.1		×		=	861	1-	
- 13	11 2/	9.1	6.78	72.4		x		=	851	t ^t	3.
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Sampl	e identifica	1628/MV	v.		Sample Time	•		2	 -		
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Finish	ng Time.	11:32	_		Tir	ne /	Anatyzed:			/alue:	

LOG OF WELL SAMPLING ACTIVITIES

	tification	MW 3 Pr	oject Name	1648	AAGOETOL SILOG	st A	Mameda, C	dafo	rnia Ui	ne: <u>10/111/95</u>
Sampled 1	by G Low	ve & R Vorsi	-	Westh	ner Conditions	:	Parel	} -	Clardy,	72°F
Well Loca	ition,	North en	F % 2.	Well C	asing Diameti		2-inch			noing: 15,05
Measuring	g Point [,] Tor	ol PVC Casing	Initial l	Depth to V	Valer <u>67</u>	2	Fina	ol ()	epth to Water:	Not measured
Casing Vo	olume (7 vo	1.13 vol) 1.3	3/4	4			Well Boreh	ole	Volume	
Purging N		Centrifugal Pum Grundlos Subme Centrifugal Pum ES-60 Submersi	p/ES-60 Sul	p	. x	Sai	mpling Met	hod		omersible Pump
Purging R	ate: See	below	Total Disc	harge:	86		Cae	ខេត្ត	Volumes Purged	: 6.2
Comment	s:									
Waste Wa	ater Disposi	al: <u>To prope</u>	rly site druc	n,						
Starting T		2:22 2:25								
·	-		Ţ		24 - 100			_		
Date 10/11/95	10 · 28	Gal. Purged	6.73	72.1	Diluted S.C.		Dil. Factor	-	5.C. (µS/cm)	Cotor
10/1/195	10 .70		1 4. 0	サム・!_	1	x			7 0>	
2.1	10:19		+	77 3	-	J	· I	_1	306	LI. yelber
- 11	10:29	5.8	6.75	72.3		×			709	", "
	10:31	5.8 6.3	6.75	72.0		×		=	695	Toloslege
11	10:31 10:32	5.8 6.3 7.0	6.75 6.86 6.57	72. <i>0</i> 72. 2 -		×		<u>-</u>	695 701	", "
11	10:21 10:32 10:34	5.8 6.3 7.0 8.2	6.75 6.86 6.57 6.52	72.0 72.2 72.0		×		=	695 701 694	Toloslege
11	10:31 10:32	5.8 6.3 7.0	6.75 6.86 6.57	72. <i>0</i> 72. 2 -		x x		= =	695 701	Tolorkes
11	10:21 10:32 10:34	5.8 6.3 7.0 8.2	6.75 6.86 6.57 6.52	72.0 72.2 72.0		x x x		=	695 701 694	Tolorkes
11	10:31 10:32 10:34 10:35	5.8 6.3 7.0 8.2	6.75 6.86 6.57 6.52	72.0 72.2 72.0		x x x		11 11 11 11	695 701 694	Tolorkes
11	10:21 10:32 10:34 10:35	5.8 6.3 7.0 8.2	6.75 6.86 6.57 6.52	72.0 72.2 72.0		x x x x		=	695 701 694	Tolorkes
11	10:31 10:32 10:34 10:35	5.8 6.3 7.0 8.2	6.75 6.86 6.57 6.52	72.0 72.2 72.0		x x x		H 11 11 11 11 11 11	695 701 694	Tolorkes
11	10:31 10:32 10:34 10:35	5.8 6.3 7.0 8.2 8.6	6.75 6.86 6.57 6.52 6.89	72.0 72.2 72.0	Sample Time	x x x x	10:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	695 701 694 699	Tolorkes



P.O.Box 2165 - Livermore California 94551 - 510-373-9211

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION



Analytical Laboratory

H2OGEOL A GROUNDWATER CONSULTANCY P.O.BOX 2165

Date: October 20, 1995

P.O.BOX 2165 LIVERMORE, CA 94551

Attn: GARY D. LOWE

Laboratory Number : 20292

Project Number/Name : 1628

This report has been reviewed and

approved for release.

Savel. Salum pol Senior Chemist Account Manager SUPERIOR
SAL Analytical Laboratory

H2OGEOL A GROUNDWATER CONSULTANCY Attn: GARY D. LOWE

Project 1628 Reported on October 17, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE by SPA SW-846 5030/8015M/8020

Gasoline Range quantitated as all compounds from C6-C10

Chronology					Labo	ratory Num	ber 20292
Sample ID		Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
WM-1		10/11/95	10/13/95	10/17/95	10/17/95	BJ161.04	01
HM-5		10/11/95	10/13/95	10/16/95	10/16/95	BJ161.04	0.5
HW-3		10/11/95	10/13/95	10/16/95	10/16/95	BJ161.04	03
QC Samples							
QC Batch #	QC Sample ID		Ty	peRef.	Matrix	Extract.	Analyzed
BJ161.04-01	Method Blank		мв	~~. ,	Water	10/16/95	10/16/95
BJ161.04-02	Laboratory Spike		LS		Water	10/16/95	10/16/95
BJ161.04-03	Laboratory Spike Duplic	ate	LS	Ď	Water	10/16/95	10/16/95
BJ161.04-04	88		MS	20291-0	2 Water	10/16/95	10/16/95
BJ161.04-05	BB		MS	0 20291-0	2 Water	10/16/95	10/16/95
BJ161.04-06	Method Blank		MB		Water	10/17/95	10/17/95



H20GEOL A GROUNDWATER CONSULTANCY

Project 1628

Attn: GARY D. LOWE

Reported on October 17, 1995

Gasoline Range Petroleum Hydrocarbons and STXE by EPA SW-846 5030/8015M/8020

Gasoline Range quantitated as all compounds from C6-C10

TWB ID	Sample ID					Matrix	Dil.Factor	Moisture
20292-01	MW-1					Water	1.0	
20292-02	MW-2					Water	1.0	-
20292-03	MW-3					Water	1.0	-
Compound		RESU 20292- Conc. ug/L	-01	20292- Conc. ug/L	_	S I S 20292- Conc. ug/L	O3 RL	
Gasoline Range		2600	50	ND	50	ND	50	
Benzene		53	0.5	ND	0.5	ИD	0.5	
Toluene		13	0.5	ND	0.5	ND	0.5	
Ethyl Benzene		52	0.5	ND	0.5	ND	0.5	
Total Xylenes		44	0.5	ND	0.5	ND	0.5	
>> Surrogate Res	coveries (%) <	<						
Trifluorotolue		1841		106		100		



Gasoline Range Petroleum Hydrocarbons and BTXE by EPA 5W-846 5030/8015M/8020 Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 20292 Method Blank(s)

	BJ161.04-01 Conc. RL		BJ161. Conc.		
	ug/L		ug/L		
Gasoline Range	ND	50	ND	50	
Benzene	ND	0.5	ND	0.5	
Toluene	ND	0.5	ND	0.5	
Ethyl Benzene	ND	0.5	ND	0.5	
Total Xylenes	ND	0.5	В	0.5	
>> Surrogate Recoveries (%)	<<				
Trifluorotoluene (SS)	102		100		



Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015H/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 20292

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
	For	Water Matri:	K (ug/L)			
E	J161.04 02 /	03 - Labora	tory Control Sp	ikes		
Gasoline Range		320	388/395	121/123	65-135	2
Benzene		20	22/21	110/105	65-135	5
Toluene		20	21/21	105/105	65-135	0
Ethyl Benzene		20	21/21	105/105	65-135	0
Total Xylenes		60	63/61	105/102	65-135	3
>> Surrogate Recoveries (%)	<<					
Trifluorotoluene (SS)	•			101/100	50-150	
	For	Water Matri	x (vg/L)			
E			Spiked: 20291	- 02		
Canalian Banga	מוא	320	383/392	120/123	65-135	2
Gasoline_Range Benzene	ИD	20	21/21	105/105		0
Toluene	ND	20	21/21	105/105		o
Ethyl Benzene	ND	20	21/21	105/105		Ö
Total Xylenes	ND	60	61/63	102/105	65-135	3
•		80	01/03	102/105	05-135	3
>> Surrogate Recoveries (%)	<<					
Trifluorotoluene (SS)				98/99	50-150	

I - The surrogate recovery was high due to the presence of interfering compounds in the sample.

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)

Page 4 of 4



H2OGEOL A GROUNDWATER CONSULTANCY

Attn: GARY D. LOWE

Project 1628 Reported on October 23 1995

Total Petroleum Hydrocarbons as Diesel by EPA SW-846 Method 8015M

Diesel Range quantitated as all compounds from C10-C25

Chronology				Labo	ratory Nur	mber 20292
Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	ı LAB#
NW-1	10/11/95	10/13/95	10/17/95	10/19/95	BJ171.2	01
MW-2	10/11/95	10/13/95	10/17/95	10/19/95	BJ171.23	L 02
MW-3	10/11/95	10/13/95	10/17/95	10/19/95	BJ171.2	1 03
QC Samples						
QC Batch # QC Sample ID		Ty	peRef.	Matrix	Extract.	Analyzed
BJ171.21-01 Method Blank		МВ		Water	10/17/95	10/18/95
BJ171.21-02 Laboratory Spike		LS		Water	10/17/95	
BJ171.21-03 Laboratory Spike Duplic	cate	LS	D	Water	10/17/95	10/18/95

Page 1 of 4



H2OGEOL A GROUNDWATER CONSULTANCY

Attn: GARY D. LOWE

Project 1628

Reported on October 23, 1995

Total Petroleum Hydrocarbons as Diesel by EPA SW-846 Method 8015M

Diesel Range quantitated as all compounds from C10-C25

LAB ID	Sample I	D		Matrix	Dil.Factor	Moisture
20292-01	MW-1			Water	1.0	
20292-02	MW-2			Water	1.0	_
20292-03	MW - 3			Water	1.0	-
		RESULTS	O F	ANALYSIS		

Compound	20292-01 Conc. RL ug/L	20292-02 Conc. RL ug/L	20292-03 Conc. RL ug/L
Diesel:	1800** 50	ND 50	120 50

>> Surrogate Recoveries (%) <<
Tetracosane 123 117 89



Total Petroleum Hydrocarbons as Diesel by EPA SW-846 Method 8015M Diesel Range quantitated as all compounds from C1D-C25

Quality Assurance and Control Data

Laboratory Number: 20292 Method Blank(s)

BJ171.21-01 Conc. RL ug/L

Diesel: ND 5

>> Surrogate Recoveries (%) <<
Tetracosane 6



Total Petroleum Hydrocarbons as Diesel by EPA SW-846 Method 8015M Diesel Range quantitated as all compounds from Cl0-C25

Quality Assurance and Control Data

Laboratory Number: 20292

Compound Sample SPK Level SPK Result Recovery Limits RPD conc.

For Water Matrix (ug/L) 8J171.21 02 / 03 - Laboratory Control Spikes

Diesel: 1000 890/940 89/47 50-150 62

>> Surrogate Recoveries (%) << Tetracosane

98/97 50-150

** - Hydrocarbons were found in the range of diesel, but do not resemble a diesel fingerprint.

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Page 4 of 4

20 292

			<u> </u>	<u>U 2</u>	72											
DALED LEDOUND - ANNUE TO LE									С	HAI	N O	FC	บรา	OD	Υ	
B_2 oceol is groundy $_{1TER}$ constating									ATE:		3/95	P	AGE.	ì	of .	1
P O. BOX 2165 LIVERMORE, CALIFORNIA 94551-2165							Sample Source Ratto-Larkin Property									٠.
LIVERMORE, CALIFORNIA 94001-2100						1628 Webster Street									-	
SAMPLERISI: Gary D. Lowe & Richard C. Vorst								Alar	neda,	ĊA						
SAMPLER'S SIGNATURE: Same V										ANA	LYTE				···-	4
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