SEP 0 7 2001

LETTER OF TRANSMITTAL

TO: Susan Hugo

Alameda County Health Agency

Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor

Alameda, California 94502

DATE:

5 September 2001

PROJ. NO. 990016.04

PROJECT: Simeon

64th Street Properties

Emeryville, California

WE ARE SENDING YOU THE FOLLOWING:

One Copy of the Quarterly Groundwater Monitoring Report for July to September 2001 for the 64th Street Properties located in Emeryville, California.

Please call Derby Davidson or myself at 650-292-9100 if you have any questions or need additional information.

Very truly yours,

ERLER & KALINOWSKI, INC.

Christopher Kubacki

If enclosures are not as noted, please advise us at once.

SEP 0 7 2001

Quarterly Groundwater Monitoring Report July to September 2001

64th Street Properties Emeryville, California

Prepared for:

Simeon Commercial Properties San Francisco, California

Prepared by:

Erler & Kalinowski, Inc. (EKI 990016.04)

5 September 2001

Erler & Kalinowski, Inc.

Consulting Engineers and Scientists 1870 Ogden Drive Burlingame, California 94010 (650) 292-9100 Fax: (650) 552-9012



Consulting Engineers and Scientists

1870 Ogden Drive Burlingame, CA 94010 (650) 292-9100 Fax: (650) 552-9012

5 September 2001

Ravi Arulanantham, Ph.D. California Regional Water Quality Control Board San Francisco Bay Region 1515 Clay Street, Suite 1400 Oakland, California 94612

Susan Hugo Alameda County Health Agency Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502

Subject:

Quarterly Groundwater Monitoring Report

July to September 2001

64th Street Properties, Emeryville, California

(EKI 990016.04)

Dear Dr. Arulanantham and Ms. Hugo:

On behalf of Simeon Commercial Properties, Erler & Kalinowski, Inc., is pleased to present this report summarizing results of quarterly groundwater monitoring activities conducted at the 64th Street Properties located at 1480 64th Street, Emeryville, California from July to September 2001. If you have any questions, please call.

Very truly yours,

ERLER & KALINOWSKI, INC.

Christopher D. Kubacki

Staff Engineer

Derby Davidson, P.E.

Project Engineer

cc: Pierson Forbes, Simeon Commercial Properties

Maurice Kaufman, City of Emeryville



Quarterly Groundwater Monitoring Report July to September 2001 64th Street Properties Emeryville, California

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Quarterly Groundwater Monitoring Report July to September 2001 64th Street Properties Emeryville, California

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August 2001



1.0 INTRODUCTION

On behalf of Simeon Commercial Properties ("Simeon"), Erler & Kalinowski, Inc. ("EKI") is pleased to present this report summarizing the results of quarterly groundwater monitoring activities conducted at the 64th Street Properties located at 1480 64th Street in Emeryville, California ("Site") from July to September 2001. The location of the Site is shown on Figure 1.

Groundwater monitoring at the Site for this quarter was conducted in August 2001 and in accordance with the *Final Risk Management Plan for the 64th Street Properties*, dated 30 August 1999 ("RMP"). The RMP was approved by the California Regional Water Quality Control Board, San Francisco Bay Region ("RWQCB"), and the Alameda County Department of Environmental Health ("ACDEH") in a letter dated 15 October 1999. The RMP requires installing four monitoring wells on the Site (i.e., SMW-1, SMW-2, SMW-3, and SMW-4), measuring water levels quarterly in these four monitoring wells, collecting groundwater samples quarterly from these wells, and analyzing the groundwater samples for total extractable petroleum hydrocarbons as diesel ("TEPH") quarterly and volatile organic compounds ("VOCs") annually. The approximate locations of these wells are shown on Figure 2. Data from these monitoring events are reported quarterly to the RWQCB and the ACDEH.

The objectives of the groundwater monitoring program are to monitor TEPH and VOC concentrations in groundwater at the perimeter and downgradient of the Site and verify the stability or decline of TEPH concentrations over time. During the July to September 2001 groundwater monitoring event, groundwater samples collected from the four monitoring wells were analyzed for TEPH. Groundwater samples were not analyzed for VOCs, as the RMP requires annual VOC analysis, which was performed in February 2001.

2.0 GROUNDWATER MONITORING

Quarterly monitoring at the Site includes measuring groundwater levels and collecting groundwater samples from Site monitoring wells SMW-1 through SMW-4 (Figure 2). EKI conducted monitoring activities at the Site on 7 August 2001.

2.1 Water Level Monitoring

Prior to sampling, EKI measured water levels in each well using a pre-cleaned electronic sounding tape. Water level data obtained by EKI was used to assess the magnitude and direction of the hydraulic gradient in the shallow water-bearing zone at the Site (see Section 3.1 below). Historic measured water level data and water level data collected in August 2001 are summarized in Table 1.



2.2 Groundwater Sampling and Laboratory Analyses

Prior to sampling, groundwater was purged until at least three of four parameters (temperature, specific conductance, pH, and turbidity) stabilized. Approximately three well-casing volumes of groundwater were removed from each well. Groundwater samples were collected from wells SMW-1, SMW-2, SMW-3, and SMW-4. Copies of groundwater purge sample forms are included in Appendix A.

Groundwater samples from the wells were collected using PVC bailers suspended by nylon string. Separate disposable PVC bailers were used at each well. Well SMW-4, which contains a thin layer of floating product (i.e., less than 0.03 feet), was sampled through a stilling tube.

Rinsate from equipment cleaning and purged groundwater from the wells were contained and stored on-Site in 55-gallon drums. Simeon will dispose of the rinse water and purged groundwater in accordance with applicable laws and regulations.

Groundwater samples were labeled, logged on a chain-of-custody document, and packed on ice in a chilled ice chest for transport to the laboratory. Samples were analyzed by Curtis & Tompkins, Ltd., for TEPH with silica gel cleanup using EPA Method 8015M. Analytical results for the 7 August 2001 monitoring event are summarized in Table 2 and are shown on Figure 3. Copies of laboratory reports from these groundwater analyses are included in Appendix B. Groundwater analytical results are discussed in Section 3.2 below.

3.0 EVALUATION OF HYDRAULIC GRADIENT AND GROUNDWATER SAMPLING RESULTS

This section summarizes (a) hydraulic groundwater gradient information obtained at the Site on 7 August 2001, (b) groundwater analytical results from on-Site groundwater monitoring conducted on 7 August 2001, and (c) quality control results.

3.1 Hydraulic Gradient

The groundwater potentiometric surface contour map for the Site shallow water-bearing zone shown on Figure 2 is based on water levels measured in wells SMW-1, SMW-2, SMW-3, and SMW-4 on 7 August 2001. As shown on Figure 2, the direction of the hydraulic gradient in the shallow water-bearing zone is westerly across the southwestern portion of the Site. The estimated magnitude of the hydraulic gradient across the Site is 0.009 for August 2001.

3.2 Groundwater Analytical Results

Current and historic TEPH data detected in groundwater samples collected from wells SMW-1, SMW-2, SMW-3, and SMW-4 are summarized in Table 2 and on Figure 3. Data presented on Figure 3 also include analytical results of grab groundwater samples



collected in 1995 and 1999, as presented in *Phase I and Phase II Environmental Site Assessment for 64th Street Properties*, dated 20 May 1999 ("ESA").

In August 2001, individual TEPH concentrations were not detected above 50 micrograms per liter ("ug/L") in groundwater samples collected from downgradient monitoring wells SMW-1 and SMW-2. TEPH was detected at 140 ug/L in the groundwater sample collected from downgradient monitoring well SMW-3, and at 280 ug/L in the groundwater sample collected from monitoring well SMW-4 in May 2001. As indicated above, the groundwater sample from monitoring well SMW-4 was collected through a stilling tube because of the presence of a thin layer of floating product. The measured TEPH concentrations should represent levels dissolved in groundwater on the southern property boundary.

As shown on Figure 3, TEPH data from August 2001 are generally consistent with or have decreased in comparison to prior Site data. Significant off-site migration of TEPH from the former refinery does not appear to have occurred.

3.3 Quality Control Results

All QA/QC analytical results, including matrix spike/matrix spike duplicates, laboratory blanks, and surrogates, were within (a) generally accepted laboratory QA/QC protocols and (b) requirements of the laboratory's internal quality control procedures. The data collected during the August 2001 monitoring event are considered acceptable and useable for their intended use.

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA

64th Street Properties, Emeryville, California

Well Number	Date	Well Elevation (1) (Feet Above MSL)	Depth to Water (Feet)	Groundwater Elevation (Feet Above MSL)
SMW-1	02/01/01	12.21	5.68	6.53
	05/24/01	12.21	5.67	6.54
	08/07/01	12.21	5.92	6.29
SMW-2	02/01/01	11.54	4.67	6.87
	05/24/01	11.54	4.92	6.62
	08/07/01	11.54	5.35	6.19
SMW-3	02/01/01	12.31	5.60	6.71
	05/24/01	12.31	5.63	6.68
	08/07/01	12.31	6.10	6.21
SMW-4	02/01/01	12.25	2.41 (2)	9.84 (2)
	05/24/01	12.25	2.43 (2)	9.82 (2)
	08/07/01	12.25	2.20 (2)	10.05 (2)

Notes:

- (1) Surveyed elevation from mark on the top of the PVC casing; feet above mean sea level.
- (2) A thin layer of floating product was observed in this well. The floating product thickness was less than 0.03 feet.

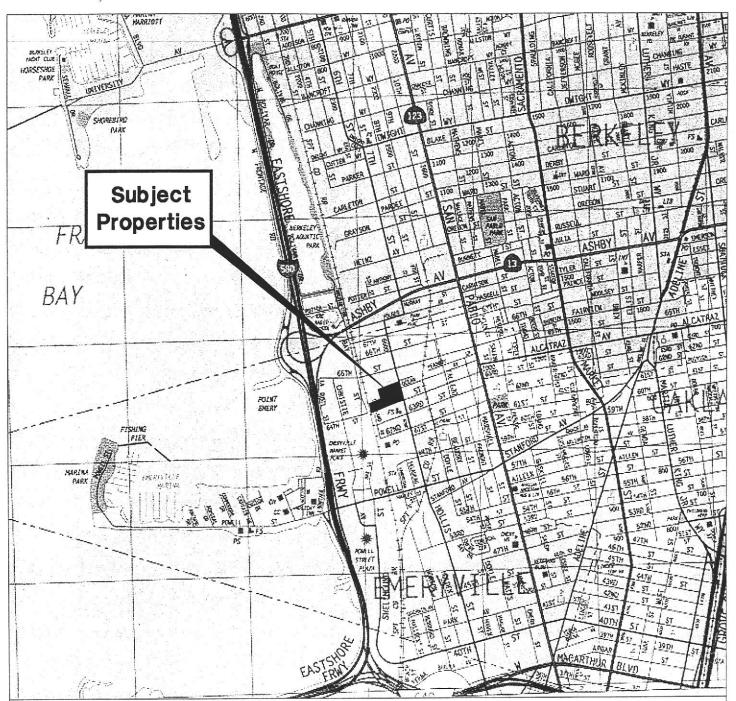
TABLE 2 SUMMARY OF GROUNDWATER CHEMICAL ANALYTICAL DATA

64th Street Properties, Emeryville, California

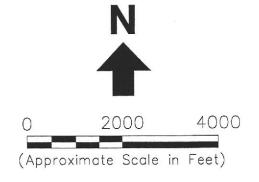
Well Number	Feb-01 (1) TEPH (4) (ug/L) (5)	May-01 (2) TEPH (ug/L)	Aug-01 (3) TEPH (ug/L)
SMW-1	<50 (6)	<50	<50
SMW-2	<50	<50	<50
SMW-3	140	74	140
SMW-4	360	300	280

Notes and abbreviations:

- (1) Samples collected during the February 2001 groundwater monitoring event.
- (2) Samples collected during the May 2001 groundwater monitoring event.
- (3) Samples collected during the August 2001 groundwater monitoring event.
- (4) TEPH = total extractable hydrocarbons (quantified as diesel). Samples were analyzed after performance of a silica gel cleanup in the laboratory.
- (5) ug/L = micrograms per liter (ppb)
- (6) <50 = not detected at laboratory detection limit of 50 ug/L



Basemap Source: Thomas Guide Maps.



Notes:

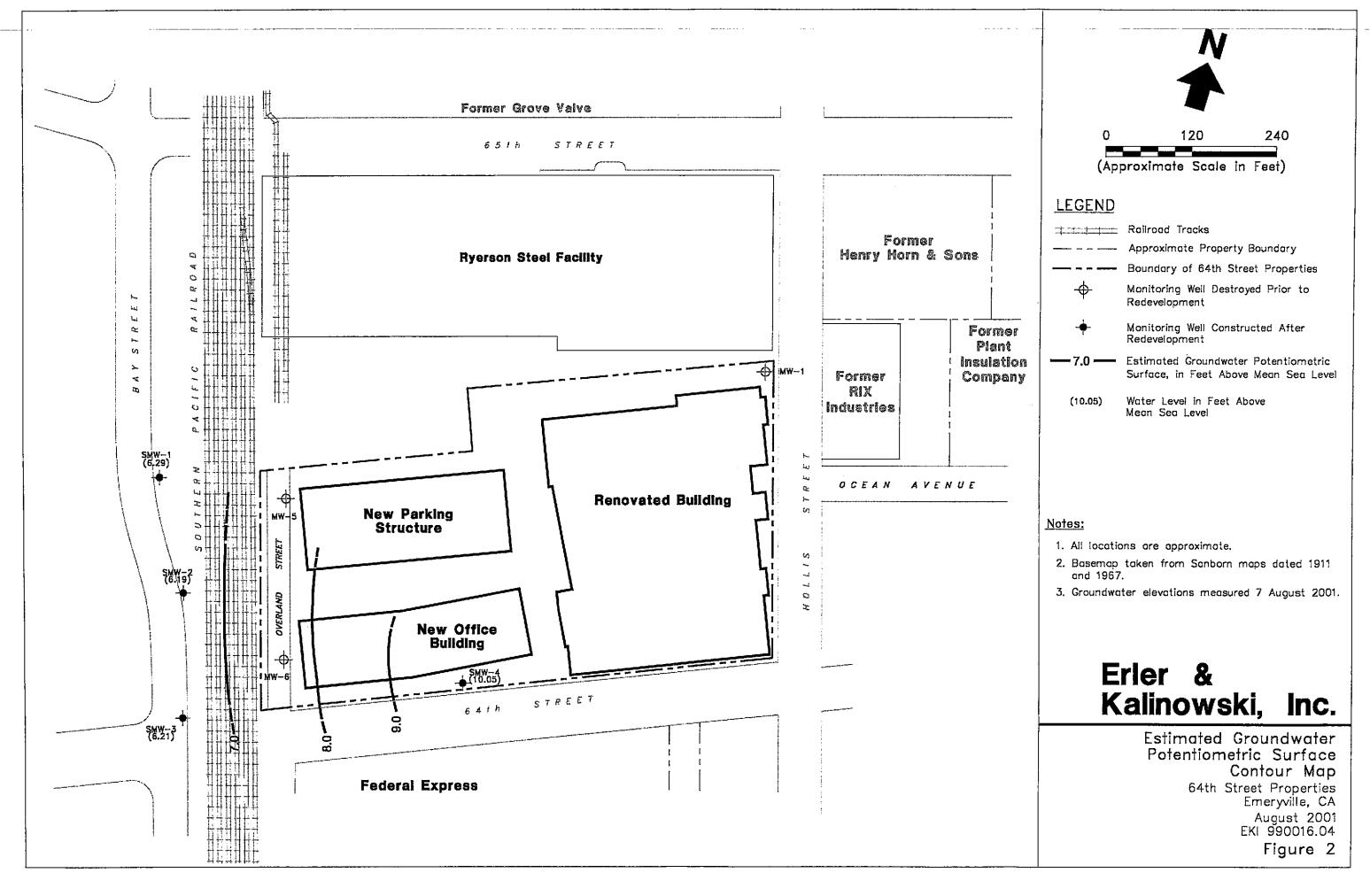
1. All locations are approximate.

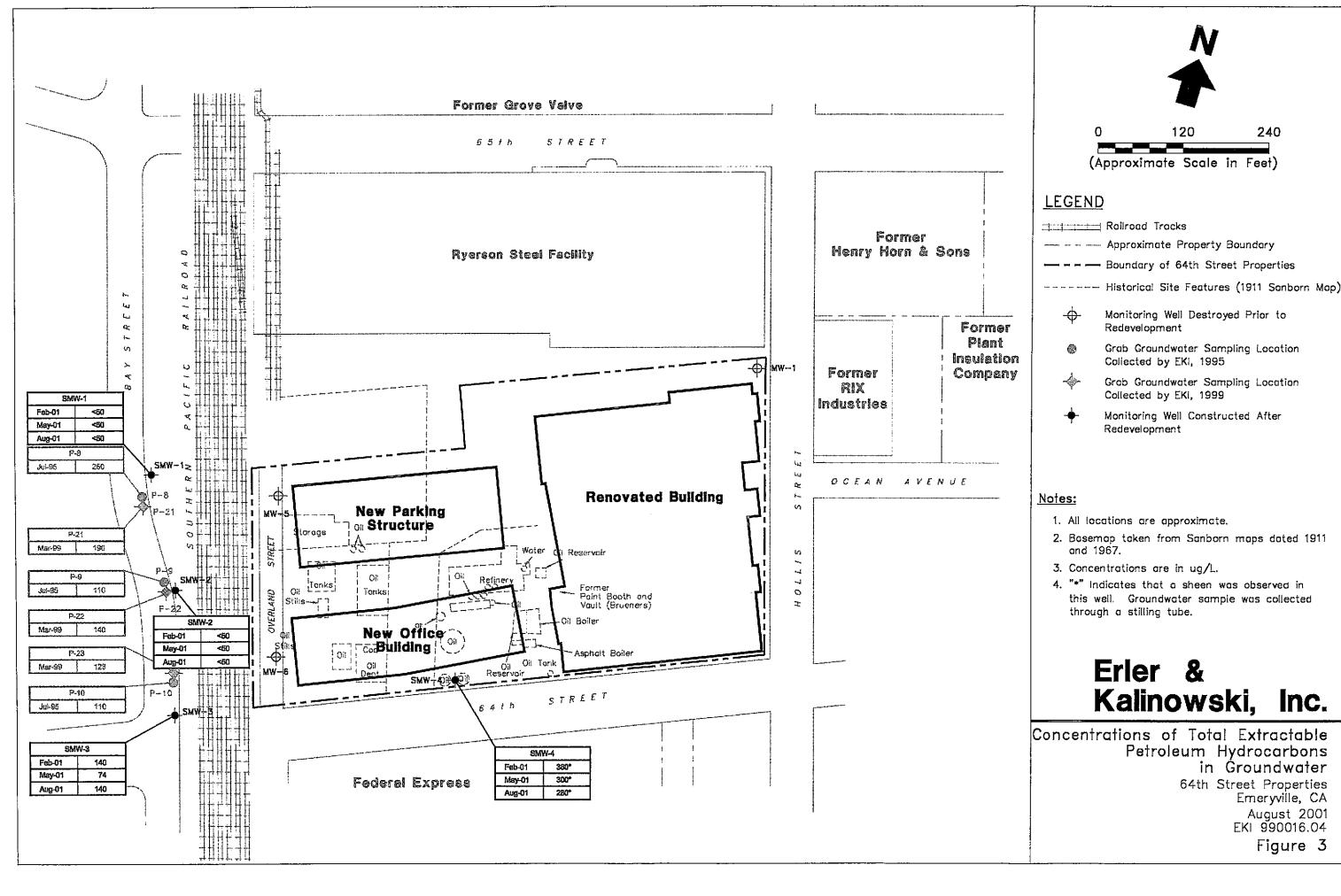
Erler & Kalinowski, Inc.

Site Location

64th Street Properties Emeryville, CA August 2001 EKI 990016.04

Figure





240

Emeryville, CA August 2001 EKI 990016.04 Figure 3



APPENDIX A

Groundwater Purge Sample Forms for August 2001

PROJECT NAME: Sime	ion . En	remolli				DATE: {	8/7/0	÷
PROJECT NUMBER: 9901	016.04	WELL	: Smh	/-/	PERSON	ا INEL: کیے	Lack	
WELL VOLUME CALCULA				* *				
Depth of Depth t	:D			Water		Multiplier		Casing Vol
Well (ft.) Water (Column ([t.)	(below)		(gallons
15 - 5.9	2		· =	908	*	0.64	=	5.81
Mult. for casing dlam. = 2-inch=0.16; 4-in	- - -			, . J		<i>Cr. Gr.</i>	_	
					INS	TRUMENT C	ALIBRATIO	N
PURGE METHOD:							Field	
Submersible pump X		.ler	_			<u>ument</u> fuctivity,	measure	measure
Peristaltic pump		ther _				llimhes/cm ? 2	5C)	
PURGE DEPTH:					рН			7.00
	END ED	9	2.1		pΗ			10.00
START TIME: 9:00	END IIV	ΛΕ: <u></u>	24		Turb	dity, NTU	- 2	
					Tem	perature		
TOTAL GALLONS PURGE	D:			<u> </u>	,	h Probe#		<u>,</u>
SAMPLES: Field I.D.		Ī	ime Collected	<u> </u>		Containers &	Preservation	
orm=00 @ 9:01	\	50	SE C	00				
OVM - 8.0 69:15	i.	9-	-					
SAMPLE METHOD: Bailer	\times 0	ther		•				
COMMENTS: Kust colo	red wat	ton con	King For	o of well	reid	inell Sox .	When ep	Cutel
Bailed wa	te - 7	LAmer	10 mg 12 mg	·		,	· · · · · · · · · · · · · · · · · · ·	,
Time	l _							
	4:04	9:08	7:14	9:20	924			
Volume Purged			100					
(gallons)	2	(z)	10	14	18			
Temperature	211							
(degrees C)	27.1	21	20.9	208	20.8			
pН	12.	سر دس و	.		4		į	
	6.64	6.75	6.72	6-73	6.73			
Specific Conductivity	100	/ :7		. ~~	, ~		-	
@ 25 C (millimhos/cm)	1.39	1.53	1.52	1.53	1.53			
Turbidity (ทรบ)	cloud	deces	Milky	milty	will?		ļ	
/Appearance	19.6	51.Z	-3	1~				
Depth to Water	167	# 10	120	01 11 11	000			
	6.97	0.12	8.80	8.85	892			
Number of Casing	m 2//	1 / 2 2	1 72	211	3 12			
Volumes removed	0.34	1.03	1.72	241	3,0	 		<u></u>
Purge Rate								
(gallons/minute)		_			<u> </u>	<u> </u>		

PROJECT NAME: Since	un - Em	E-4ville		<u></u>		DATE:	8/7/8	7
PROJECT NUMBER: 990	016-04	WELL I	NUMBEF	R: SMW	.2	PERSO	DNNEL:	interch
WELL VOLUME CALCUL								
Depth of Depth (to			Water		Multipli	er	Casing Vol.
Well (ft.) Water	(±t.)			Column (ft.)	(below)		(gallons)
15 - 5.35	- 1		=	265	;	0.64	=	6-16
Mult. for casing diam. = 2-inch=0.16; 4-			·				······································	
PURGE METHOD: Submersible pump X Peristaltic pump PURGE DEPTH: START TIME: 10:10 TOTAL GALLONS PURGE SAMPLES: Field LD. OVING 10:06 = 0-0 OVING 10:06 = 0-0 SAMPLE METHOD: Bailer	END TIMED:	ME:	のことが ime Collected	<u>i</u>	insi Cor (m pH pH Turi Ten Dep	oidity, NTU sperature th Probe#	Fi <u>m</u> easi	eld Standard ure measure
COMMENTS:								
Time	10:15	17:28	10:23	10.26	10:28			
Volume Purged			,	}	1			
(galions)	4	8	12	16	18			
Temperature	Į.							
(degrees C)	21.0	209	20.8	20.7	20.7			
рH	6.70	6.45	6.42	645	6.46			
Specific Conductivity								
@ 25 C (millimhos/cm)	0.96	0.99	1.00	0.99	0.99			
Turbidity (ทรบ)	Stightly cloud,	slights	6600	clear.	Clar			
/Appearance	1	clanden	slighter	6/2 LA	563.64			
Depth to Water			1	7	1			
during purge (feet)	6.17	1.49	6.52	7.02	6.54		<u>L</u>	
Number of Casing								
Volumes removed	0.65	1.30	1.95	2 40	2.92			
Purge Rate								
(gallons/minute)		!	1			1	ſ	

PROJECT NAME: 5,00	recor - E	memor	the	•			DAIE: 3	7/7/0	/
PROJECT NUMBER: 99	0016.0	Y WELL	NUMBE	R: Smh	1-3		PERSON	NEL:	in house kin
WELL VOLUME CALCUL									
Depth of Depth	to			Water	•		Multiplier		Casing Vol
Well (ft.) Water							(below)		(gallons
15 - 6.	/ A		=	89	ج	*	0.64	=	670
Mult. for casing diam. = 2-inch=0.16; 4-									3 · / (:
						INST	RUMENT C	ALIBRAT	TION
PURGE METHOD:	5.								eld Standan
Submersible pump X Peristaltic pump	53	Otber 				<u>Instrui</u> Condu	<u>mant</u> uctivity,	measi	irs measure
Total Death	•	_		-			Limhos/cm @ 2:	5C)	
PURGE DEPTH:					·	рH		≥ 574	1
CTADT TIME. # -	END TO	Nam. 12				ρH	-	0,0	w
START TIME: 11-20	- FMD III	WE:	- 7 l			Turbidi	ity, NTU		
		•				Tempe	rature		
TOTAL GALLONS PURGE	ED:					,	Probe#		
SAMPLES: Field I.D.			ime Callecte	<u>ď</u>			Containers &	Preservatio	<u>n</u>
0 m= 00 e/	1:20	_	ست	<i>a.</i>					
·		5.	EE	COC					
SAMPLE METHOD: Bailer	\leq	other							
COMMENTS:									
Time									
	11:22	11:26	16:30	11:34	11:5	10			
Volume Purged	11	· ·				Ì	İ		
(galions)	4	8	/0_	12	16			· · · · · · · · · · · · · · · · · · ·	
Temperature	222						}		
(degrees C)	23.2	22	21.8	21.6	21.0	9			
pН	سديم ال					_			
	6.85	6.67	6.69	6.65	6.6.	5			
Specific Conductivity	1 -	ر ا	_	,					
@ 25 C (millimhos/cm)	1.30	1.46	1.30	1.29 cher	1.2	9			
Turbidity (พรบ)	Clear 1 -	Clear	clear	cher	Clas	2,0			
/Appearance	5/15/15								
Depth to Water	()	40:							
during purge (feet)	8.2	9.63	1075	11/0	11.7	0			
Number of Casing									
Volumes removed	0.70	1.40	1.75	2.11	2.8	/			
Purge Rate									
(gallons/minute)									

PROJECT NAME: Sime		DATE:	8/7/01					
PROJECT NUMBER: 99	-4	PERSO	DNNEL:	abacki.				
WELL VOLUME CALCUL	ATION:							
Depth of Depth 1	:0			Water		Multipli	er	Casing Vol
Well (ft.) Water				Column (ft.)	(below)		(gallons)
15 . 2.20	1	-	=	12.8		* 0.64	· =	8.19
Mult. for casing diam. = 2-Inch=0.16; 4-i								
					IN	ISTRUMENT	CALIBRAT	ION
PURGE METHOD:							Fie	ld Standard
Submersible pump		ller	-			strument	<u>measur</u>	<u>s</u> <u>wessnia</u>
Peristaltic pump 🗶	Ĺ	Other _		-	į	nductivity, millimbos/cm 6	7571	
PURGE DEPTH:					На			
		45-			pН		_ Smv_	(
START TIME: /3:00	END III	VI⊏:			Tu	rbidity, NTU		
					Tei	mperature		
TOTAL GALLONS PURGE	ED:				De	oth Probe#		
SAMPLES: Field I.D.		Ī	ime Collecter	1		Containers	& Preservatio	1
Orm= 0.0013:0	3		SEE CO	V .				
)					
SAMPLE METHOD: Bailer	2 کے	ther		^				
SAMPLE METHOD: Bailer COMMENTS:	in ot	projection	7 40	9.03 ff				
Simples with	Lanter	Mirans	1. N	<u> </u>	in 154	the trala)		
Time		Į.		1		· I		
	13.20	13:32	13:40	13:55	14:10	14:25		
Volume Purged		1	Į.			i		
(gallons)	2.5	4	8	12	16	20		
Temperature	011							
(degrees C)	21.1	20.9	21.5	21.3	21.1	21.2		
pН								
	6.48	6.54	6.62	6.52	6.51	6.52		
Specific Conductivity	1							
@ 25 C (millimhos/cm)	1.16	1.16	1.17	1.17	1.18	1.18		
Turbidity (NTU)	Slighth Cloudy	5634+15	Flighth	Chian-	Char	change ;		
/Appearance	~ /	change	dong	ching	6.60 mg	Cho A		
Depth to Water						7		
during purge (feet)	2.45	2.48	2.54	2.58	2.58	7.65		
Number of Casing	, a c			,				
Volumes removed	0-31	6.49	095	1.47	1.95	244		
Purge Rate								
(gallons/minute)								



APPENDIX B

Laboratory Analytical Reports and Chain of Custody Documents for August 2001



Curtis & Tompkins, Ltd., Analytical Laboratories, Sin

2323 Fifth Street, Berkeley, CA 9471O, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Erler & Kalinowski, Inc. 1870 Ogden Drive Burlingame, CA 94010-5306

Date: 30-AUG-01 Lab Job Number: 153461 Project ID: 990016.04

Location: Simeon. 64th street prop.

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:

Project Mahagei

Reviewed by:

Operations Manager

This package may be reproduced only in its entirety.

CA ELAP # 1459

Page 1 of $\frac{7}{7}$

153461

Erler & Kalinowski, Inc.

CHAIN OF CUSTODY RECORD

CONSULTING ENGINEERS AND SCIENTISTS					1870 Ogden Drive, Burlingame, California 94010 PHONE: (650) 292-)) 292-9	9100 FAX: (650) 552-9012					
Project Name	Emery	ville	Project No.	99001	16.04 3 ANALYSES REQUESTED						EKI COC No.						
Project Location 64th Street Properties Laboratory Emergrille, CA Cartis &			Tompkins	1 TPH-				٠									
Report Results to: Derby Dav.		Sampled By	: Chni	s Kub	act.	Forsm Tice G									TED		
Field Sample Identification	Lab Sample No.	Date	Time	Type of Sample	No. of Containers / Preservative	EPA EVIS									REQUESTED TURNAROUND		Remarks
SMW-1		8/7/01	9.34	Printer 11	2 Amber	X						ļ			Sterne	eizel	10.da, 70T
SMW-2		*,	10.35 11.46	"	''	X				 -			<u> </u>		ļ <u> </u>		
SMW-3 SMW-4		/,	14 28	* r	1,	X								<u> </u>	<u> </u>		
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						+		 									
Special Instructions:	101/42	Ed arth in the me	do ait	Cara	1: [7	011	ed : se			GZ	<u> </u>						
	EXT	8015	m? w	17 21m	les for TI	,, -		LE- (W	D) {	Cin	Oz I	C. 7	C'An e	1		
Relinquished by: (Signature)	Relinquished by: (Signature)					Time		Receiv	ed by	Signa	ture)			1 .			
Relinquished by: (Signature)	WE NO				8/7/3i Date	/S·/		Receive	<u> </u>	Signer			<u>8</u>	17/	0)	12.1	5
Relinquished by: (Signature)	·····				Date	 		Received by: (Signature)									
					Vato	Time		Received by: (Signature)									



	Total Extrac	table Hydrocar	bons
Lab #:	153461	Location:	Simeon. 64th street prop.
Client:	Erler & Kalinowski, Inc.	Prep:	EPA 3520C
Project#:	990016.04	Analysis:	8015B(M)
Matrix:	Water	Sampled:	08/07/01
Units:	ug/L	Received:	08/07/01
Diln Fac:	1.000	Prepared:	08/17/01
Batch#:	65799	Analyzed:	08/20/01

Field ID:

SMW-1

Lab ID:

153461-001

Type:

SAMPLE

Cleanup Method: EPA 3630C

Analyte Diesel Cl0-C24

Result ND

50

Surrogate %REC Limits Hexacosane 44-121

Field ID:

SMW-2 SAMPLE Type:

Lab ID:

153461-002 Cleanup Method: EPA 3630C

Result

<u> Analyte</u> Diesel C10-C24

ND

50

Surrogate %REC Limits Hexacosane 61 44-121

Field ID:

Lab ID:

153461-003

Type:

SMW-3 SAMPLE

Cleanup Method: EPA 3630C

Diesel C10-C24

Result

140 Y

Ric 50

Surrogate Hexacosane

%REC Limits 44-121

Field ID:

SMW-4

Lab ID:

153461-004

SAMPLE Type:

Cleanup Method: EPA 3630C

Analyte

Hexacosane

Diesel C10-C24

280 Y

Result RL 50

62

Surrogate

%RBC Limits

56 44-121

BLANK

Type: Lab ID:

QC153655

Cleanup Method: EPA 3630C

Analyte Diesel C10-C24

RL.

50

ND %REC Limits Surrogate

Hexacosane

50

44-121

Result

Y= Sample exhibits fuel pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 1 of 1

Chromatogram

Sample Name : 153461-003sg,65799

FileName : G:\GC15\CHB\231B025.RAW

Method : BTEH211.MTH Start Time : 0.01 min End Time : 31.91 min

Plot Offset: 15 mV Scale Factor: 0.0

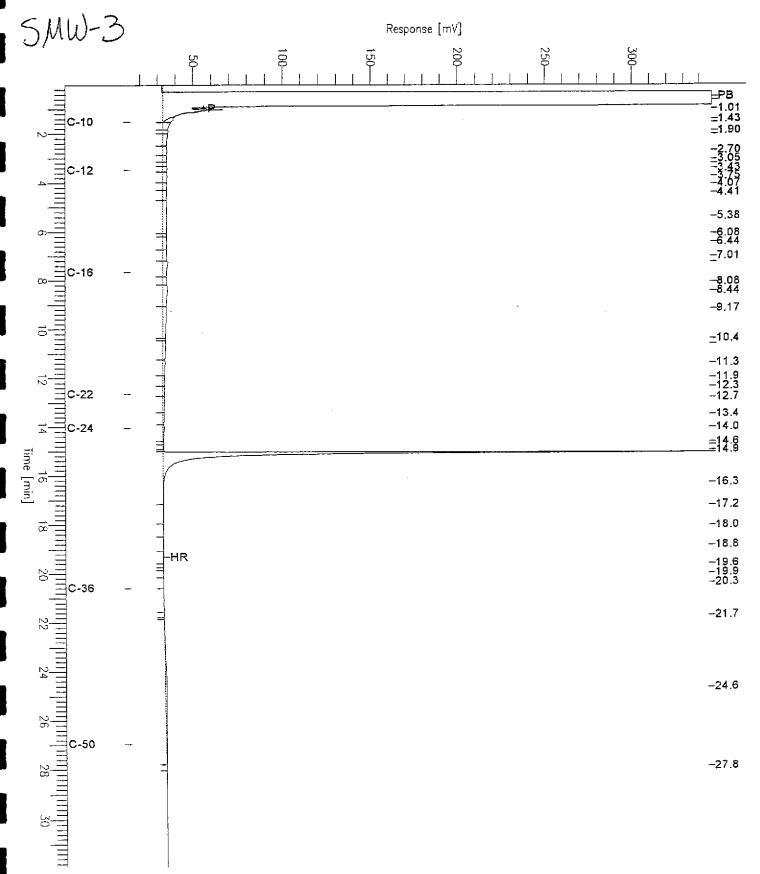
Sample #: 65799

Page 1 of 1 Date: 08/20/2001 11:11 AM

Time of Injection: 08/20/2001 08:07 AM

High Point : 347.26 mV Low Point : 14.68 mV

Plot Scale: 332.6 mV



Chromatogram

Sample Name: 153461-004sg, 65799

FileName : G:\GC15\CHB\231B026.RAW

Method : BTEH211.MTH Start Time : 0.01 min

Scale Factor: 0.0

End Time : 31.91 min

Plot Offset: 22 mV

Sample #: 65799

Date: 08/20/2001 11:11 AM

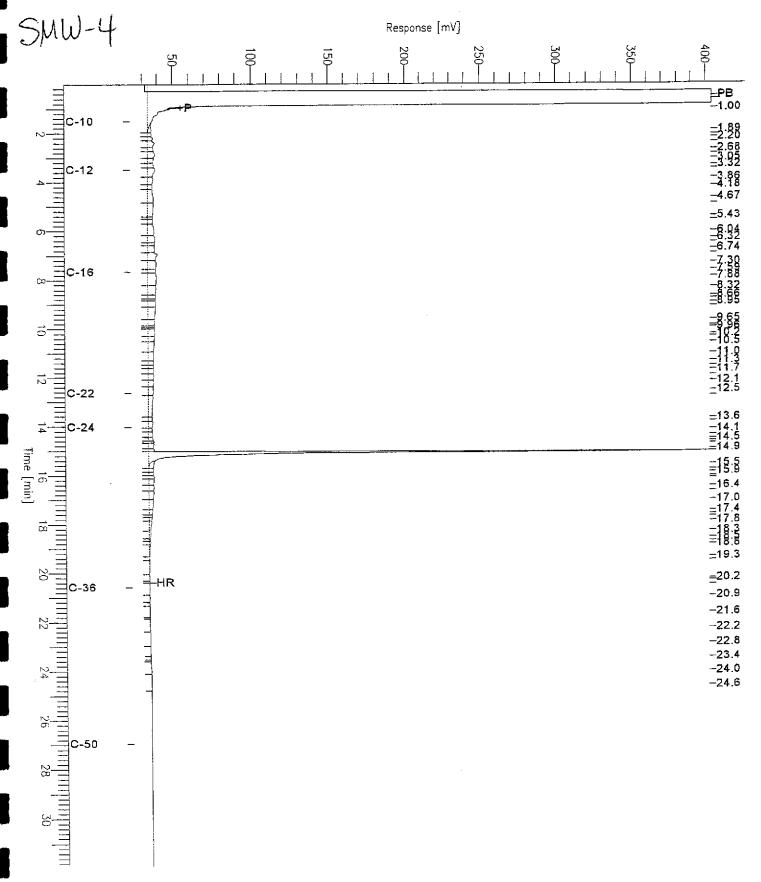
Time of Injection: 08/20/2001 08:48 AM Low Point : 22.05 mV

Plot Scale: 382.4 mV

High Point : 404.41 mV

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Chromatogram

ample Name : ccv, 01ws1631, ds1 ileName : G:\GC11\CHA\232A002.RAW ileName : ATEH212.MTH ethod tart Time : 0.01 min cale Factor: 0.0

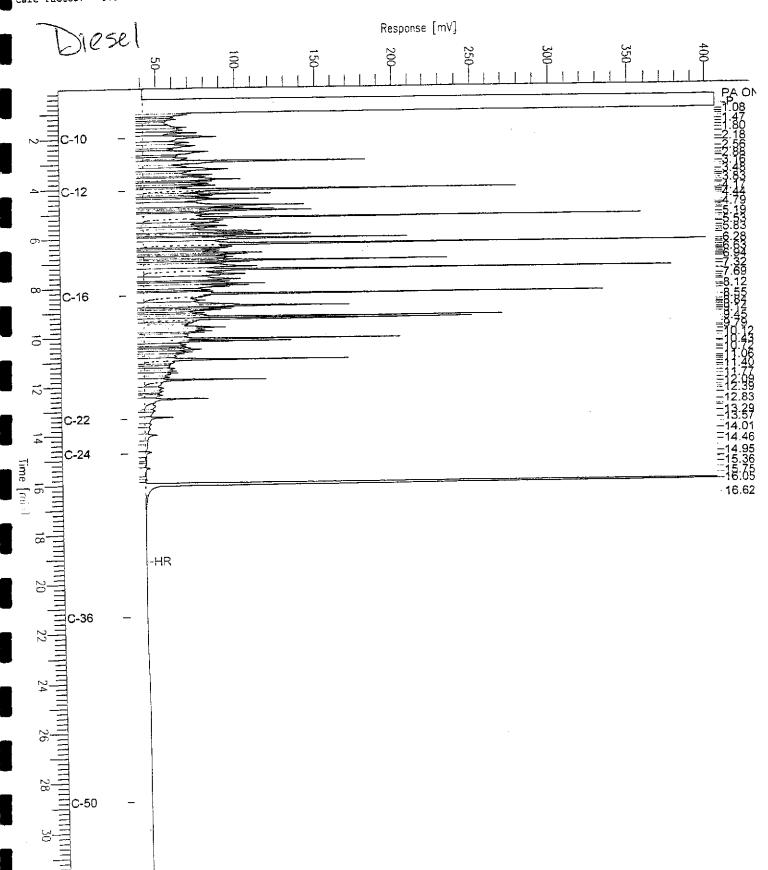
End Time : 31.91 min Plot Offset: 30 mV

Sample #: 500mg/L Date: 8/20/01 11:04 AM Time of Injection: 8/20/01 10:06 AM

Low Point : 30.40 mV Plot Scale: 375.8 mV

High Point : 406.22 mV

Page 1 of 1





Total Extractable Hydrocarbons Location: Simeon. 64th street prop. Lab #: EPA 3520C Client: Erler & Kalinowski, Inc. Prep: Project#: 990016.04 Analysis: 8015B(M) Matrix: Water Batch#: 65799 Units: ug/L Prepared: 08/17/01 Diln Fac: 1.000 Analyzed: 08/20/01

Type: Lab ID: BS

QC153656

Cleanup Method: EPA 3630C

Analyte	契約すせ合わ	Result	%REC	Limits
Diesel C10-C24	2.500	2.050	82	45-110

Surrogate		Limits		
Hexacosane	63	44-121		

Type: Lab ID: BSD

QC153657

Cleanup Method: EPA 3630C

22

Spiked Result %RBC Limits RFD Lim Analyte Diesel C10-C24 2,500 2,039 82 45-110

Surrogate	*REC	Limits	
Hexacosane	58	44-121	